FINAL REPORT

Site Characterization Report

Former United One-Hour Dry Cleaners
Rensselaer, New York

New York State Department of Environmental Conservation
Division of Environmental Remediation

March 2018

OBG

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Site Characterization Report

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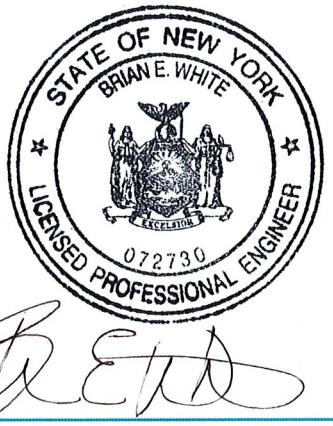
I Brian E. White certify that I am currently a NYS registered professional engineer and that this Report was prepared in accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved scope of work and any DER-approved modifications.



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Prepared for:

New York State Department of Environmental Conservation
Division of Environmental Remediation

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1. INTRODUCTION

The Site Characterization (SC) of the Former United One-Hour Dry Cleaners site (Site #442045, referred herein as "the Site") was conducted by O'Brien & Gere Engineers, Inc. (OBG) under contract with Parsons Engineering of NY. The SC was conducted between May 2017 and November 2017 for the New York State Department of Environmental Conservation (NYSDEC) under Engineering Services Standby Contract Work Assignment (WA) #D007623-29. The Former United One-Hour Dry Cleaners site is located at 170 Columbia Turnpike (US-20), Rensselaer, New York. A Site location map is included as **Figure 1**.

1.1 PREVIOUS INVESTIGATIONS

In 2015, a Phase I Environmental Site Assessment (ESA) and Phase II investigation were conducted for the property located to the west of the Site at 164 Columbia Turnpike. Based on information provided in the Phase I ESA, a dry cleaning business operated at the Site from at least 1970 to 1975 and may have operated prior to that date. The primary contaminants of concern (COCs) associated with potential historic dry cleaning operations include tetrachloroethene (PCE) and associated degradation products: trichloroethene (TCE), cis-1,2-dichloroethene (CDCE), and vinyl chloride (VC).

The Phase II investigation included collection of soil and groundwater samples near the western boundary of the Site. Results indicated the presence of chlorinated volatile organic compounds (VOCs) typically used in the dry cleaning process in both soil and groundwater. Specifically, PCE, TCE, and CDCE were identified in the soil. Concentrations of PCE and TCE (120 mg/kg and 10 mg/kg, respectively) detected in boring B-12 were greater than the soil clean-up objectives for unrestricted use. Additionally, a groundwater sample collected from this location contained these compounds at concentrations (PCE at 820 µg/l and TCE at 180 µg/l) greater than the groundwater standard (5 µg/l for both). Soil collected from another nearby boring, B-11, did not have detections of PCE or TCE.

During the initial site visit, OBG and NYSDEC identified three existing 1-inch monitoring wells (herein referred to as K-16, K-16-2, and K-25) on the adjacent property. No information about the installation, construction, or previous sampling of these monitoring wells was presented in the Phase I ESA or Phase II investigation. During the SC, an attempt was made to redevelop and assess the total depth of the existing wells, however, heavy siltation prevented confirmation of the total depths. The minimum total depths of existing wells K-16, K-16-2, and K-25, measured during the SC, were approximately 19 ft bgs, 19 ft bgs, and 30 ft bgs, respectively.

1.2 SITE ZONING AND CURRENT USE

The Site is zoned as a commercial property and is currently occupied by one structure that is partitioned into five establishments (including apartments on the second floor of the structure). The Site is approximately 0.66 acres in size and is bound by Columbia Turnpike to the north and commercial and residential properties to the east, south, and west (**Figure 2**).

1.3 PROJECT OBJECTIVES

The primary objective of this investigation was to evaluate whether chlorinated VOCs identified on the neighboring property were also present at the Site and if so, the potential migration pathways related to these constituents. Specifically, the COCs for the SC are PCE and its associated degradation products, TCE, CDCE, and VC. Characterization activities included the evaluation of soil, groundwater, and soil vapor on and in the vicinity of the Site.

2. SITE INVESTIGATION SUMMARY

A Schedule 1 Scope of Work (SOW) dated April 2017 (O'Brien & Gere, 2017) prepared in response to WA #D007623-29, described the objective and the specific SC activities to be completed. The sampling and analysis activities were conducted in accordance with the SOW and the previously-approved Field Activities Plan (FAP)

(Parsons and O'Brien & Gere, 2011a), Quality Assurance Project Plan (QAPP) (Parsons and O'Brien & Gere, 2011b), and the Health and Safety Plan (HASP) (Parsons and O'Brien & Gere, 2011c).

This section discusses the work activities and methodologies conducted as part of the SC. The SC was conducted in two phases between May and November 2017. The first phase of work activities, implemented in May 2017, included a utility mark out/GPR survey, soil borings, monitoring well installation, development, and soil vapor point installation. Samples of soil, groundwater and soil vapor were collected for analysis. Based on the analytical results collected during the first phase, the second phase was implemented in November 2017 and included additional soil borings and monitoring well installation, development, and sampling.

2.1 UTILITY MARK OUT AND GROUND PENETRATING RADAR SURVEY

To locate subsurface utilities and assess the potential presence of subsurface structures and/or anomalies at the Site a utility mark out and Ground Penetrating Radar (GPR) survey was performed on May 19, 2017 by Ground Penetrating Radar Systems, Inc. with oversight from an OBG geologist. The GPR survey did not identify any potential anomalies at the Site. The GPR survey summary is provided in **Appendix A**.

2.2 SOIL BORINGS

Six soil borings were advanced at the Site to assess the nature and extent of COCs in subsurface soils. Soil borings were advanced by Aztech Technologies, Inc. (Aztech) under the supervisor of an OBG geologist. The locations of the soil borings are presented on **Figure 3**.

The soil borings were advanced in accordance with Section 2.1.1 of the FAP. Soil samples were collected continuously with a Macro-Core® to refusal. Upon retrieval, each soil sample was described for: 1) percent recovery; 2) soil type; 3) color; 4) moisture content; 5) texture; 6) grain size and shape; 7) consistency; 8) evidence of staining or other chemically-related impacts; and 9) any other relevant observations. In addition, soils were screened with a photoionization detector (PID) to allow evaluation of the bulk volatile organic concentration of each soil sample. Soil boring logs are provided in **Appendix B**.

Based on visual, olfactory, and/or PID screening, 20 soil samples were collected and submitted to TestAmerica Laboratories, Inc. (TestAmerica) for VOC analysis using USEPA Method 8260. In addition, three soil samples were submitted for per- and polyfluoroalkyl substances (PFAS) analysis using modified USEPA Method 537.

2.3 MONITORING WELLS

2.3.1 Monitoring Well Installation

Four shallow overburden monitoring wells and two deeper overburden monitoring wells were installed to evaluate the nature and extent of COCs in groundwater at the Site. During the first phase of work, monitoring wells MW-1S, MW-1D, MW-2S, MW-2D, and MW-3S were installed between June 6 and 12, 2017. Although proposed, upgradient deep well, MW-3D was not installed due to shallower than expected refusal at its proposed location. Monitoring well MW-4S was installed on November 21, 2017 as part of the second phase of work. The shallow monitoring wells were installed within the clayey silt/silty clay and silt units (discussed in Section 3.1) to the proposed target depth of approximately 20 ft bgs. The deeper monitoring wells were installed within the silt and fine sand unit (discussed in Section 3.1) to approximately 30 ft bgs. The monitoring wells were installed by Aztech, under the supervisor of an OBG geologist. Monitoring well construction details are presented on **Table 1** and monitoring well locations are shown on **Figure 3**.

The monitoring wells were installed within 4.75-inch boreholes advanced using hollow stem auger drilling methods. The shallow monitoring wells were constructed of 10-feet of 2-inch diameter, 0.010-inch slotted Schedule 40 PVC well screen, flush-threaded to appropriate lengths of 2-inch diameter PVC riser casing necessary to bring the top of the well to grade. The deeper monitoring wells were constructed of 5-feet of 2-inch diameter, 0.010-inch slotted Schedule 40 PVC well screen, flush-threaded to appropriate lengths of 2-inch diameter PVC riser casing necessary to bring the top of the well to grade. Well construction logs are provided in **Appendix B**.

The well heads were completed with 4-inch diameter, bolt-down, water-tight, traffic-rated, flush-mount road boxes. The road boxes were set in concrete well pads, flush to the existing grade.

2.3.2 Monitoring Well Development

Monitoring wells MW-1S, MW-1D, MW-2S, MW-2D, and MW-3S were developed on June 15, 16, and 19, 2017. Monitoring well MW-4S was developed on November 28 and 29, 2017. Development was conducted using a bailer to remove the fine-grained material that may have settled within the well and improve hydraulic communication with the surrounding formation. Groundwater parameters were measured and recorded during development. Parameters included depth to water, turbidity, pH, temperature, and specific conductance. Total well depths were measured prior to and after development. Well development was conducted until the water discharge from the well was 50 nephelometric turbidity units (NTUs) or less, or until pH, temperature, and specific conductivity stabilized, or until a maximum of 10 borehole volumes of the water were removed. In addition, an attempt was made to redevelop the existing monitoring wells K-16, K-16-2, and K-25 to remove the silt within the wells. Development of these wells was conducted using a peristaltic pump.

Well development data was recorded on Well Development Logs which are provided in **Appendix C**.

2.3.3 Groundwater Sampling

Groundwater samples were collected from the monitoring well network. The first set of groundwater samples was collected from eight wells (Site wells MW-1S, MW-1D, MW-2S, MW-2D, and MW-3S and existing wells K-16, K-16-2, and K-25) between July 10 and July 12, 2017. Groundwater samples from the Site wells were submitted to TestAmerica for VOC analysis using USEPA Method 8260, 1,4-dioxane analysis using USEPA Method 8270D with Selective Ion Monitoring (SIM), and PFAS analysis using modified USEPA Method 537. In addition, groundwater samples from three of the Site wells were submitted for the suite of Target Compound List/Target Analyte List (TCL/TAL) constituents including: semi-volatile organic compounds (SVOCs), metals, cyanide, mercury, polychlorinated biphenyls (PCBs), pesticides, and herbicides. Groundwater samples from the existing wells on the adjacent property were submitted for VOC analysis only.

The second set of groundwater samples was collected from nine wells (Site wells MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, and MW-4S, and existing wells K-16, K-16-2, and K-25). Groundwater sample collection was performed from November 28 to 30, 2017. Groundwater samples were submitted to TestAmerica for VOC analysis.

During the first round, groundwater samples from Site wells were collected by low-flow purging and sampling methods as described in FAP Section 2.5, using submersible, PFAS-free bladder pump. Groundwater samples from the existing wells on the adjacent property were collected by conventional purging and sampling methods using peristaltic pump.

During the second round, groundwater samples were again collected by either low-flow (Site wells) or conventional (existing wells) purging and sampling methods, using a peristaltic pump. During purging, pH, specific conductivity, temperature, oxidation-reduction potential (redox), dissolved oxygen (DO), and turbidity were monitored and recorded using a water quality meter and flow-through cell. Groundwater samples were collected after equilibration of water quality parameters. The equilibration guidelines are as follows:

- Temperature ± 3% of measurement
- pH ± 0.1 pH units
- Specific conductance ± 3% of measurement
- Redox ±10 mV
- DO ±10% of measurement
- Turbidity ± 10% of measurement

Static depths to groundwater were measured and recorded prior to collection of each groundwater sample. The groundwater levels were converted to groundwater elevations. Groundwater elevations are summarized in **Table 2**. Groundwater sampling logs are provided in **Appendix D**.

2.4 SOIL VAPOR POINT INSTALLATION AND SAMPLING

To evaluate soil vapor quality at the Site, permanent soil vapor points SV-01, SV-02, SV-03, and SV-04 were installed at the locations shown on **Figure 3**. The soil vapor points were installed on June 12 and 13, 2017 by Aztech. The soil vapor points were installed within 2.25-inch boreholes advanced using direct push methods to an approximate depth of five feet below grade. The soil vapor points were constructed with a 6-inch long, stainless steel, braided screen implant probe attached to ¼-inch outside diameter Teflon® tubing. The annular space around the probe was filled with 60-100 mesh glass beads to approximately 2 feet above the implant probe. A granular bentonite seal was placed above the glass beads to surface grade to prevent ambient air infiltration. The soil vapor points were completed with a 4-inch diameter, bolt-down, water-tight, traffic-rated, flush-mount road boxes. The road boxes were set in concrete pads, flush to the existing grade.

After installation, water was present in each permanent soil vapor point, due to the presence of a shallow water table at the Site. The permanent soil vapor points were checked three times for water during the SC, and water was present each time. As a result, the permanent soil vapor points were unable to be sampled. Temporary soil vapor points were subsequently installed directly adjacent to SV-01, SV-02, SV-03, and SV-04 on August 23, 2017 by OBG utilizing a hammer drill. The temporary soil vapor points (also referenced as SV-01, SV-02, SV-03, and SV-04) were installed to an approximate depth of three feet below grade and constructed to the same specifications as the permanent soil vapor points. The annular space around the probe was filled with 60-100 mesh glass beads to approximately one foot above the implant probe and a granular bentonite seal was placed above the glass beads to surface grade to prevent ambient air infiltration. After sampling, the temporary soil vapor points were removed and the ground surface was returned to its original state.

Temporary soil vapor points SV-01 through SV-04 were sampled on August 23, 2017. Soil vapor samples were collected in 6-liter SUMMA® canisters setup for 2-hour integrated sample periods. Concurrent with the soil vapor samples, an ambient air sample was also collected. Prior to sample collection, helium tracer gas testing was conducted to assess the integrity of the surface seal associated with the sample tubing. This testing did not indicate integrity issues. Soil vapor sampling forms are provided in **Appendix E**.

Samples were submitted to TestAmerica for analysis of standard list VOCs by USEPA Method TO-15.

2.5 AIR MONITORING

Air quality was monitored during intrusive work activities to evaluate the potential for air transport of VOCs and dust particles during execution of ground-intrusive SC activities and to monitor the breathing zone air quality of workers in the immediate work zones.

2.5.1 Work Zone

Within the work zone, VOC vapor concentrations were monitored at the start, and during, subsurface investigation activities using a PID with a 10.6 eV lamp. The PID was calibrated per manufacturers' specifications using a 100-ppm isobutylene calibration gas.

2.5.2 Community Air Monitoring

Real-time air monitoring was also performed upwind and downwind of the immediate work zone during ground intrusive activities. A PID equipped with a 10.6 eV lamp was used to monitor total organic vapor concentrations while an aerosol monitor was used to monitor particulates. The monitors were housed in an enclosure equipped with audible and visual alarms. Community air monitoring data are provided in **Appendix F**.

2.6 DATA VALIDATION

Analytical laboratory data was received in electronic data deliverable (EDD) format. Data validation was performed by Vali-Data of Western New York, Inc. on samples collected during the SC. The data usability summary reports (DUSRs) are provided in **Appendix G**.

The data collected during the SC were qualified and usable with the exception of non-detected metals, which were qualified as unusable.

2.7 SURVEY

C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, D.P.C. was subcontracted to perform the survey of the soil borings, monitoring wells, and soil vapor points. Horizontal coordinates were surveyed in North American Datum of 1983 (NAD83) New York East State Plane feet. Elevations of the ground surface, rim of well cover, and top of well were surveyed to the nearest 0.01 ft for each well location using the North American Vertical Datum of 1988 (NAVD88).

2.8 INVESTIGATION-DERIVED WASTE MANAGEMENT

Investigation-derived waste (IDW), including PPE, drill cuttings, decontamination rinsates, well development water, and purge water were placed in DOT-approved 55-gallon drums and staged at the Site, as approved by the property owner.

Each type of IDW was placed in the appropriate container, properly labeled, and moved to the staging area prior to disposal. IDW was characterized before waste profiles were generated. Following the generation of waste profiles, IDW generated during the SC was transported by Veolia ES Technical Solutions, L.L.C. and disposed of off-Site as non-hazardous waste in accordance with applicable local, state and federal regulations. Completed waste manifests are included as **Appendix H**.

3. SITE GEOLOGY AND HYDROGEOLOGY

3.1 OVERBURDEN GEOLOGY

Subsurface soils were evaluated during the soil boring and monitoring well installations. The deepest borings on Site were advanced to refusal at approximately 40 feet below ground surface (ft bgs). The upper 2 to 4 ft of subsurface material at the site is fill consisting of brown, coarse to fine sand and gravel. The fill is underlain by lacustrine deposits of brown and gray interbedded clayey silt and silty clay to approximately 10 to 15 ft bgs and brown to gray silt to 25 ft bgs. Apparent reworked glacial till deposits of gray silt and fine sand with some subangular gravel were encountered from approximately 25 to 40 ft bgs. Along the western boundary of the Site (i.e. monitoring well locations MW-1D and MW-4S, and soil boring location SB-5), sands were not encountered, only clayey silt/silty clay from ground surface to approximately 16 ft bgs.

3.2 BEDROCK GEOLOGY

Bedrock was not encountered during SC drilling activities. The bedrock geology in the vicinity of the Site is the Canajoharie Shale and the Taconic Melange, both of Middle Ordovician origin (Fisher et al, 1970).

3.3 HYDROGEOLOGY

Two rounds of synoptic groundwater levels were measured on and recorded as part of the SC. The groundwater levels were converted to groundwater elevations which are tabulated on **Table 2**. The water levels in the shallow overburden wells range from approximately 4 to 10 ft bgs. Water levels in the deeper overburden wells range from approximately 6 to 8 ft bgs. A review of the groundwater elevations indicates a downward vertical flow potential between the shallow and deeper paired wells (MW-1S/MW-1D and MW-2S/MW-2D) from the fill sand and clayey silt/silty clay to the underlying silt and fine sand.

Groundwater elevations and flow potentials in the shallow overburden, based on the depths to groundwater measured on November 30, 2017 are provided on **Figure 4**. Based on the downward vertical flow potential between the shallow and deeper paired wells, the groundwater elevations from the two wells screened in the deeper overburden and existing well K-25 were not used to prepare flow maps.

As shown on **Figure 4**, the groundwater elevations in the shallow overburden suggest groundwater flow to the north beneath Site.

4. NATURE AND EXTENT OF CONTAMINATION

This section presents the nature and extent of Site-related COCs in overburden soils, shallow and deeper overburden groundwater, and soil vapor.

Concentrations of detected constituents in soil are compared to 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Use SCOs for all compounds and to Protection of Groundwater for compounds detected in groundwater. Detections in groundwater are compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA groundwater (Class GA SGVs).

4.1 SUBSURFACE SOIL

Twenty subsurface soil samples were collected from borings completed at the Site. Analytical results for VOCs and PFAS are presented in **Tables 3** and **4**, respectively. VOC detections were at concentrations below Part 375 SCOs for Restricted Residential Use, with the exception of one detection of PCE and one detection of TCE. The highest COC concentrations were detected northwest of the Former United One-Hour building, along the western Site boundary.

PCE was detected in seven of the samples with concentrations ranging from 0.0011 J mg/kg (SB-4S, at a depth of 16.5 to 20 ft bgs) to 73 mg/kg (SB-5, at a depth of 10 to 10.5 ft bgs). The subsurface soil sample from SB-5 at 10 to 10.5 ft bgs was the only sample that contained PCE at a concentration above the Unrestricted Use, Restricted Use Residential, and Protection of Groundwater SCOs.

TCE was detected in six samples with concentrations ranging from 0.002 J mg/kg (SB-5, at a depth of 11.5 to 13.5 ft bgs) to 27 mg/kg (SB-5, at a depth of 10 to 10.5 ft bgs). The subsurface soil sample from SB-1D at a depth of 15.6 to 18.0 ft bgs contained TCE at a concentration (2.5 mg/kg) above the Unrestricted Use and Protection of Groundwater SCOs, and the subsurface soil sample from SB-5 at a depth of 10 to 10.5 ft bgs contained TCE at a concentration above the Unrestricted Use, Restricted Use Residential, and Protection of Groundwater SCOs.

CDCE was detected in eight samples with concentrations ranging from 0.0012 J mg/kg (SB-4S, at a depth of 5 to 10 ft bgs) to 14 mg/kg (SB-5, at a depth of 10 to 10.5 ft bgs). The subsurface soil samples from SB-1D at a depth of 15.6 to 18.0 ft bgs and SB-5 at a depth of 10 to 10.5 ft bgs contained CDCE at concentrations above the Unrestricted Use and Protection of Groundwater SCOs.

VC was detected in three samples with concentrations ranging from 0.0044 mg/kg (SB-4, at a depth of 20 to 20.4 ft bgs) to 0.14 mg/kg (SB-1D, at a depth of 15.6 to 18 ft bgs). Each of these concentrations was above the Unrestricted Use and Protection of Groundwater SCOs. Other non-COC constituents were detected at concentrations below Part 375 Unrestricted Use and Protection of Groundwater SCOs. As shown on **Table 4**, PFAS were not detected in soils.

Figure 5 shows concentrations of Site-related COCs detected during the SC. Review of this figure indicates that Site-related COC concentrations are highest northwest of the Former United One-Hour building, along the western Site boundary. **Figure 5** also shows a general correlation between the observed depth of subsurface soil detections on Site (approximately 10 to 20 ft bgs) with the results of subsurface soil sample collected at boring B-12 during the Phase II investigation conducted for the property located to the west of the Site. PCE and TCE concentrations in boring B-12 were detected at a depth of 15 to 17 ft bgs. Further, COC concentrations detected in on-Site boring SB-5 are comparable to the concentrations detected in boring B-12.

4.2 GROUNDWATER

During implementation of the SC, groundwater samples were collected on two occasions (July 2017 and November 2017) from up to six on-Site monitoring wells (MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, and MW-4S) and three existing monitoring wells on the adjacent property (K-16, K-16-2, and K-25). Analytical results for VOCs are presented in **Table 5**. Analytical results for TCL/TAL constituents (SVOCs, metals, PCBs, pesticides, and herbicides) are presented in **Tables 6** through **10**, respectively. Analytical results for PFAS are presented in **Table 11**.

The July 2017 groundwater sampling event included collection and analysis of samples from eight monitoring wells (MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, K-16, K-16-2, and K-25), with the highest COC concentrations observed in monitoring well MW-1S. COCs detected above Class GA SGVs included PCE, TCE, cis-1,2-DCE, and VC. PCE, TCE, and CDCE were detected in MW-1S at concentrations of 8.1 µg/l, 34 µg/l, and 200 µg/l, respectively. VC was detected at MW-1S and MW-1D at concentrations of 95 µg/l and 4.6 µg/l, respectively. 1,1-dichloroethene was detected in MW-1S at a concentration slightly above Class GA SGVs, 5.7 J µg/l.

As shown on **Table 6**, 1,4-dioxane was not detected in the on-Site monitoring wells. Detection of other TCL/TAL constituents were below criteria with the exception of iron, magnesium, manganese, and sodium. These constituents are naturally occurring and likely detected as the result of the elevated groundwater turbidity observed during sample collection.

As shown on **Table 11**, PFAS were detected at low-level concentrations in each of the Site monitoring wells however, the detections of PFAS were below the lifetime health advisory established by USEPA for drinking water (70 parts per trillion [ppt] Perfluorooctanoic acid [PFOA] and Perfluorooctanesulfonic acid [PFOS], individually and combined). The maximum combined concentration of PFOA and PFOS detected was 19.1 ppt (6.1 ppt PFOA and 13 ppt PFOS) at monitoring well MW-2S.

The November 2017 groundwater sampling event included collection and analysis of samples from nine monitoring wells (MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, MW-4S, K-16, K-16-2, and K-25), with the highest COC concentrations observed in monitoring well MW-4S. These samples were analyzed for VOCs only. COCs detected above Class GA SGVs included PCE, TCE, CDCE, and VC. PCE was detected in two of the nine wells sampled, ranging in concentration from 750 µg/l at MW-4S to 210 g/l at MW-1S. TCE was detected in MW-1S at a concentration of 34 µg/l and at MW-4S at a concentration of 33 µg/l. CDCE was detected in MW-1S at a concentration of 130 µg/l and at MW-4S at a concentration of 40 µg/l. VC was detected at MW-1S and MW-1D at concentrations of 78 µg/l and 2.5 µg/l, respectively. In general, COC detections were comparable to the July 2017 groundwater sampling event.

Figure 6 shows concentrations of Site-related COCs detected during the SC. A review of this figure indicates in that Site-related COC concentrations are highest in the shallow overburden wells located directly downgradient of the Site, along the western Site boundary and north towards Columbia Turnpike. In the deeper overburden, Site-related COCs were not detected, with the exception of CDCE, which was detected in MW-1D at a concentration below criteria.

4.3 SOIL VAPOR

Soil vapor samples were collected from four temporary soil vapor points (SV-01, SV-02, SV-03, and SV-04) installed during the SC. Analytical results are presented in **Table 12**.

PCE was detected in three of the four soil vapor samples collected at concentrations ranging from 61 µg/m^3 at SV-04 located south of the on-Site structure to 36,000 µg/m^3 at SV-01 located on the northern corner of the Site along Columbia Turnpike. TCE was detected in two of the four soil vapor samples at concentrations of 1,600 µg/m^3 at SV-01 and 130 µg/m^3 at SV-02. CDCE was also detected in two of the four soil vapor samples at concentrations of 170 J µg/m^3 at SV-01, 28 µg/m^3 at SV-02. VC was detected at a concentration of 5.7 J µg/m^3 in SV-02 only.

Figure 7 shows concentrations of Site-related COCs detected during the SC. Review of **Figure 7** indicates that concentrations of Site-related COCs are present near the footprint of the Former United One-Hour building and to the north. The soil vapor concentrations of Site-related COCs at SV-01 may indicate a preferential pathway along subsurface utility lines located north of Site along Columbia Turnpike.

5. SUMMARY AND CONCLUSIONS

The Site data show that the Site-related COCs, PCE and its degradation products (TCE, CDCE, and VC), are present in on-Site soil, groundwater, and soil vapor, north and west of the Former United One-Hour Dry Cleaners building. The highest concentrations of VOCs in soil were found in SB-5 (114 mg/kg total VOCs at 10 to 10.5 ft bgs). The presence of this concentration coupled with the groundwater and soil vapor data suggest the presence of a potential source of VOCs beneath the Former United One-Hour building or beneath the asphalt driveway on the west side of the building.

Based upon the investigations completed the following conclusions have been developed:

- The upper 2 to 4 ft of subsurface material at the site is fill consisting of brown, coarse to fine sand and gravel. The fill is underlain by lacustrine deposits of brown and gray interbedded clayey silt and silty clay to approximately 10 to 15 ft bgs and brown to gray silt that grades to approximately 25 ft bgs. Apparent reworked glacial till deposits of gray silt and fine sand with some subangular gravel were encountered from approximately 25 to 40 ft bgs.
- The water table was encountered at depths ranging from approximately 4 to 10 ft bgs. A downward vertical flow potential (e.g., flow potential from shallow to deep) is observed at the paired wells (MW-1S/MW-1D and MW-2S/MW-2D) from the fill sand and clayey silt/silty clay to the underlying silt and fine sand.
- Site-related COCs above the Unrestricted Use, Restricted Use Residential, and/or Protection of Groundwater SCOs were observed in soil between 10 and 20 ft bgs in borings completed north and west of the Site. Sample depths and concentrations were comparable to results from previous investigations at the adjacent property, west of the Site.
- Site-related COCs are principally located in the shallow overburden groundwater. COC concentrations are highest directly downgradient of the Site, along the western Site boundary and north towards Columbia Turnpike.
- Soil vapor concentrations of Site-related COCs at SV-01 may indicate a preferential pathway along subsurface utility lines located north of Site along Columbia Turnpike.

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Tables

Table 1
Monitoring Well Construction Summary
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

Well ID	Location		Ground Elevation	Top of Casing Elevation	Total Boring Depth	Bottom Elevation	Screen Type	Well Diameter	Top of Screen	Bottom of Screen	Elevation Top Screen	Elevation Bottom Screen
	Northing	Easting	(ft amsl)	(ft amsl)	(ft bgs)	(ft amsl)		(inches)	(ft bgs)	(ft bgs)	(ft amsl)	(ft amsl)
MW-1S	1380115.0	698033.8	205.0	204.63	20	NA	0.010-in slot PVC	2.0	10	20	195.0	185.0
MW-1D	1380113.3	698029.5	205.0	204.79	30	NA	0.010-in slot PVC	2.0	25	30	180.0	175.0
MW-2S	1380061.5	698011.9	205.3	205.10	20	NA	0.010-in slot PVC	2.0	10	20	195.3	185.3
MW-2D	1380064.1	698010.1	205.2	204.96	33	NA	0.010-in slot PVC	2.0	28	33	177.2	172.2
MW-3S	1379935.4	698106.2	209.8	209.41	25	NA	0.010-in slot PVC	2.0	15	25	194.8	184.8
MW-4S	1380177.5	698103.1	205.1	204.81	40	NA	0.010-in slot PVC	2.0	10	20	195.1	185.1
K-16	1380083.3	697953.1	201.6	201.25	NA	NA	0.010-in slot PVC	1.0	NA	NA	NA	NA
K-16-2	1380209.5	697929.5	201.4	201.09	NA	NA	0.010-in slot PVC	1.0	NA	NA	NA	NA
K-25	1380077.8	697946.3	201.4	201.14	NA	NA	0.010-in slot PVC	1.0	NA	NA	NA	NA

Notes:

Horizontal Datum: NAD83 New York East State Plane Feet, Vertical Datum: NAVD88 (feet)

ft amsl: feet above mean sea level.

ft bgs: feet below ground surface.

NA: Not available

PVC: Polyvinyl Chloride

Table 2
Groundwater Elevation Summary
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

Well ID	Location		Top of Casing Elevation	July 10, 2017		November 30, 2017	
	Northing	Easting	(ft amsl)	Depth to Water (ft BTOC)	Groundwater Elevation (ft amsl)	Depth to Water (ft BTOC)	Groundwater Elevation (ft amsl)
MW-1S	1380115.0	698033.8	204.63	4.38	200.25	6.70	197.93
MW-1D	1380113.3	698029.5	204.79	6.36	198.43	8.50	196.29
MW-2S	1380061.5	698011.9	205.10	3.72	201.38	7.00	198.10
MW-2D	1380064.1	698010.1	204.96	5.78	199.18	8.31	196.65
MW-3S	1379935.4	698106.2	209.41	5.59	203.82	10.73	198.68
MW-4S	1380177.5	698103.1	204.81	NI	NA	7.84	196.97
K-16	1380083.3	697953.1	201.25	4.31	196.94	4.14	197.11
K-16-2	1380209.5	697929.5	201.09	4.06	197.03	4.04	197.05
K-25	1380077.8	697946.3	201.14	4.50	196.64	6.45	194.69

Notes:

Horizontal Datum: NAD83 New York East State Plane Feet, Vertical Datum: NAVD88 (feet)

ft amsl: feet above mean sea level.

ft BTOC: feet below top of casing.

NI: Not Installed

NA: Not available

Table 3
Soil Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

					Locations ID:	SB-1D	SB-1D	SB-2D	SB-2D	SB-2D
					Sample ID:	SB-1D-15.6-18.0-060717	SB-1D-23.2-25.0-060717	SB-2D-8.0-8.4-060817	SB-2D-15.0-16.8-060717	SB-2D-16.8-18.1-060717
					Sample Date:	6/7/2017	6/7/2017	6/8/2017	6/7/2017	6/7/2017
					Sample Depth:	15.6 - 18.0 ft BGS	23.2 - 25.0 ft BGS	8.0 - 8.4 ft BGS	15 - 16.8 ft BGS	16.8 - 18.1 ft BGS
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Restricted-Residential[2]	Part 375 GW Protection[3]						
1,1,1-Trichloroethane	71-55-6	0.68	100	0.68	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
1,1,2,2-Tetrachloroethane	79-34-5	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
1,1-Dichloroethane	75-34-3	0.27	26	0.27	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
1,1-Dichloroethene	75-35-4	0.33	100	0.33	**0.093 J**	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 UJ	
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 UJ	
1,2-Dibromoethane	106-93-4	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
1,2-Dichlorobenzene	95-50-1	1.1	100	1.1	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 UJ	
1,2-Dichloroethane	107-06-2	0.02	3.1	0.02	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
1,2-Dichloropropane	78-87-5	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
1,3-Dichlorobenzene	541-73-1	2.4	49	2.4	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 UJ	
1,4-Dichlorobenzene	106-46-7	1.8	13	1.8	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 UJ	
2-Butanone	78-93-3	0.12	100	0.12	0.65 U	0.03 U	0.031 UJ	0.029 U	0.03 U	
2-Hexanone	591-78-6	NC	NC	NC	0.65 U	0.03 U	0.031 U	0.029 U	0.03 U	
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	0.65 U	0.03 U	0.031 U	0.029 U	0.03 U	
Acetone	67-64-1	0.05	100	0.05	0.65 U	0.03 U	0.031 UJ	0.029 U	0.03 U	
Benzene	71-43-2	0.06	4.8	0.06	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Bromodichloromethane	75-27-4	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Bromoform	75-25-2	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 UJ	
Bromomethane	74-83-9	NC	NC	NC	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
Carbon disulfide	75-15-0	NC	NC	NC	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
Carbon Tetrachloride	56-23-5	0.76	2.4	0.76	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Chlorobenzene	108-90-7	1.1	100	1.1	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Chloroethane	75-00-3	NC	NC	NC	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
Chloroform	67-66-3	0.37	49	0.37	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
Chloromethane	74-87-3	NC	NC	NC	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
cis-1,2-Dichloroethene	156-59-2	0.25	100	0.25	**9.3**	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Cyclohexane	110-82-7	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Dibromochloromethane	124-48-1	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Dichlorodifluoromethane	75-71-8	NC	NC	NC	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	NC	NC	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
Ethylbenzene	100-41-4	1	41	1	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Isopropylbenzene	98-82-8	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Methyl Acetate	79-20-9	NC	NC	NC	0.65 U	0.03 U	0.031 UJ	0.029 U	0.03 U	
Methylcyclohexane	108-87-2	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Methylene Chloride	75-09-2	0.05	100	0.05	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
MTBE	1634-04-4	0.93	100	0.93	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U	
Styrene	100-42-5	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	
Tetrachloroethene	127-18-4	1.3	19	1.3	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U	

Table 3
Soil Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

				Locations ID:	SB-1D	SB-1D	SB-2D	SB-2D	SB-2D
				Sample ID:	SB-1D-15.6-18.0-060717	SB-1D-23.2-25.0-060717	SB-2D-8.0-8.4-060817	SB-2D-15.0-16.8-060717	SB-2D-16.8-18.1-060717
				Sample Date:	6/7/2017	6/7/2017	6/8/2017	6/7/2017	6/7/2017
				Sample Depth:	15.6 - 18.0 ft BGS	23.2 - 25.0 ft BGS	8.0 - 8.4 ft BGS	15 - 16.8 ft BGS	16.8 - 18.1 ft BGS
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Restricted-Residential[2]	Part 375 GW Protection[3]					
Toluene	108-88-3	0.7	100	0.7	0.13 U	0.0061 U	0.0061 U	0.0058 U	**0.00095 J**
trans-1,2-Dichloroethene	156-60-5	0.19	100	0.19	**0.054 J**	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	0.13 U	0.0061 U	0.0061 U	0.0058 U	0.0059 U
Trichloroethene	79-01-6	0.47	21	0.47	**2.5**	0.0061 U	0.0061 U	0.0058 U	0.0059 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	0.13 U	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U
Vinyl Chloride	75-01-4	0.02	0.9	0.02	**0.14**	0.0061 U	0.0061 UJ	0.0058 U	0.0059 U
Xylenes, Total	13330-20-7	NC	NC	NC	0.26 U	0.012 U	0.012 U	0.012 U	0.012 U

Notes:
All units in milligrams per kilogram (mg/kg)
BOLD indicates result is detected.
[1]6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[2]6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
[3]6 NYCRR Part 375, Table 375-6.8(a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
Results exceed both Unrestricted Use Soil Cleanup Objectives and Protection of Groundwater Use Soil Cleanup Objectives
Results exceed Unrestricted, Restricted Use Soil Cleanup Objectives, and Protection of Groundwater Use Soil Cleanup Objectives

NC - No criteria exists
ft BGS - feet below ground surface
U - Not Detected at the Detection Limit shown
J - Estimated Value
H - Biased high

Table 3
Soil Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

					Locations ID:	SB-2D	SB-2D	SB-2D	SB-3D	SB-3D
					Sample ID:	X-1-060717	SB-2D-20.6-21.7-060717	SB-2D-30.0-31.9-060717	SB-3D-10.0-11.8-060717	SB-3D-17.0-18.1-060717
					Sample Date:	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
					Sample Depth:	16.8 - 18.1 ft BGS	20.6 - 21.7 ft BGS	30 - 31.9 ft BGS	10.0 - 11.8 ft BGS	17.0 - 18.1 ft BGS
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Restricted-Residential[2]	Part 375 GW Protection[3]						
1,1,1-Trichloroethane	71-55-6	0.68	100	0.68	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 UJ
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
1,1-Dichloroethane	75-34-3	0.27	26	0.27	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
1,1-Dichloroethene	75-35-4	0.33	100	0.33	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 UJ
1,2-Dibromoethane	106-93-4	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 UJ
1,2-Dichlorobenzene	95-50-1	1.1	100	1.1	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
1,2-Dichloroethane	107-06-2	0.02	3.1	0.02	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
1,3-Dichlorobenzene	541-73-1	2.4	49	2.4	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 UJ
1,4-Dichlorobenzene	106-46-7	1.8	13	1.8	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 UJ
2-Butanone	78-93-3	0.12	100	0.12	0.03 U	0.028 U	0.027 UJ	0.03 U	0.027 UJ
2-Hexanone	591-78-6	NC	NC	NC	0.03 UJ	0.028 UJ	0.027 UJ	0.03 U	0.027 UJ
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	0.03 UJ	0.028 UJ	0.027 UJ	0.03 U	0.027 U
Acetone	67-64-1	0.05	100	0.05	0.03 U	0.028 U	0.027 UJ	0.03 U	0.027 U
Benzene	71-43-2	0.06	4.8	0.06	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Bromodichloromethane	75-27-4	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Bromoform	75-25-2	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Bromomethane	74-83-9	NC	NC	NC	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 UJ
Carbon disulfide	75-15-0	NC	NC	NC	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
Carbon Tetrachloride	56-23-5	0.76	2.4	0.76	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Chlorobenzene	108-90-7	1.1	100	1.1	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Chloroethane	75-00-3	NC	NC	NC	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 UJ
Chloroform	67-66-3	0.37	49	0.37	**0.00047 J**	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
Chloromethane	74-87-3	NC	NC	NC	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
cis-1,2-Dichloroethene	156-59-2	0.25	100	0.25	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Cyclohexane	110-82-7	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Dibromochloromethane	124-48-1	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	NC	NC	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
Ethylbenzene	100-41-4	1	41	1	**0.00045 JH**	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Isopropylbenzene	98-82-8	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Methyl Acetate	79-20-9	NC	NC	NC	0.03 U	0.028 U	0.027 UJ	0.03 U	0.027 U
Methylcyclohexane	108-87-2	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Methylene Chloride	75-09-2	0.05	100	0.05	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
MTBE	1634-04-4	0.93	100	0.93	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
Styrene	100-42-5	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Tetrachloroethene	127-18-4	1.3	19	1.3	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U

Table 3
Soil Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

				Locations ID:	SB-2D	SB-2D	SB-2D	SB-3D	SB-3D
				Sample ID:	X-1-060717	SB-2D-20.6-21.7-060717	SB-2D-30.0-31.9-060717	SB-3D-10.0-11.8-060717	SB-3D-17.0-18.1-060717
				Sample Date:	6/7/2017	6/7/2017	6/7/2017	6/7/2017	6/7/2017
				Sample Depth:	16.8 - 18.1 ft BGS	20.6 - 21.7 ft BGS	30 - 31.9 ft BGS	10.0 - 11.8 ft BGS	17.0 - 18.1 ft BGS
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Restricted-Residential[2]	Part 375 GW Protection[3]					
Toluene	108-88-3	0.7	100	0.7	**0.0027 JH**	**0.002 JH**	0.0055 UJ	0.0061 U	**0.00054 J**
trans-1,2-Dichloroethene	156-60-5	0.19	100	0.19	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Trichloroethene	79-01-6	0.47	21	0.47	0.0059 UJ	0.0056 UJ	0.0055 UJ	0.0061 U	0.0055 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
Vinyl Chloride	75-01-4	0.02	0.9	0.02	0.0059 U	0.0056 U	0.0055 UJ	0.0061 U	0.0055 U
Xylenes, Total	13330-20-7	NC	NC	NC	**0.0013 JH**	0.011 UJ	0.011 UJ	0.012 U	0.011 U

Notes:
All units in milligrams per kilogram (mg/kg)
BOLD indicates result is detected.

[1]6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[2]6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
[3]6 NYCRR Part 375, Table 375-6.8(a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
Results exceed both Unrestricted Use Soil Cleanup Objectives and Protection of Groundwater Use Soil Cleanup Objectives
Results exceed Unrestricted, Restricted Use Soil Cleanup Objectives, and Protection of Groundwater Use Soil Cleanup Objectives

NC - No criteria exists
ft BGS - feet below ground surface
U - Not Detected at the Detection Limit shown
J - Estimated Value
H - Biased high

Table 3
Soil Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

				Locations ID:	SB-4	SB-4	SB-4	SB-4	SB-4
				Sample ID:	SB-4-2.4-2.9-060917	SB-4-7.3-8.0-060917	SB-4-15.0-15.7-060917	SB-4-20.0-20.4-060917	SB-4-26.5-27.0-060917
				Sample Date:	6/9/2017	6/9/2017	6/9/2017	6/9/2017	6/9/2017
				Sample Depth:	2.4 - 2.9 ft BGS	7.3 - 8.0 ft BGS	15.0 - 15.7 ft BGS	20.0 - 20.4 ft BGS	26.5 - 27.0 ft BGS
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Restricted-Residential[2]	Part 375 GW Protection[3]					
1,1,1-Trichloroethane	71-55-6	0.68	100	0.68	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
1,1-Dichloroethane	75-34-3	0.27	26	0.27	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
1,1-Dichloroethene	75-35-4	0.33	100	0.33	0.006 UJ	0.0065 UJ	0.029 UJ	**0.0029 JH**	0.0057 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	0.006 U	0.0065 U	0.029 U	0.0061 UJ	0.0057 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	0.006 U	0.0065 U	0.029 U	0.0061 UJ	0.0057 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
1,2-Dichlorobenzene	95-50-1	1.1	100	1.1	0.006 U	0.0065 U	0.029 U	0.0061 UJ	0.0057 U
1,2-Dichloroethane	107-06-2	0.02	3.1	0.02	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
1,2-Dichloropropane	78-87-5	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
1,3-Dichlorobenzene	541-73-1	2.4	49	2.4	0.006 U	0.0065 U	0.029 U	0.0061 UJ	0.0057 U
1,4-Dichlorobenzene	106-46-7	1.8	13	1.8	0.006 U	0.0065 U	0.029 U	0.0061 UJ	0.0057 U
2-Butanone	78-93-3	0.12	100	0.12	0.03 UJ	0.032 UJ	0.14 UJ	0.03 UJ	0.028 UJ
2-Hexanone	591-78-6	NC	NC	NC	0.03 U	0.032 U	0.14 UJ	0.03 UJ	0.028 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	0.03 U	0.032 U	0.14 UJ	0.03 UJ	0.028 U
Acetone	67-64-1	0.05	100	0.05	0.032 UJ	0.032 UJ	0.14 UJ	0.03 UJ	0.028 UJ
Benzene	71-43-2	0.06	4.8	0.06	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Bromodichloromethane	75-27-4	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Bromoform	75-25-2	NC	NC	NC	0.006 U	0.0065 U	0.029 U	0.0061 UJ	0.0057 U
Bromomethane	74-83-9	NC	NC	NC	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
Carbon disulfide	75-15-0	NC	NC	NC	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
Carbon Tetrachloride	56-23-5	0.76	2.4	0.76	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Chlorobenzene	108-90-7	1.1	100	1.1	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Chloroethane	75-00-3	NC	NC	NC	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
Chloroform	67-66-3	0.37	49	0.37	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
Chloromethane	74-87-3	NC	NC	NC	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
cis-1,2-Dichloroethene	156-59-2	0.25	100	0.25	0.006 UJ	0.0065 UJ	**0.077 JH**	**0.21 JH**	0.0057 UJ
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Cyclohexane	110-82-7	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Dibromochloromethane	124-48-1	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	NC	NC	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
Ethylbenzene	100-41-4	1	41	1	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	**0.00039 J**
Isopropylbenzene	98-82-8	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Methyl Acetate	79-20-9	NC	NC	NC	0.03 UJ	0.032 UJ	0.14 UJ	0.03 UJ	0.028 UJ
Methylcyclohexane	108-87-2	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Methylene Chloride	75-09-2	0.05	100	0.05	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
MTBE	1634-04-4	0.93	100	0.93	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
Styrene	100-42-5	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Tetrachloroethene	127-18-4	1.3	19	1.3	0.006 U	0.0065 U	**0.14**	**0.18 JH**	0.0057 U

Table 3
Soil Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

				Locations ID:	SB-4	SB-4	SB-4	SB-4	SB-4
				Sample ID:	SB-4-2.4-2.9-060917	SB-4-7.3-8.0-060917	SB-4-15.0-15.7-060917	SB-4-20.0-20.4-060917	SB-4-26.5-27.0-060917
				Sample Date:	6/9/2017	6/9/2017	6/9/2017	6/9/2017	6/9/2017
				Sample Depth:	2.4 - 2.9 ft BGS	7.3 - 8.0 ft BGS	15.0 - 15.7 ft BGS	20.0 - 20.4 ft BGS	26.5 - 27.0 ft BGS
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Restricted-Residential[2]	Part 375 GW Protection[3]					
Toluene	108-88-3	0.7	100	0.7	**0.00062 J**	0.0065 U	0.029 UJ	0.0061 UJ	**0.0012 J**
trans-1,2-Dichloroethene	156-60-5	0.19	100	0.19	0.006 UJ	0.0065 UJ	0.029 UJ	**0.0046 JH**	0.0057 UJ
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	0.006 U	0.0065 U	0.029 UJ	0.0061 UJ	0.0057 U
Trichloroethene	79-01-6	0.47	21	0.47	0.006 U	0.0065 U	**0.066**	**0.086 JH**	0.0057 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	0.006 UJ	0.0065 UJ	0.029 UJ	0.0061 UJ	0.0057 UJ
Vinyl Chloride	75-01-4	0.02	0.9	0.02	0.006 UJ	0.0065 UJ	0.029 UJ	**0.044 JH**	0.0057 UJ
Xylenes, Total	13330-20-7	NC	NC	NC	**0.0011 J**	0.013 U	0.057 UJ	0.012 UJ	**0.0016 J**

Notes:
All units in milligrams per kilogram (mg/kg)
BOLD indicates result is detected.

[1]6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[2]6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
[3]6 NYCRR Part 375, Table 375-6.8(a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
Results exceed both Unrestricted Use Soil Cleanup Objectives and Protection of Groundwater Use Soil Cleanup Objectives
Results exceed Unrestricted, Restricted Use Soil Cleanup Objectives, and Protection of Groundwater Use Soil Cleanup Objectives

NC - No criteria exists
ft BGS - feet below ground surface
U - Not Detected at the Detection Limit shown
J - Estimated Value
H - Biased high

Table 3
Soil Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

				Locations ID:	SB-4S	SB-4S	SB-4S	SB-4S	SB-5
				Sample ID:	SB-4S-5.0-10.0-112117	SB-4S-11.5-13.0-112117	X-1-112117	SB-4S-16.5-20.0-112117	SB-5-7.3-8.1-112117
				Sample Date:	11/21/2017	11/21/2017	11/21/2017	11/21/2017	11/21/2017
				Sample Depth:	5.0 - 10.0 ft BGS	11.5 - 13.0 ft BGS	11.5 - 13.0 ft BGS	16.5 - 20.0 ft BGS	7.3 - 8.1 ft BGS
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Restricted-Residential[2]	Part 375 GW Protection[3]					
1,1,1-Trichloroethane	71-55-6	0.68	100	0.68	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 UJ
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
1,1-Dichloroethane	75-34-3	0.27	26	0.27	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
1,1-Dichloroethene	75-35-4	0.33	100	0.33	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 UJ	0.0066 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 UJ	0.0066 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
1,2-Dichlorobenzene	95-50-1	1.1	100	1.1	0.0065 U	0.0068 U	0.0067 U	0.0056 UJ	0.0066 U
1,2-Dichloroethane	107-06-2	0.02	3.1	0.02	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
1,3-Dichlorobenzene	541-73-1	2.4	49	2.4	0.0065 U	0.0068 U	0.0067 U	0.0056 UJ	0.0066 U
1,4-Dichlorobenzene	106-46-7	1.8	13	1.8	0.0065 U	0.0068 U	0.0067 U	0.0056 UJ	0.0066 U
2-Butanone	78-93-3	0.12	100	0.12	0.032 U	0.034 U	0.033 U	0.028 U	0.033 UJ
2-Hexanone	591-78-6	NC	NC	NC	0.032 U	0.034 U	0.033 U	0.028 U	0.033 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	0.032 U	0.034 U	0.033 U	0.028 U	0.033 U
Acetone	67-64-1	0.05	100	0.05	0.032 U	0.034 U	0.033 U	0.028 U	0.033 U
Benzene	71-43-2	0.06	4.8	0.06	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Bromodichloromethane	75-27-4	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Bromoform	75-25-2	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 UJ	0.0066 U
Bromomethane	74-83-9	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Carbon disulfide	75-15-0	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Carbon Tetrachloride	56-23-5	0.76	2.4	0.76	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Chlorobenzene	108-90-7	1.1	100	1.1	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Chloroethane	75-00-3	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Chloroform	67-66-3	0.37	49	0.37	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Chloromethane	74-87-3	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
cis-1,2-Dichloroethene	156-59-2	0.25	100	0.25	**0.0012 J**	**0.02**	**0.018**	0.0056 U	**0.0028 J**
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Cyclohexane	110-82-7	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Dibromochloromethane	124-48-1	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Ethylbenzene	100-41-4	1	41	1	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Isopropylbenzene	98-82-8	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Methyl Acetate	79-20-9	NC	NC	NC	0.032 U	0.034 U	0.033 U	0.028 U	0.033 U
Methylcyclohexane	108-87-2	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Methylene Chloride	75-09-2	0.05	100	0.05	0.0065 U	0.0068 U	0.0067 U	**0.0037 JH**	0.0066 U
MTBE	1634-04-4	0.93	100	0.93	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Styrene	100-42-5	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Tetrachloroethene	127-18-4	1.3	19	1.3	**0.0063 J**	**0.22**	**0.26**	**0.0011 J**	0.0066 U

Table 3
Soil Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

				Locations ID:	SB-4S	SB-4S	SB-4S	SB-4S	SB-5
				Sample ID:	SB-4S-5.0-10.0-112117	SB-4S-11.5-13.0-112117	X-1-112117	SB-4S-16.5-20.0-112117	SB-5-7.3-8.1-112117
				Sample Date:	11/21/2017	11/21/2017	11/21/2017	11/21/2017	11/21/2017
				Sample Depth:	5.0 - 10.0 ft BGS	11.5 - 13.0 ft BGS	11.5 - 13.0 ft BGS	16.5 - 20.0 ft BGS	7.3 - 8.1 ft BGS
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Restricted-Residential[2]	Part 375 GW Protection[3]					
Toluene	108-88-3	0.7	100	0.7	0.0065 U	0.0068 U	0.0067 U	**0.00043 J**	0.0066 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	0.19	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Trichloroethene	79-01-6	0.47	21	0.47	0.0065 U	**0.015**	**0.015**	0.0056 U	0.0066 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Vinyl Chloride	75-01-4	0.02	0.9	0.02	0.0065 U	0.0068 U	0.0067 U	0.0056 U	0.0066 U
Xylenes, Total	13330-20-7	NC	NC	NC	0.013 U	0.014 U	0.013 U	0.011 U	0.013 U

Notes:
All units in milligrams per kilogram (mg/kg)
BOLD indicates result is detected.

[1]6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[2]6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
[3]6 NYCRR Part 375, Table 375-6.8(a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
Results exceed both Unrestricted Use Soil Cleanup Objectives and Protection of Groundwater Use Soil Cleanup Objectives
Results exceed Unrestricted, Restricted Use Soil Cleanup Objectives, and Protection of Groundwater Use Soil Cleanup Objectives

NC - No criteria exists
ft BGS - feet below ground surface
U - Not Detected at the Detection Limit shown
J - Estimated Value
H - Biased high

Table 3
Soil Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

					Locations ID:	SB-5	SB-5
					Sample ID:	SB-5-10.0-10.5-112117	SB-5-11.5-13.5-112117
					Sample Date:	11/21/2017	11/21/2017
					Sample Depth:	10.0 - 10.5 ft BGS	11.5 - 13.5 ft BGS
Chemical Name	CAS_RN	Part 375 Unrestricted[1]	Part 375 Restricted-Residential[2]	Part 375 GW Protection[3]			
1,1,1-Trichloroethane	71-55-6	0.68	100	0.68		0.0061 U	0.0061 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	NC	NC		0.0061 U	0.0061 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC		0.0061 U	0.0061 U
1,1-Dichloroethane	75-34-3	0.27	26	0.27		0.0061 U	0.0061 U
1,1-Dichloroethene	75-35-4	0.33	100	0.33		**0.0067**	0.0061 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC		0.0061 U	0.0061 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC		0.0061 U	0.0061 U
1,2-Dibromoethane	106-93-4	NC	NC	NC		0.0061 U	0.0061 U
1,2-Dichlorobenzene	95-50-1	1.1	100	1.1		0.0061 U	0.0061 U
1,2-Dichloroethane	107-06-2	0.02	3.1	0.02		0.0061 U	0.0061 U
1,2-Dichloropropane	78-87-5	NC	NC	NC		0.0061 U	0.0061 U
1,3-Dichlorobenzene	541-73-1	2.4	49	2.4		0.0061 U	0.0061 U
1,4-Dichlorobenzene	106-46-7	1.8	13	1.8		0.0061 U	0.0061 U
2-Butanone	78-93-3	0.12	100	0.12		0.031 U	0.03 U
2-Hexanone	591-78-6	NC	NC	NC		0.031 U	0.03 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC		0.031 U	0.03 U
Acetone	67-64-1	0.05	100	0.05		**0.006 J**	0.03 U
Benzene	71-43-2	0.06	4.8	0.06		0.0061 U	0.0061 U
Bromodichloromethane	75-27-4	NC	NC	NC		0.0061 U	0.0061 U
Bromoform	75-25-2	NC	NC	NC		0.0061 U	0.0061 U
Bromomethane	74-83-9	NC	NC	NC		0.0061 U	0.0061 U
Carbon disulfide	75-15-0	NC	NC	NC		0.0061 U	0.0061 U
Carbon Tetrachloride	56-23-5	0.76	2.4	0.76		0.0061 U	0.0061 U
Chlorobenzene	108-90-7	1.1	100	1.1		0.0061 U	0.0061 U
Chloroethane	75-00-3	NC	NC	NC		0.0061 U	0.0061 U
Chloroform	67-66-3	0.37	49	0.37		0.0061 U	0.0061 U
Chloromethane	74-87-3	NC	NC	NC		0.0061 U	0.0061 U
cis-1,2-Dichloroethene	156-59-2	0.25	100	0.25		**14**	**0.0024 J**
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC		0.0061 U	0.0061 U
Cyclohexane	110-82-7	NC	NC	NC		0.0061 U	0.0061 U
Dibromochloromethane	124-48-1	NC	NC	NC		0.0061 U	0.0061 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC		0.0061 U	0.0061 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	NC	NC		0.0061 U	0.0061 U
Ethylbenzene	100-41-4	1	41	1		0.0061 U	0.0061 U
Isopropylbenzene	98-82-8	NC	NC	NC		0.0061 U	0.0061 U
Methyl Acetate	79-20-9	NC	NC	NC		0.031 U	0.03 U
Methylcyclohexane	108-87-2	NC	NC	NC		0.0061 U	0.0061 U
Methylene Chloride	75-09-2	0.05	100	0.05		0.0061 U	0.0061 U
MTBE	1634-04-4	0.93	100	0.93		0.0061 U	0.0061 U
Styrene	100-42-5	NC	NC	NC		0.0061 U	0.0061 U
Tetrachloroethene	127-18-4	1.3	19	1.3		**73**	**0.0045 J**

Table 3
Soil Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

				Locations ID:	SB-5	SB-5
				Sample ID:	SB-5-10.0-10.5-112117	SB-5-11.5-13.5-112117
				Sample Date:	11/21/2017	11/21/2017
				Sample Depth:	10.0 - 10.5 ft BGS	11.5 - 13.5 ft BGS
Chemical Name	CAS_RN	Part 375 Unrestricted[1]	Part 375 Restricted-Residential[2]	Part 375 GW Protection[3]		
Toluene	108-88-3	0.7	100	0.7	0.0061 U	0.0061 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	0.19	**0.014**	0.0061 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	0.0061 U	0.0061 U
Trichloroethene	79-01-6	0.47	21	0.47	**27**	**0.002 J**
Trichlorofluoromethane	75-69-4	NC	NC	NC	0.0061 U	0.0061 U
Vinyl Chloride	75-01-4	0.02	0.9	0.02	**0.028**	0.0061 U
Xylenes, Total	13330-20-7	NC	NC	NC	0.012 U	0.012 U

Notes:
All units in milligrams per kilogram (mg/kg)
BOLD indicates result is detected.

[1]6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[2]6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
[3]6 NYCRR Part 375, Table 375-6.8(a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
Results exceed both Unrestricted Use Soil Cleanup Objectives and Protection of Groundwater Use Soil Cleanup Objectives
Results exceed Unrestricted, Restricted Use Soil Cleanup Objectives, and Protection of Groundwater Use Soil Cleanup Objectives

NC - No criteria exists
ft BGS - feet below ground surface
U - Not Detected at the Detection Limit shown
J - Estimated Value
H - Biased high

Table 4
Soil Analytical Data Summary - PFAS
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

			Location ID:	SB-1D	SB-2D	SB-2D	SB-3D
			Sample ID:	SB-1D-15.6-18.0-060717	SB-2D-15.0-16.8-060717	X-1-060717	SB-3D-11.5-13.2-060717
			Sample Date:	6/7/2017	6/7/2017	6/7/2017	6/7/2017
			Sample Depth:	15.6 - 18.0 ft BGS	15.0 - 16.8 ft BGS	15.0 - 16.8 ft BGS	11.5 - 13.2 ft BGS
Chemical Name	CAS No.	Part 375[1]					
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorobutyric Acid (PFBA)	375-22-4	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluoroheptanoic Acid (PFHpA)	375-85-9	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorononanoic Acid (PFNA)	375-95-1	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorooctane Sulfonamide (FOSA)	754-91-6	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorooctane Sulfonic Acid (PFOS)	1763-23-1	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorooctanoic Acid (PFOA)	335-67-1	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NC		0.00024 U	0.00024 U	0.00024 U	0.00026 U

Notes:
All units in milligrams per kilogram (mg/kg)
BOLD indicates result is detected.
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
[1] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
Results exceed both Unrestricted Use Soil Cleanup Objectives and Protection of Groundwater Use Soil Cleanup Objectives
Results exceed Unrestricted, Restricted Use Soil Cleanup Objectives, and Protection of Groundwater Use Soil Cleanup Objectives
NC - No criteria exists
ft BGS - feet below ground surface
U - Not Detected at the Detection Limit shown

Table 5
Groundwater Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-1S	MW-1S	MW-1D	MW-1D	MW-1D
		Sample ID:	MW-1S-071017	MW-1S-112817	MW-1D-071017	DUP-001-071017	MW-1D-112817
		Sample Date:	7/10/2017	11/28/2017	7/10/2017	7/10/2017	11/28/2017
Chemical Name	CAS No.	TOGS[1]					
1,1,1-Trichloroethane	71-55-6	5	8 U	2 U	1 U	1 U	1 UJ
1,1,2,2-Tetrachloroethane	79-34-5	5	8 U	2 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	1	8 U	2 U	1 U	1 U	1 UJ
1,1-Dichloroethane	75-34-3	5	8 U	2 U	1 U	1 U	1 UJ
1,1-Dichloroethene	75-35-4	**5**	**5.7 J**	2.3	1 U	1 U	1 U
1,2,4-Trichlorobenzene	120-82-1	5	8 U	2 U	1 U	1 U	1 UJ
1,2-Dibromo-3-chloropropane	96-12-8	0.04	8 U	2 U	1 U	1 U	1 U
1,2-Dibromoethane	106-93-4	0.0006	8 U	2 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	3	8 U	2 U	1 U	1 U	1 UJ
1,2-Dichloroethane	107-06-2	0.6	8 U	2 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	1	8 U	2 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	3	8 U	2 U	1 U	1 U	1 UJ
1,4-Dichlorobenzene	106-46-7	3	8 U	2 U	1 U	1 U	1 UJ
2-Butanone	78-93-3	50	80 U	20 U	10 U	10 U	10 U
2-Hexanone	591-78-6	50	40 U	10 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	108-10-1	NC	40 U	10 U	5 U	5 U	5 U
Acetone	67-64-1	50	80 U	20 U	10 U	10 U	10 U
Benzene	71-43-2	1	8 U	2 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	50	8 U	2 U	1 U	1 U	1 U
Bromoform	75-25-2	50	8 U	2 U	1 U	1 U	1 U
Bromomethane	74-83-9	5	8 U	2 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	60	1.6 J	2 U	0.21 J	1 U	1 U
Carbon Tetrachloride	56-23-5	5	8 U	2 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	8 U	2 U	1 U	1 U	1 U
Chloroethane	75-00-3	5	8 U	2 U	1 U	1 U	1 U
Chloroform	67-66-3	7	8 U	2 U	1 U	1 U	1 U
Chloromethane	74-87-3	5	8 U	2 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	**5**	**200**	**130**	1.8	1.8	1.4
Cis-1,3-Dichloropropene	10061-01-5	0.4	8 U	2 U	1 U	1 U	1 U
Cyclohexane	110-82-7	NC	8 U	2 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	50	8 U	2 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	5	8 U	2 U	1 U	1 U	1 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	8 U	2 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	5	8 U	2 U	1 U	1 U	1 UJ
Isopropylbenzene	98-82-8	5	8 U	2 U	1 U	1 U	1 U
Methyl Acetate	79-20-9	NC	20 U	5 U	2.5 U	2.5 U	2.5 U
Methylcyclohexane	108-87-2	NC	8 U	2 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	5	8 U	2 U	1 U	1 U	1 U
MTBE	1634-04-4	10	8 U	2 U	1 U	1 U	1 U
Styrene	100-42-5	5	8 U	2 U	1 U	1 U	1 UJ
Tetrachloroethene	127-18-4	**5**	**8.1**	**21**	1 U	1 U	1 UJ
Toluene	108-88-3	5	8 U	2 U	1 U	1 U	1 UJ
trans-1,2-Dichloroethene	156-60-5	5	8 U	2	1 U	1 U	1 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	8 U	2 U	1 U	1 U	1 U
Trichloroethene	79-01-6	**5**	**34**	**34**	1 U	1 U	1 UJ
Trichlorofluoromethane	75-69-4	5	8 U	2 U	1 U	1 U	1 U
Vinyl Chloride	75-01-4	**2**	**95**	**78**	**4.6**	**4.1**	**2.5**
Xylenes, Total	106-42-3	5	16 U	4 U	2 U	2 U	2 U

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - indicates result exceeds criteria.
U - Not Detected at the Detection Limit shown, J - Estimated value
L - Biased low

Table 5
Groundwater Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D
		Sample ID:	MW-2S-071117	MW-2S-112917	MW-2D-071117	MW-2D-112917	X-1-112917
		Sample Date:	7/11/2017	11/29/2017	7/11/2017	11/29/2017	11/29/2017
Chemical Name	CAS No.	TOGS[1]					
1,1,1-Trichloroethane	71-55-6	5	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	**5**	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	120-82-1	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	106-93-4	0.0006	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	0.6	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	1	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	3	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	3	1 U	1 U	1 U	1 U	1 U
2-Butanone	78-93-3	50	10 U	10 U	10 U	10 U	10 U
2-Hexanone	591-78-6	50	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	108-10-1	NC	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	50	10 U	10 U	10 U	10 U	10 U
Benzene	71-43-2	1	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	50	1 U	1 U	1 U	1 U	1 U
Bromoform	75-25-2	50	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	5	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	60	1 U	1 U	0.39 J	1 U	1 U
Carbon Tetrachloride	56-23-5	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	5	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	5	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	**5**	1 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U
Cyclohexane	110-82-7	NC	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	50	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	5	1 U	1 U	1 U	1 U	1 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	98-82-8	5	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	79-20-9	NC	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylcyclohexane	108-87-2	NC	1 U	0.31 J	1 U	0.72 J	0.24 J
Methylene Chloride	75-09-2	5	1 U	1 U	1 U	1 U	1 U
MTBE	1634-04-4	10	1 U	1 U	1 U	1 U	1 U
Styrene	100-42-5	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	**5**	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	5	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	5	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	**5**	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	75-01-4	**2**	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	106-42-3	5	2 U	2 U	2 U	2 U	2 U

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - indicates result exceeds criteria.
U - Not Detected at the Detection Limit shown, J - Estimated value
L - Biased low

Table 5
Groundwater Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-3S	MW-3S	MW-4S	MW-K16	MW-K16
		Sample ID:	MW-3S-071117	MW-3S-112917	MW-4S-113017	K-16-071217	K-16-113017
		Sample Date:	7/11/2017	11/29/2017	11/30/2017	7/12/2017	11/30/2017
Chemical Name	CAS No.	TOGS[1]					
1,1,1-Trichloroethane	71-55-6	5	1 U	1 U	10 U	1 U	1 UJ
1,1,2,2-Tetrachloroethane	79-34-5	5	1 U	1 U	10 U	1 U	1 UJ
1,1,2-Trichloroethane	79-00-5	1	1 U	1 U	10 U	1 U	1 UJ
1,1-Dichloroethane	75-34-3	5	1 U	1 U	10 U	1 U	1 UJ
1,1-Dichloroethene	75-35-4	**5**	1 U	1 U	10 U	1 U	1 UJ
1,2,4-Trichlorobenzene	120-82-1	5	1 U	1 U	10 U	1 U	1 UJ
1,2-Dibromo-3-chloropropane	96-12-8	0.04	1 U	1 U	10 U	1 U	1 UJ
1,2-Dibromoethane	106-93-4	0.0006	1 U	1 U	10 U	1 U	1 UJ
1,2-Dichlorobenzene	95-50-1	3	1 U	1 U	10 U	1 U	1 UJ
1,2-Dichloroethane	107-06-2	0.6	1 U	1 U	10 U	1 U	1 UJ
1,2-Dichloropropane	78-87-5	1	1 U	1 U	10 U	1 U	1 UJ
1,3-Dichlorobenzene	541-73-1	3	1 U	1 U	10 U	1 U	1 UJ
1,4-Dichlorobenzene	106-46-7	3	1 U	1 U	10 U	1 U	1 UJ
2-Butanone	78-93-3	50	10 U	10 U	100 U	10 U	10 UJ
2-Hexanone	591-78-6	50	5 U	5 U	50 U	5 U	5 UJ
4-Methyl-2-Pentanone	108-10-1	NC	5 U	5 U	50 U	5 U	5 UJ
Acetone	67-64-1	50	10 U	10 U	100 U	5.8 J	11 JL
Benzene	71-43-2	1	1 U	1 U	10 U	1 U	1 UJ
Bromodichloromethane	75-27-4	50	1 U	1 U	10 U	1 U	1 UJ
Bromoform	75-25-2	50	1 U	1 U	10 U	1 U	1 UJ
Bromomethane	74-83-9	5	1 U	1 U	10 U	1 U	1 UJ
Carbon disulfide	75-15-0	60	1 U	1 U	10 U	1 U	1 UJ
Carbon Tetrachloride	56-23-5	5	1 U	1 U	10 U	1 U	1 UJ
Chlorobenzene	108-90-7	5	1 U	1 U	10 U	1 U	1 UJ
Chloroethane	75-00-3	5	1 U	1 U	10 U	1 U	1 UJ
Chloroform	67-66-3	7	1 U	1 U	10 U	1 U	1 UJ
Chloromethane	74-87-3	5	1 U	1 U	10 U	1 U	1 UJ
cis-1,2-Dichloroethene	156-59-2	**5**	1 U	1 U	**40**	1 U	1 UJ
Cis-1,3-Dichloropropene	10061-01-5	0.4	1 U	1 U	10 U	1 U	1 UJ
Cyclohexane	110-82-7	NC	1 U	1 U	10 U	1 U	1 UJ
Dibromochloromethane	124-48-1	50	1 U	1 U	10 U	1 U	1 UJ
Dichlorodifluoromethane	75-71-8	5	1 U	1 U	10 U	1 U	1 UJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	1 U	1 U	10 U	1 U	1 UJ
Ethylbenzene	100-41-4	5	1 U	1 U	10 U	1 U	1 UJ
Isopropylbenzene	98-82-8	5	1 U	1 U	10 U	1 U	1 UJ
Methyl Acetate	79-20-9	NC	2.5 U	2.5 U	25 U	2.5 U	2.5 UJ
Methylcyclohexane	108-87-2	NC	1 U	0.33 J	10 U	1 U	1 UJ
Methylene Chloride	75-09-2	5	1 U	1 U	10 U	1 U	1 UJ
MTBE	1634-04-4	10	1 U	1 U	10 U	1 U	1 UJ
Styrene	100-42-5	5	1 U	1 U	10 U	1 U	1 UJ
Tetrachloroethene	127-18-4	**5**	1 U	1 U	**750**	1 U	1 UJ
Toluene	108-88-3	5	1 U	1 U	10 U	1 U	1 UJ
trans-1,2-Dichloroethene	156-60-5	5	1 U	1 U	10 U	1 U	1 UJ
Trans-1,3-Dichloropropene	10061-02-6	0.4	1 U	1 U	10 U	1 U	1 UJ
Trichloroethene	79-01-6	**5**	1 U	1 U	**33**	1 U	1 UJ
Trichlorofluoromethane	75-69-4	5	1 U	1 U	10 U	1 U	1 UJ
Vinyl Chloride	75-01-4	**2**	1 U	1 U	10 U	1 U	1 UJ
Xylenes, Total	106-42-3	5	2 U	2 U	20 U	2 U	2 UJ

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
BOLD - indicates result exceeds criteria.
U - Not Detected at the Detection Limit shown, J - Estimated value
L - Biased low

Table 5
Groundwater Analytical Data Summary - VOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-K16-2	MW-K16-2	MW-K25	MW-K25
		Sample ID:	K-16-2-071217	K-16-2-113017	K-25-071217	K-25-113017
		Sample Date:	7/12/2017	11/30/2017	7/12/2017	11/30/2017
Chemical Name	CAS No.	TOGS[1]				
1,1,1-Trichloroethane	71-55-6	5	1 UJ	1 UJ	1 U	1 UJ
1,1,2,2-Tetrachloroethane	79-34-5	5	1 UJ	1 UJ	1 U	1 UJ
1,1,2-Trichloroethane	79-00-5	1	1 UJ	1 UJ	1 U	1 UJ
1,1-Dichloroethane	75-34-3	5	1.6 JL	2.3 JL	1 U	1 UJ
1,1-Dichloroethene	75-35-4	**5**	1.5 JL	2.2 JL	1 U	1 UJ
1,2,4-Trichlorobenzene	120-82-1	5	1 UJ	1 UJ	1 U	1 UJ
1,2-Dibromo-3-chloropropane	96-12-8	0.04	1 UJ	1 UJ	1 U	1 UJ
1,2-Dibromoethane	106-93-4	0.0006	1 UJ	1 UJ	1 U	1 UJ
1,2-Dichlorobenzene	95-50-1	3	1 UJ	1 UJ	1 U	1 UJ
1,2-Dichloroethane	107-06-2	0.6	1 UJ	1 UJ	1 U	1 UJ
1,2-Dichloropropane	78-87-5	1	1 UJ	1 UJ	1 U	1 UJ
1,3-Dichlorobenzene	541-73-1	3	1 UJ	1 UJ	1 U	1 UJ
1,4-Dichlorobenzene	106-46-7	3	1 UJ	1 UJ	1 U	1 UJ
2-Butanone	78-93-3	50	10 UJ	10 UJ	10 U	10 UJ
2-Hexanone	591-78-6	50	5 UJ	5 UJ	5 U	5 UJ
4-Methyl-2-Pentanone	108-10-1	NC	5 UJ	5 UJ	5 U	5 UJ
Acetone	67-64-1	50	3.6 JL	10 JL	4 J	5.6 JL
Benzene	71-43-2	1	1 UJ	1 UJ	1 U	1 UJ
Bromodichloromethane	75-27-4	50	1 UJ	1 UJ	1 U	1 UJ
Bromoform	75-25-2	50	1 UJ	1 UJ	1 U	1 UJ
Bromomethane	74-83-9	5	1 UJ	1 UJ	1 U	1 UJ
Carbon disulfide	75-15-0	60	1 UJ	1 UJ	1 U	1 UJ
Carbon Tetrachloride	56-23-5	5	1 UJ	1 UJ	1 U	1 UJ
Chlorobenzene	108-90-7	5	1 UJ	1 UJ	1 U	1 UJ
Chloroethane	75-00-3	5	1 UJ	1 UJ	1 U	1 UJ
Chloroform	67-66-3	7	1 UJ	1 UJ	1 U	1 UJ
Chloromethane	74-87-3	5	1 UJ	1 UJ	1 U	1 UJ
cis-1,2-Dichloroethene	156-59-2	**5**	1 UJ	1 UJ	1 U	1 UJ
Cis-1,3-Dichloropropene	10061-01-5	0.4	1 UJ	1 UJ	1 U	1 UJ
Cyclohexane	110-82-7	NC	1 UJ	1 UJ	1 U	1 UJ
Dibromochloromethane	124-48-1	50	1 UJ	1 UJ	1 U	1 UJ
Dichlorodifluoromethane	75-71-8	5	1 UJ	1 UJ	1 U	1 UJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	1 UJ	1 UJ	1 U	1 UJ
Ethylbenzene	100-41-4	5	1 UJ	1 UJ	1 U	1 UJ
Isopropylbenzene	98-82-8	5	1 UJ	1 UJ	1 U	1 UJ
Methyl Acetate	79-20-9	NC	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ
Methylcyclohexane	108-87-2	NC	1 UJ	1 UJ	1 U	1 UJ
Methylene Chloride	75-09-2	5	1 UJ	1 UJ	1 U	1 UJ
MTBE	1634-04-4	10	1 UJ	1 UJ	1 U	1 UJ
Styrene	100-42-5	5	1 UJ	1 UJ	1 U	1 UJ
Tetrachloroethene	127-18-4	**5**	1 UJ	1 UJ	1 U	1 UJ
Toluene	108-88-3	5	1 UJ	1 UJ	1 U	1 UJ
trans-1,2-Dichloroethene	156-60-5	5	1 UJ	1 UJ	1 U	1 UJ
Trans-1,3-Dichloropropene	10061-02-6	0.4	1 UJ	1 UJ	1 U	1 UJ
Trichloroethene	79-01-6	**5**	1 UJ	1 UJ	1 U	1 UJ
Trichlorofluoromethane	75-69-4	5	1 UJ	1 UJ	1 U	1 UJ
Vinyl Chloride	75-01-4	**2**	1 UJ	1 UJ	1 U	1 UJ
Xylenes, Total	106-42-3	5	2 UJ	2 UJ	2 U	2 UJ

Notes:
All units in micrograms per liter (µg/L)
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revi
BOLD - indicates result exceeds criteria.
U - Not Detected at the Detection Limit shown, J - Estimated value
L - Biased low

Table 6
Groundwater Analytical Data Summary – SVOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-1S	MW-1D	MW-1D	MW-2S	MW-2D	MW-3S
		Sample ID:	MW-1S-071017	MW-1D-071017	DUP-001-071017	MW-2S-071117	MW-2D-071117	MW-3S-071117
		Sample Date:	7/10/2017	7/10/2017	7/10/2017	7/11/2017	7/11/2017	7/11/2017
Chemical Name	CAS No.	TOGS[1]						
1,1'-Biphenyl	92-52-4	5	---	5 U	5 U	---	5 U	5 U
1,4-Dioxane	123-91-1	NC	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2,4,5-Trichlorophenol	95-95-4	1	---	5 U	5 U	---	5 U	5 U
2,4,6-Trichlorophenol	88-06-2	NC	---	5 U	5 U	---	5 U	5 U
2,4-Dichlorophenol	120-83-2	5	---	5 U	5 U	---	5 U	5 U
2,4-Dimethylphenol	105-67-9	50	---	5 U	5 U	---	5 U	5 U
2,4-Dinitrophenol	51-28-5	10	---	10 U	10 U	---	10 U	10 U
2,4-Dinitrotoluene	121-14-2	5	---	5 U	5 U	---	5 U	5 U
2,6-Dinitrotoluene	606-20-2	5	---	5 U	5 U	---	5 U	5 U
2-Chloronaphthalene	91-58-7	10	---	5 U	5 U	---	5 U	5 U
2-Chlorophenol	95-57-8	1	---	5 U	5 U	---	5 U	5 U
2-Methylnaphthalene	91-57-6	NC	---	5 U	5 U	---	5 U	5 U
2-Methylphenol	95-48-7	1	---	5 U	5 U	---	5 U	5 U
2-Nitroaniline	88-74-4	5	---	10 U	10 U	---	10 U	10 U
2-Nitrophenol	88-75-5	1	---	5 U	5 U	---	5 U	5 U
3&4-Methylphenol	106-44-5	NC	---	10 U	10 U	---	10 U	10 U
3,3-Dichlorobenzidine	91-94-1	5	---	5 U	5 U	---	5 U	5 U
3-Nitroaniline	99-09-2	5	---	10 U	10 U	---	10 U	10 U
4,6-Dinitro-2-methylphenol	534-52-1	1	---	10 U	10 U	---	10 U	10 U
4-Bromophenyl-phenylether	101-55-3	NC	---	5 U	5 U	---	5 U	5 U
4-Chloro-3-methylphenol	59-50-7	1	---	5 U	5 U	---	5 U	5 U
4-Chloroaniline	106-47-8	5	---	5 U	5 U	---	5 U	5 U
4-Chlorophenyl-phenylether	7005-72-3	NC	---	5 U	5 U	---	5 U	5 U
4-Nitroaniline	100-01-6	5	---	10 U	10 U	---	10 U	10 U
4-Nitrophenol	100-02-7	1	---	10 U	10 U	---	10 U	10 U
Acenaphthene	83-32-9	NC	---	5 U	5 U	---	5 U	5 U
Acenaphthylene	208-96-8	NC	---	5 U	5 U	---	5 U	5 U
Acetophenone	98-86-2	NC	---	5 U	5 U	---	5 U	5 U
Anthracene	120-12-7	50	---	5 U	5 U	---	5 U	5 U
Atrazine	1912-24-9	7.5	---	5 U	5 U	---	5 U	5 U
Benzaldehyde	100-52-7	NC	---	5 U	5 U	---	0.27 J	5 U
Benzo[a]anthracene	56-55-3	0.002	---	5 U	5 U	---	5 U	5 U
Benzo[a]pyrene	50-32-8	0	---	5 U	5 U	---	5 U	5 U
Benzo[b]fluoranthene	205-99-2	0.002	---	5 U	5 U	---	5 U	5 U
Benzo[g,h,i]perylene	191-24-2	NC	---	5 U	5 U	---	5 U	5 U
Benzo[k]fluoranthene	207-08-9	0.002	---	5 U	5 U	---	5 U	5 U
Bis(2-Chloroethoxy)methane	111-91-1	5	---	5 U	5 U	---	5 U	5 U

Table 6
Groundwater Analytical Data Summary – SVOCs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-1S	MW-1D	MW-1D	MW-2S	MW-2D	MW-3S
		Sample ID:	MW-1S-071017	MW-1D-071017	DUP-001-071017	MW-2S-071117	MW-2D-071117	MW-3S-071117
		Sample Date:	7/10/2017	7/10/2017	7/10/2017	7/11/2017	7/11/2017	7/11/2017
Chemical Name	CAS No.	TOGS[1]						
Bis(2-Chloroethyl)Ether	111-44-4	1	---	5 U	5 U	---	5 U	5 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	---	5 U	5 U	---	5 U	5 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	---	5 U	5 U	---	5 U	5 U
Butylbenzylphthalate	85-68-7	50	---	5 U	5 U	---	5 U	5 U
Caprolactam	105-60-2	NC	---	5 U	5 U	---	5 U	5 U
Carbazole	86-74-8	NC	---	5 U	5 U	---	5 U	5 U
Chrysene	218-01-9	0.002	---	5 U	5 U	---	5 U	5 U
Dibenzo[a,h]Anthracene	53-70-3	NC	---	5 U	5 U	---	5 U	5 U
Dibenzofuran	132-64-9	NC	---	10 U	10 U	---	10 U	10 U
Diethylphthalate	84-66-2	50	---	5 U	5 U	---	5 U	5 U
Dimethylphthalate	131-11-3	50	---	5 U	5 U	---	5 U	5 U
Di-n-butylphthalate	84-74-2	50	---	5 U	5 U	---	5 U	5 U
Di-n-octylphthalate	117-84-0	50	---	5 U	5 U	---	5 U	5 U
Fluoranthene	206-44-0	50	---	5 U	5 U	---	5 U	5 U
Fluorene	86-73-7	50	---	5 U	5 U	---	5 U	5 U
Hexachlorobenzene	118-74-1	0.04	---	5 U	5 U	---	5 U	5 U
Hexachlorobutadiene	87-68-3	0.5	---	5 U	5 U	---	5 U	5 U
Hexachlorocyclopentadiene	77-47-4	5	---	5 U	5 U	---	5 U	5 U
Hexachloroethane	67-72-1	5	---	5 U	5 U	---	5 U	5 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	---	5 U	5 U	---	5 U	5 U
Isophorone	78-59-1	50	---	5 U	5 U	---	5 U	5 U
Naphthalene	91-20-3	10	---	5 U	5 U	---	5 U	5 U
Nitrobenzene	98-95-3	0.4	---	5 U	5 U	---	5 U	5 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	---	5 U	5 U	---	5 U	5 U
N-Nitrosodiphenylamine	86-30-6	50	---	5 U	5 U	---	5 U	5 U
Pentachlorophenol	87-86-5	NC	---	10 U	10 U	---	10 U	10 U
Phenanthrene	85-01-8	50	---	5 U	5 U	---	5 U	5 U
Phenol	108-95-2	NC	---	5 U	5 U	---	5 U	5 U
Pyrene	129-00-0	50	---	5 U	5 U	---	5 U	5 U

Notes:

All units in micrograms per liter (µg/L)

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

BOLD - indicates result exceeds criteria.

NC - No criteria exists

U - Not Detected at the Detection Limit shown, J - Estimated value

--- - not analyzed

Table 7
Groundwater Analytical Data Summary – Metals
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-1D	MW-1D	MW-2D	MW-3S
		Sample ID:	MW-1D-071017	DUP-001-071017	MW-2D-071117	MW-3S-071117
		Sample Date:	7/10/2017	7/10/2017	7/11/2017	7/11/2017
Chemical Name	CAS No.	TOGS[1]				
Aluminum	7429-90-5	NC	3.8 JL	3.7 JL	6.6 JL	6.2 JL
Antimony	7440-36-0	0.003	R	R	R	R
Arsenic	7440-38-2	0.025	R	R	R	R
Barium	7440-39-3	1	0.23 JL	0.23 JL	0.19 JL	0.31 JL
Beryllium	7440-41-7	0.003	R	R	R	R
Cadmium	7440-43-9	0.005	R	R	R	0.00061 JL
Calcium	7440-70-2	NC	114 JL	117 JL	119 JL	88.6 JL
Chromium	7440-47-3	0.05	0.0046 JL	0.0044 JL	0.0078 JL	0.0078 JL
Cobalt	7440-48-4	NC	0.0019 JL	0.0019 JL	0.0058 JL	0.0037 JL
Copper	7440-50-8	0.2	0.0038 JL	0.0052 JL	0.0072 JL	0.0085 JL
Cyanide (Amenable)	57-12-5	0.2	0.0050 J	0.010 U	0.010 U	0.023
Iron	7439-89-6	**0.3**	**7.2 JL**	**7.3 JL**	**8.2 JL**	**7.1 JL**
Lead	7439-92-1	0.025	0.0031 JL	0.0049 JL	0.0070 JL	0.0062 JL
Magnesium	7439-95-4	**35**	**43.5 JL**	**44.4 JL**	**39.0 JL**	26.2 JL
Manganese	7439-96-5	**0.3**	**1.3 JL**	**1.3 JL**	**1.8 JL**	**1.3 JL**
Mercury	7439-97-6	0.0007	R	R	R	R
Nickel	7440-02-0	0.1	0.0051 JL	0.0051 JL	0.0091 JL	0.0089 JL
Potassium	7440-09-7	NC	11.5 JL	11.6 JL	8.5 JL	20.0 JL
Selenium	7782-49-2	0.01	R	R	R	R
Silver	7440-22-4	0.05	R	R	R	R
Sodium	7440-23-5	**20**	**103 JL**	**105 JL**	**179 JL**	**170 JL**
Thallium	7440-28-0	0.0005	R	R	R	R
Vanadium	7440-62-2	NC	0.0071 JL	0.0061 JL	0.012 JL	0.012 JL
Zinc	7440-66-6	2	0.011 JL	0.012 JL	0.019 JL	0.019 JL

Notes:

All units in milligrams per liter (mg/L)

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values Revised June 1998

BOLD - indicates result exceeds criteria.

NC - No criteria exists

U - Not Detected at the Detection Limit shown, J - Estimated value

L - Biased low, R - Unusable

Table 8
Groundwater Analytical Data Summary – PCBs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-1D	MW-1D	MW-2D	MW-3S
		Sample ID:	MW-1D-071017	DUP-001-071017	MW-2D-071117	MW-3S-071117
		Sample Date:	7/10/2017	7/10/2017	7/11/2017	7/11/2017
Chemical Name	CAS No.	TOGS[1]				
Aroclor-1016	12674-11-2	0.09	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1221	11104-28-2	0.09	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1232	11141-16-5	0.09	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1242	53469-21-9	0.09	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1248	12672-29-6	0.09	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1254	11097-69-1	0.09	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1260	11096-82-5	0.09	0.50 U	0.50 U	0.50 U	0.50 U

Notes:

All units in micrograms per liter (µg/L)

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

BOLD - indicates result exceeds criteria.

U - Not Detected at the Detection Limit shown

J - Estimated value

Table 9
Groundwater Analytical Data Summary – Pesticides
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-1D	MW-1D	MW-2D	MW-3S
		Sample ID:	MW-1D-071017	DUP-001-071017	MW-2D-071117	MW-3S-071117
		Sample Date:	7/10/2017	7/10/2017	7/11/2017	7/11/2017
Chemical Name	CAS No.	TOGS[1]				
4-4-DDD	72-54-8	0.3	0.05 U	0.05 U	0.05 U	0.052 U
4-4-DDE	72-55-9	0.2	0.05 U	0.05 U	0.05 U	0.052 U
4-4-DDT	50-29-3	0.2	0.05 U	0.05 U	0.05 U	0.052 U
a-BHC	319-84-6	0.01	0.05 U	0.05 U	0.05 U	0.052 U
Aldrin	309-00-2	0	0.05 U	0.05 U	0.05 U	0.052 U
alpha-Chlordane	5103-71-9	NC	0.05 U	0.05 U	0.05 U	0.052 U
b-BHC	319-85-7	0.04	0.05 U	0.05 U	0.05 U	0.052 U
d-BHC	319-86-8	0.04	0.05 U	0.05 U	0.05 U	0.052 U
Dieldrin	60-57-1	0.004	0.05 U	0.05 U	0.05 U	0.052 U
Endosulfan I	959-98-8	NC	0.05 U	0.05 U	0.05 U	0.052 U
Endosulfan II	33213-65-9	NC	0.05 U	0.05 U	0.05 U	0.052 U
Endosulfan Sulfate	1031-07-8	NC	0.05 U	0.05 U	0.05 U	0.052 U
Endrin	72-20-8	0	0.05 U	0.05 U	0.05 U	0.052 U
Endrin Aldehyde	7421-93-4	5	0.05 U	0.05 U	0.05 U	0.052 U
Endrin Ketone	53494-70-5	5	0.05 U	0.05 U	0.05 U	0.052 U
Heptachlor	76-44-8	0.04	0.05 U	0.05 U	0.05 U	0.052 U
Heptachlor Epoxide	1024-57-3	0.03	0.05 U	0.05 U	0.05 U	0.052 U
Lindane	58-89-9	0.05	0.05 U	0.05 U	0.05 U	0.052 U
Methoxychlor	72-43-5	35	0.05 U	0.05 U	0.05 U	0.052 U
Toxaphene	8001-35-2	0.06	0.5 U	0.5 U	0.5 U	0.52 U
y-Chlordane	5103-74-2	NC	0.05 U	0.05 U	0.05 U	0.052 U

Notes:

All units in micrograms per liter (µg/L)

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

BOLD - indicates result exceeds criteria.

NC - No criteria exists

U - Not Detected at the Detection Limit shown

Table 10
Groundwater Analytical Data Summary – Herbicides
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-1D	MW-1D	MW-2D	MW-3S
		Sample ID:	MW-1D-071017	DUP-001-071017	MW-2D-071117	MW-3S-071117
		Sample Date:	7/10/2017	7/10/2017	7/11/2017	7/11/2017
Chemical Name	CAS No.	TOGS[1]				
2,4,5-T	93-76-5	35	1 UJ	1 UJ	1 UJ	1 UJ
2,4-D	94-75-7	50	4 U	4 U	4 U	4 U
Dalapon	75-99-0	NC	2 U	2 U	2 U	2 U
Dichlorprop	120-36-5	NC	4 U	4 U	4 U	4 U
Pentachlorophenol	87-86-5	NC	0.1 U	0.1 U	0.1 U	0.1 U
Silvex	93-72-1	0.26	1 U	1 U	1 U	1 U

Notes:

All units in micrograms per liter (µg/L)

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

BOLD - indicates result exceeds criteria.

NC - No criteria exists

U - Not Detected at the Detection Limit shown

J - Estimated value

Table 11
Groundwater Analytical Data Summary - PFAs
Former United One-Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

		Location ID:	MW-1S	MW-1D	MW-1D	MW-2S	MW-2D	MW-3S	FIELD BLANK
		Sample ID:	MW-1S-071017	MW-1D-071017	DUP-001-071017	MW-2S-071117	MW-2D-071117	MW-3S-071117	FRB-071117
		Sample Date:	7/10/2017	7/10/2017	7/10/2017	7/11/2017	7/11/2017	7/11/2017	7/11/2017
Chemical Name	CAS No.	TOGS[1]							
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NC	1.5 J	1.9 U	1.9 U	4.3 JH	1.9 U	5.2 JH	1.0 J
Perfluorobutyric Acid (PFBA)	375-22-4	NC	9.2 JH	1.9 U	1.9 U	5.4 JH	1.9 U	15 JH	1.8 J
Perfluorodecane Sulfonic Acid (PFDS)	335-77-3	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ
Perfluorodecanoic Acid (PFDA)	335-76-2	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.2 J
Perfluorododecanoic Acid (PFDoA)	307-55-1	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.0 J
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.2 J
Perfluoroheptanoic Acid (PFHpA)	375-85-9	NC	2.3	1.9 U	1.9 U	1.9 U	1.9 U	7.6 JH	1.2 J
Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.2 J
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NC	0.84 J	1.9 U	1.9 U	2.9 JH	1.9 U	1.9 JH	1.2 J
Perfluorohexanoic Acid (PFHxA)	307-24-4	NC	3.3	1.9 U	1.9 U	2.0 JH	1.9 U	13 JH	1.2 J
Perfluorononanoic Acid (PFNA)	375-95-1	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.2 J
Perfluorooctadecanoic Acid (PFODA)	16517-11-6	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 UJ
Perfluorooctane Sulfonamide (FOSA)	754-91-6	NC	1.9 JL	1.0 JL	1.9 U	1.9 U	1.9 U	37 UJ	3.5 JL
Perfluorooctane Sulfonic Acid (PFOS)	1763-23-1	NC[2]	2.7	1.5 J	1.9 U	13 JH	1.9 U	3.5 JH	1.3 J
Perfluorooctanoic Acid (PFOA)	335-67-1	NC[2]	6.9	1.9 U	1.9 U	6.1 JH	1.9 U	11 JH	1.4 J
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NC	6.4	1.9 U	1.9 U	1.9 U	1.9 U	17 JH	1.2 J
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.7 J
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.2 J
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.1 J

Notes:

All units in nanograms per liter (ng/L)

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

[2]The USEPA liftime health advisory for drinking water is 70 ng/L for PFOA and PFOS, individually and combined.

BOLD - indicates result exceeds criteria.

NC - No criteria exists

U - Not Detected at the Detection Limit shown, J - Estimated value

H - Biased high, L - Biased low

Table 12
Soil Vapor Analytical Data Summary - VOCs
Former United One Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

	Location ID:	SV-01	SV-02	SV-03	SV-04	AMBIENT
	Sample ID:	SV-01-082317	SV-02-082317	SV-03-082317	SV-04-082317	AA-01-082317
	Sample Date:	8/23/2017	8/23/2017	8/23/2017	8/23/2017	8/23/2017
Chemical Name	CAS No.					
1,1,1-Trichloroethane	71-55-6	400 U	27 U	33 UJ	30 U	1.1 U
1,1,2,2-Tetrachloroethane	79-34-5	500 U	34 U	41 UJ	37 U	1.4 U
1,1,2-Trichloroethane	79-00-5	400 U	27 U	33 UJ	30 U	1.1 U
1,1-Dichloroethane	75-34-3	290 U	20 U	24 UJ	22 U	0.81 U
1,1-Dichloroethene	75-35-4	290 U	3.1 J	1.4 J	21 U	0.79 U
1,2,4-Trichlorobenzene	120-82-1	5400 U	370 U	450 UJ	400 U	15 U
1,2,4-Trimethylbenzene	95-63-6	34 J	6.2 J	30 UJ	7.5 J	0.18 J
1,2-Dibromoethane	106-93-4	560 U	38 U	46 UJ	42 U	1.5 U
1,2-Dichlorobenzene	95-50-1	140 J	30 U	36 UJ	33 U	1.2 U
1,2-Dichloroethane	107-06-2	290 U	20 U	24 UJ	22 U	0.81 U
1,2-Dichloropropane	78-87-5	330 U	23 U	28 UJ	25 U	0.92 U
1,3,5-Trimethylbenzene	108-67-8	360 U	3.7 J	30 UJ	27 U	0.98 U
1,3-Dichlorobenzene	541-73-1	440 U	30 U	36 UJ	33 U	1.2 U
1,4-Dichlorobenzene	106-46-7	440 U	30 U	36 UJ	33 U	1.2 U
1,4-Dioxane	123-91-1	6500 U	450 U	540 UJ	490 U	18 U
2-Butanone	78-93-3	480 J	960	1200 J	1600	0.43 J
4-Methyl-2-Pentanone	108-10-1	740 U	51 U	62 UJ	56 U	2 U
Acetone	67-64-1	4300 U	310	330 J	330	4.3 J
Benzene	71-43-2	230 U	21	5.3 J	17 U	0.36 J
Benzyl Chloride	100-44-7	1500 U	100 U	120 UJ	110 U	4.1 U
Bromodichloromethane	75-27-4	490 U	34 U	40 UJ	36 U	1.3 U
Bromoethene	593-60-2	320 U	22 U	26 UJ	24 U	0.87 U
Bromoform	75-25-2	750 U	52 U	62 UJ	56 U	2.1 U
Bromomethane	74-83-9	280 U	19 U	23 UJ	21 U	0.78 U
Carbon disulfide	75-15-0	560 U	47	17 J	42 U	1.6 U
Carbon Tetrachloride	56-23-5	460 U	31 U	38 UJ	34 U	0.36 J
Chlorobenzene	108-90-7	330 U	2.7 J	28 UJ	25 U	0.92 U
Chloroethane	75-00-3	760 U	53 U	64 UJ	57 U	2.1 U
Chloroform	67-66-3	350 U	24	29 UJ	7.4 J	0.98 U
Chloromethane	74-87-3	370 U	26 U	5.7 J	28 U	0.92 J
cis-1,2-Dichloroethene	**156-59-2**	**170 J**	**28**	**24 UJ**	**21 U**	**0.79 U**
Cis-1,3-Dichloropropene	10061-01-5	330 U	23 U	27 UJ	25 U	0.91 U
Cyclohexane	110-82-7	620 U	43 U	52 UJ	47 U	0.14 J
Dibromochloromethane	124-48-1	620 U	43 U	51 UJ	46 U	1.7 U
Dichlorodifluoromethane	75-71-8	900 U	62 U	74 UJ	67 U	2.1 J
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	500 J	38 U	46 UJ	42 U	0.42 J
Ethylbenzene	100-41-4	310 U	22 U	26 UJ	24 U	0.15 J
Freon-114	76-14-2	510 U	35 U	42 UJ	38 U	1.4 U
Hexachlorobutadiene	87-68-3	7700 U	530 U	640 UJ	580 U	21 U

Table 12
Soil Vapor Analytical Data Summary - VOCs
Former United One Hour Dry Cleaners
Site No. 442045
Rensselaer, New York

	Location ID:	SV-01	SV-02	SV-03	SV-04	AMBIENT
	Sample ID:	SV-01-082317	SV-02-082317	SV-03-082317	SV-04-082317	AA-01-082317
	Sample Date:	8/23/2017	8/23/2017	8/23/2017	8/23/2017	8/23/2017
Chemical Name	CAS No.					
Hexane	110-54-3	1000 U	13 J	8.2 J	76 U	0.5 J
Isopropyl Alcohol	67-63-0	4400 U	310 U	370 UJ	330 U	12 U
Isopropylbenzene	98-82-8	1400 U	98 U	120 UJ	110 U	3.9 U
m,p-Xylene	179601-23-1	53 J	10 J	5.8 J	8.2 J	0.51 J
Methylene Chloride	75-09-2	630 U	43 U	52 UJ	47 U	0.62 J
MTBE	1634-04-4	1300 U	90 U	110 UJ	98 U	3.6 U
Naphthalene	91-20-3	72 J	66 U	79 UJ	71 U	2.6 U
o-Xylene	95-47-6	65 J	5.5 J	26 UJ	4.2 J	0.2 J
Styrene	100-42-5	310 U	3.8 J	26 UJ	3.3 J	0.85 U
Tetrachloroethene	**127-18-4**	**36000**	**570**	**41 UJ**	**61**	**0.2 J**
Tetrahydrofuran	109-99-9	5300 U	370 U	440 UJ	400 U	15 U
Toluene	108-88-3	270 U	14 J	6.7 J	20 U	0.75
trans-1,2-Dichloroethene	156-60-5	290 U	20 U	24 UJ	21 U	0.79 U
Trans-1,3-Dichloropropene	10061-02-6	330 U	23 U	27 UJ	25 U	0.91 U
Trichloroethene	**79-01-6**	**1600**	**130**	**32 UJ**	**29 U**	**1.1 U**
Trichlorofluoromethane	75-69-4	410 U	28 U	34 UJ	30 U	1.5
Vinyl Acetate	108-05-4	6400 U	440 U	530 UJ	480 U	18 U
Vinyl Chloride	**75-01-4**	**190 U**	**5.7 J**	**15 UJ**	**14 U**	**0.51 U**

Notes:

All units in micrograms per cubic meter ($\mu g/m^3$)

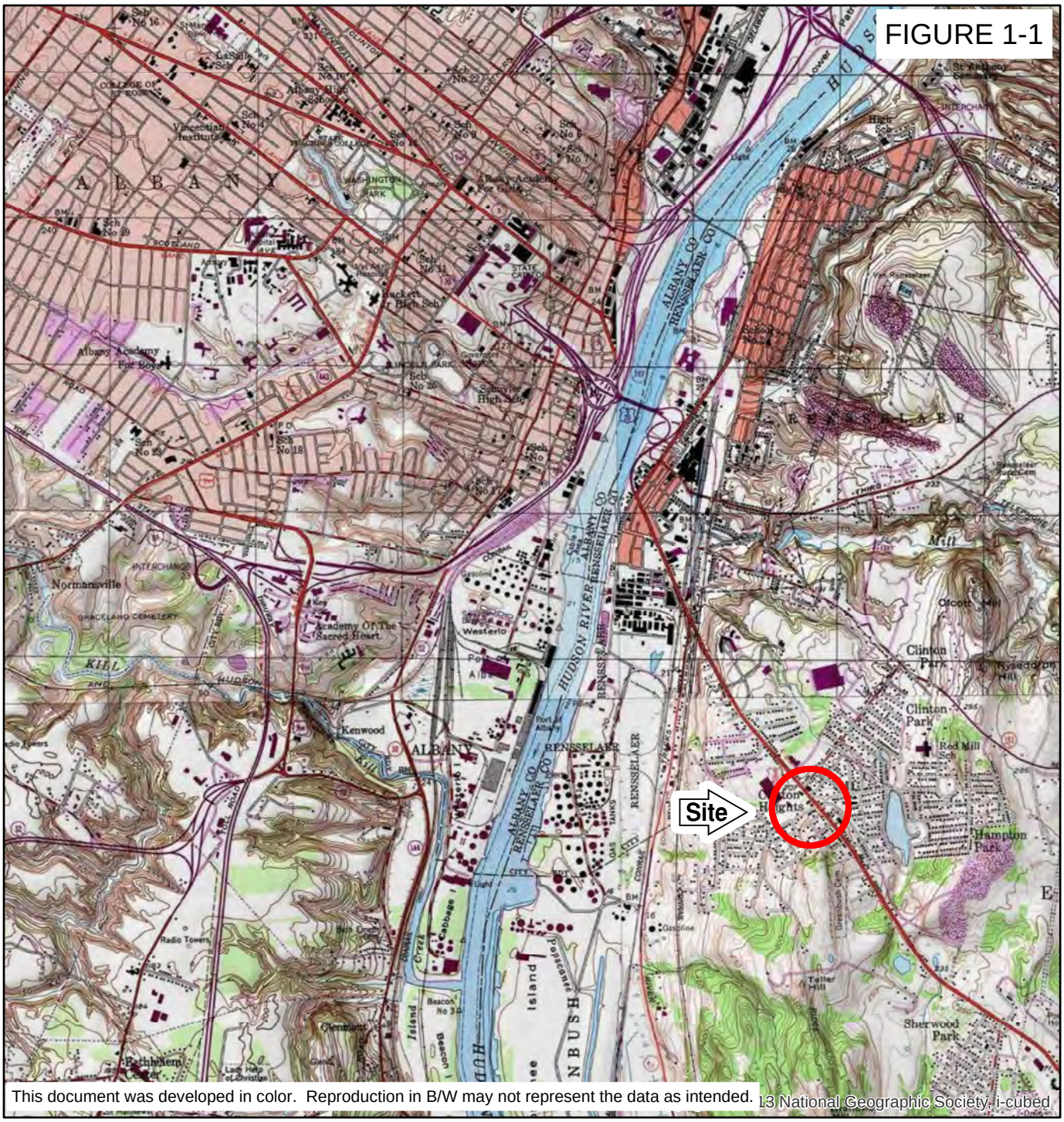
BOLD indicates result exceeds criteria.

U - Not Detected at the Detection Limit shown

J - Estimated value

Figures

FIGURE 1-1



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\\syracusesvr\projects\Parsons-Eng.8653\65305.United-1hr-CleatDocs\Reports\SC Report\Figures\Figure 1 - Site Location.mxd

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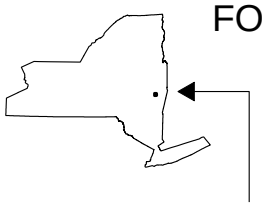
FORMER UNITED ONE-HOUR DRY CLEANERS
RENSSELAER, NEW YORK



MAP LOCATION

N

SITE LOCATION

0 1,000 2,000 4,000 6,000 8,000

Feet

65305
FEBRUARY 2018

1:40,000

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2

2/12/2018 4:44:45 PM

\\syracusesvr\projects\Parsons-Eng.8653\65305.United-1hr-Clea\Docs\Reports\SC Report\Figures\Figure 2 - Site Map.mxd

FORMER UNITED ONE-HOUR DRY CLEANERS
RENSSELAER, NEW YORK

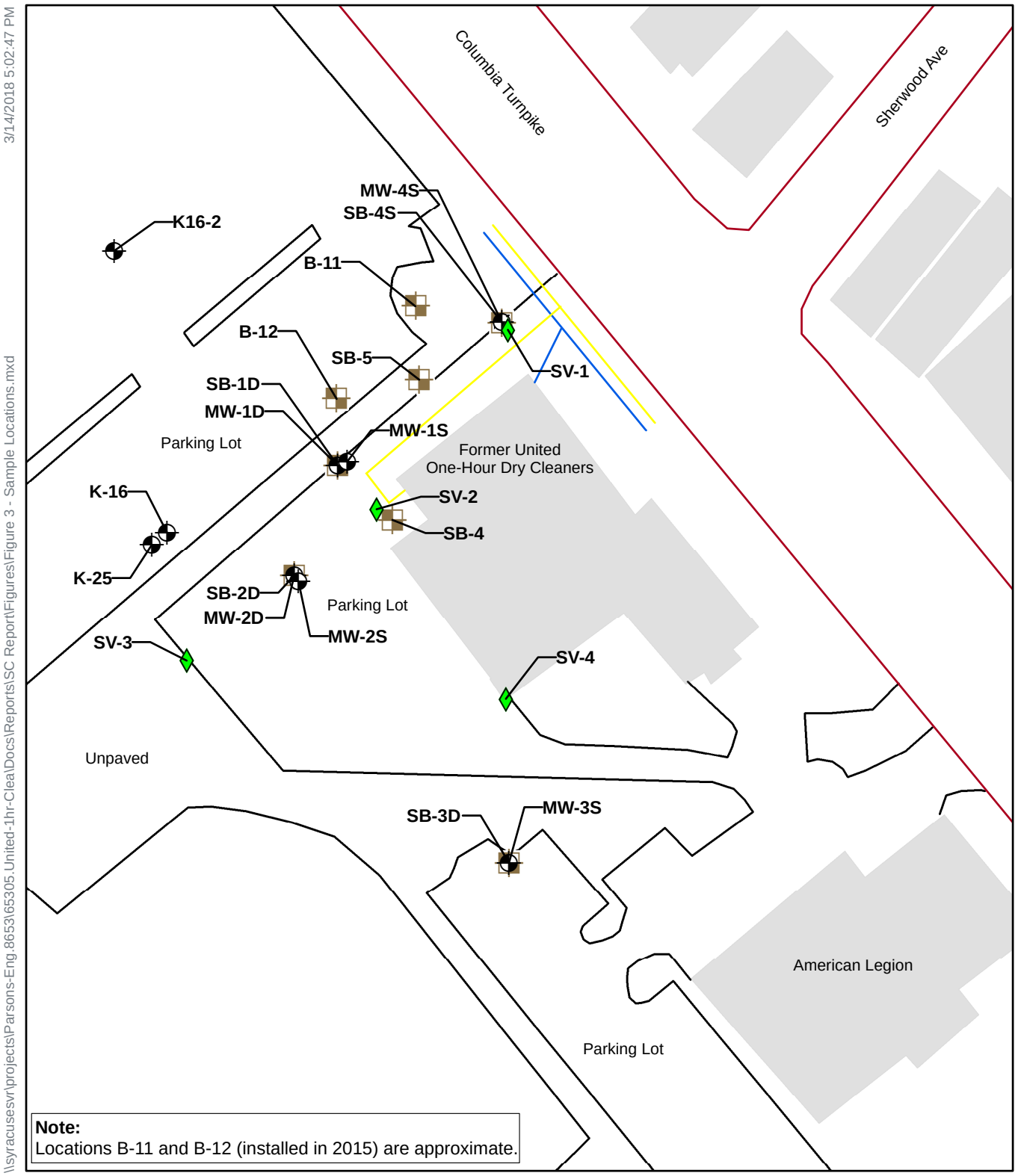
SITE MAP

N

0 100 200 400
Feet

65305
FEBRUARY 2018

O'BRIEN & GERE ENGINEERS, INC.



LEGEND

- SOIL BORING
- MONITORING WELL
- SOIL VAPOR POINT
- GAS LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)

65305
MARCH 2018

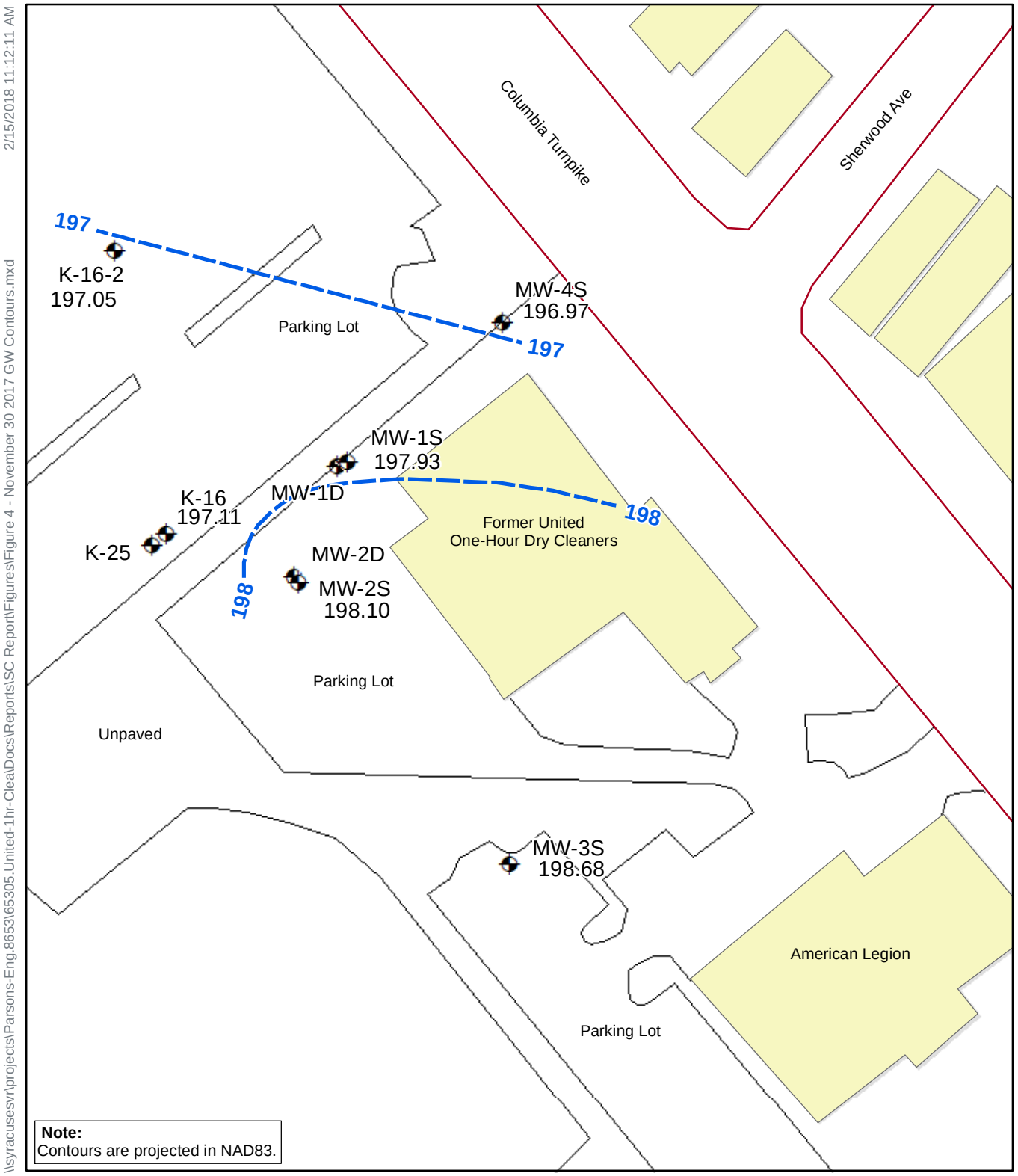
FORMER UNITED ONE-HOUR DRY CLEANERS
RENSSELAER, NEW YORK

SAMPLE LOCATIONS

0 25 50 100
Feet

N

O'BRIEN & GERE ENGINEERS, INC.



LEGEND

- 1 FOOT CONTOURS
- MONITORING WELL
- 198 GROUNDWATER COUNTOUR INTERVAL

FORMER UNITED ONE-HOUR DRY CLEANERS
RENSSELAER, NEW YORK

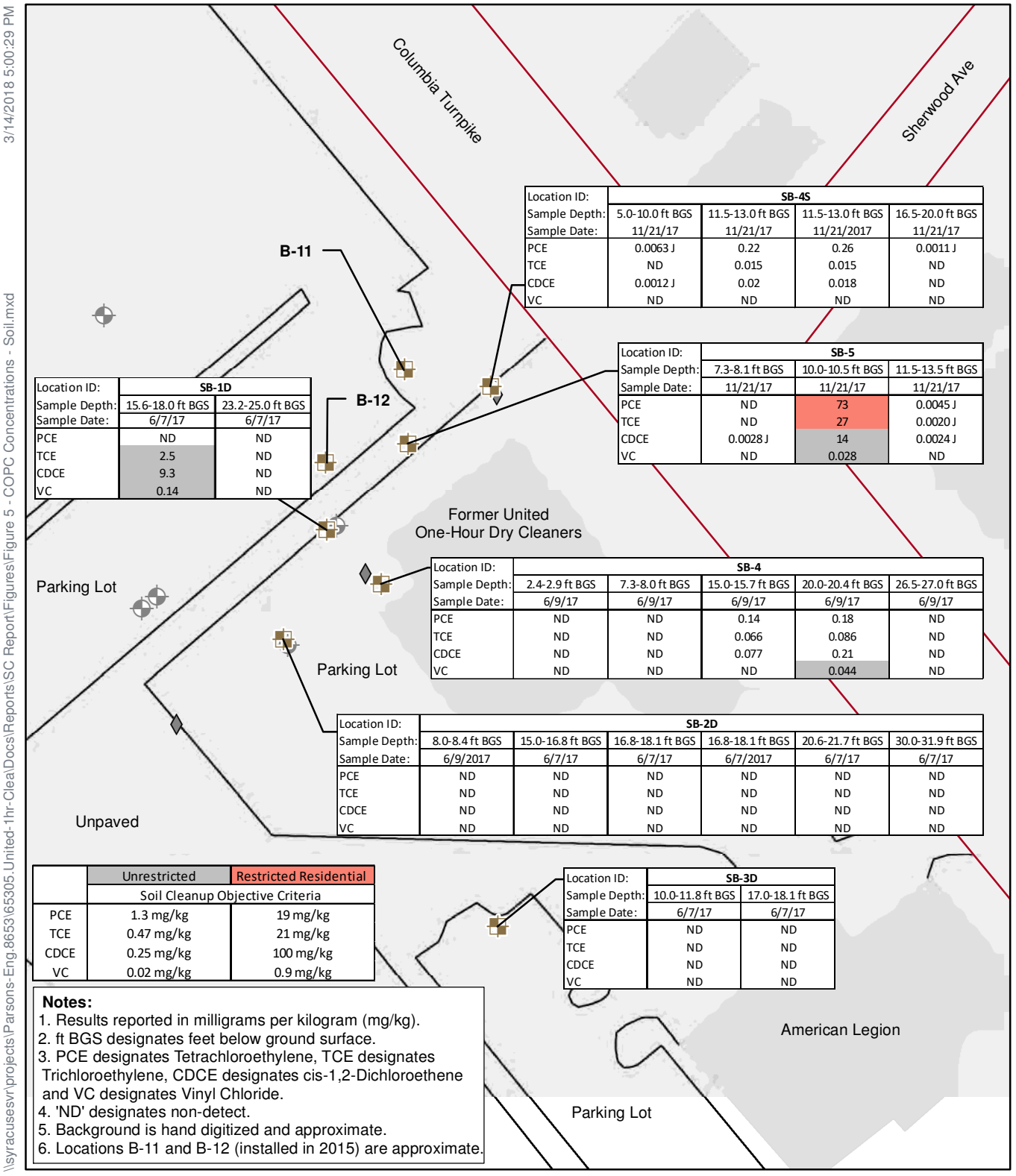
GROUNDWATER ELEVATION CONTOURS NOVEMBER 30, 2017

N

0 25 50 100
Feet

65305
FEBRUARY 2018

O'BRIEN & GERE ENGINEERS, INC.



LEGEND

- SOIL BORING
- MONITORING WELL
- SOIL VAPOR POINT

FORMER UNITED ONE-HOUR DRY CLEANERS
RENSSELAER, NEW YORK

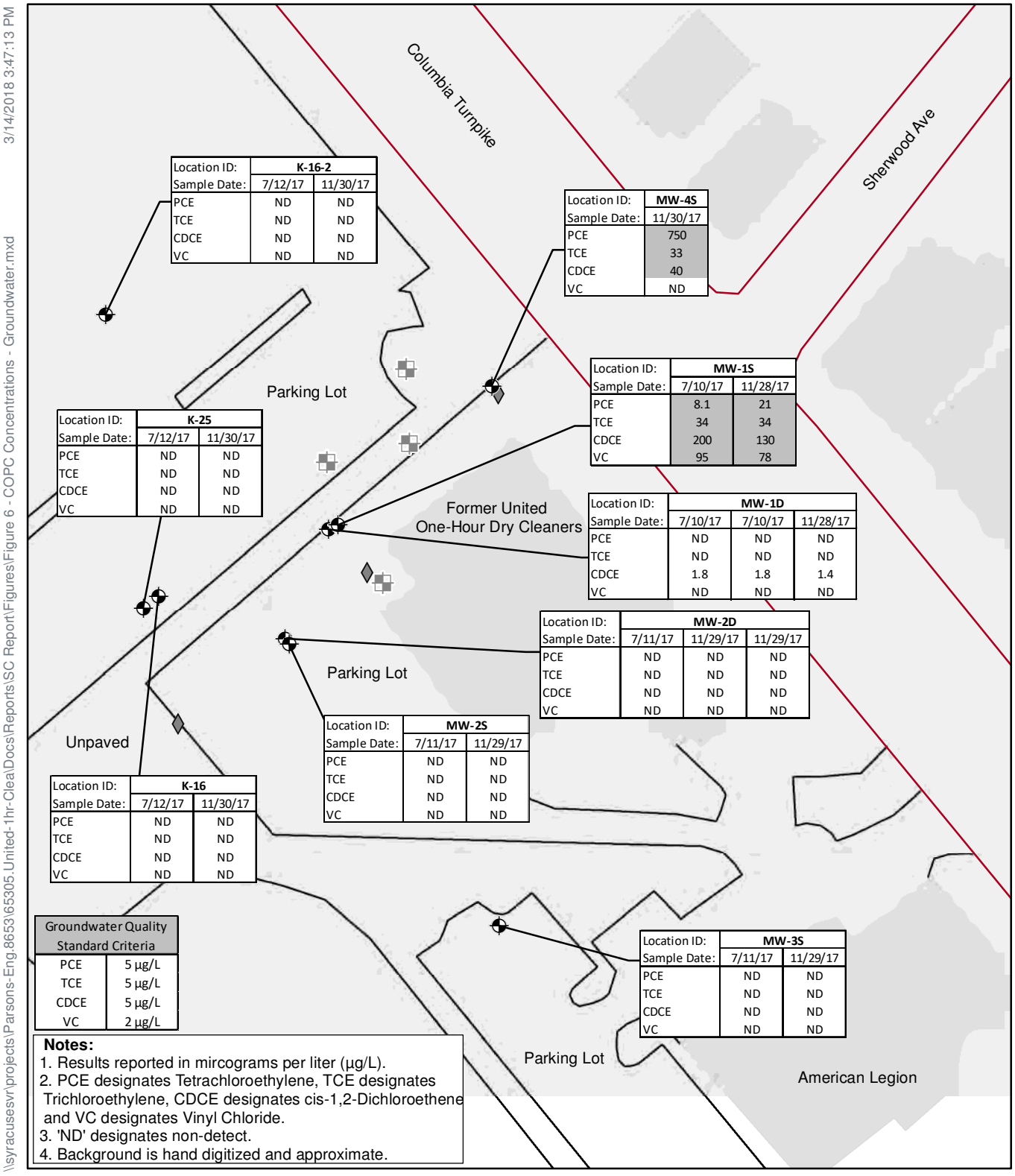
COC CONCENTRATIONS - SOIL

N

0 25 50 100
Feet

65305
MARCH 2018

O'BRIEN & GERE ENGINEERS, INC.



Location ID:	K-16-2	
Sample Date:	7/12/17	11/30/17
PCE	ND	ND
TCE	ND	ND
CDCE	ND	ND
VC	ND	ND

Location ID:	MW-4S
Sample Date:	11/30/17
PCE	750
TCE	33
CDCE	40
VC	ND

Location ID:	MW-1S	
Sample Date:	7/10/17	11/28/17
PCE	8.1	21
TCE	34	34
CDCE	200	130
VC	95	78

Location ID:	K-25	
Sample Date:	7/12/17	11/30/17
PCE	ND	ND
TCE	ND	ND
CDCE	ND	ND
VC	ND	ND

Location ID:	MW-1D		
Sample Date:	7/10/17	7/10/17	11/28/17
PCE	ND	ND	ND
TCE	ND	ND	ND
CDCE	1.8	1.8	1.4
VC	ND	ND	ND

Location ID:	MW-2D		
Sample Date:	7/11/17	11/29/17	11/29/17
PCE	ND	ND	ND
TCE	ND	ND	ND
CDCE	ND	ND	ND
VC	ND	ND	ND

Location ID:	MW-2S	
Sample Date:	7/11/17	11/29/17
PCE	ND	ND
TCE	ND	ND
CDCE	ND	ND
VC	ND	ND

Location ID:	K-16	
Sample Date:	7/12/17	11/30/17
PCE	ND	ND
TCE	ND	ND
CDCE	ND	ND
VC	ND	ND

Groundwater Quality Standard Criteria	
PCE	5 µg/L
TCE	5 µg/L
CDCE	5 µg/L
VC	2 µg/L

Location ID:	MW-3S	
Sample Date:	7/11/17	11/29/17
PCE	ND	ND
TCE	ND	ND
CDCE	ND	ND
VC	ND	ND

Notes:
1. Results reported in mircograms per liter (µg/L).
2. PCE designates Tetrachloroethylene, TCE designates Trichloroethylene, CDCE designates cis-1,2-Dichloroethene and VC designates Vinyl Chloride.
3. 'ND' designates non-detect.
4. Background is hand digitized and approximate.

LEGEND
- MONITORING WELL
- SOIL BORING
- SOIL VAPOR POINT

FORMER UNITED ONE-HOUR DRY CLEANERS
RENSSELAER, NEW YORK

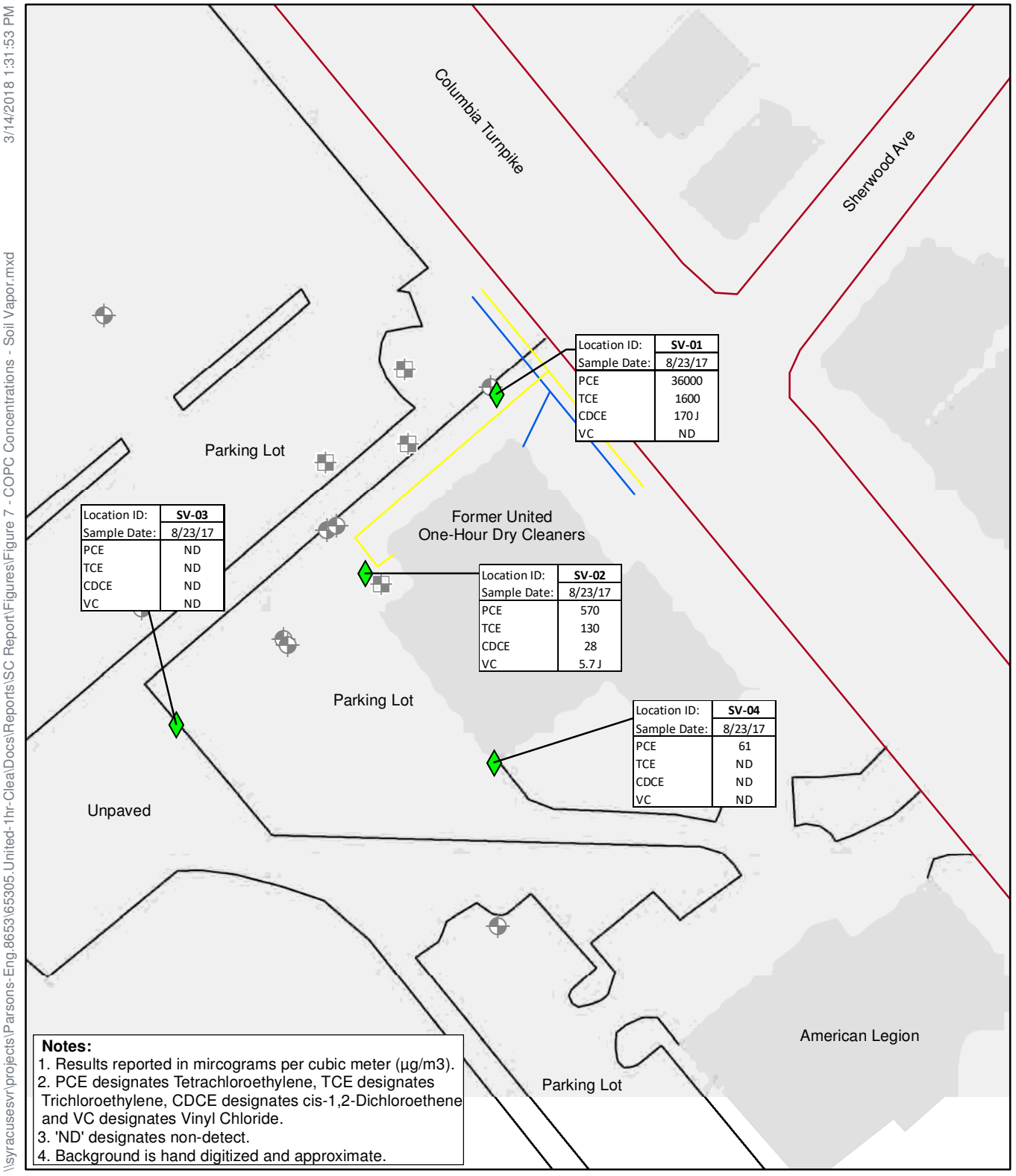
COC CONCENTRATIONS - GROUNDWATER

N

0 25 50 100
Feet

65305
MARCH 2018

O'BRIEN & GERE ENGINEERS, INC.



Notes:
1. Results reported in mircograms per cubic meter (µg/m3).
2. PCE designates Tetrachloroethylene, TCE designates Trichloroethylene, CDCE designates cis-1,2-Dichloroethene and VC designates Vinyl Chloride.
3. 'ND' designates non-detect.
4. Background is hand digitized and approximate.

LEGEND
- SOIL VAPOR POINT
- MONITORING WELL
- SOIL BORING
- GAS LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)

FORMER UNITED ONE-HOUR DRY CLEANERS
RENSSELAER, NEW YORK

COC CONCENTRATIONS - SOIL VAPOR

0 25 50 100
Feet

N

65305
MARCH 2018

O'BRIEN & GERE ENGINEERS, INC.

Appendices

GRP Survey

GROUND PENETRATING RADAR SYSTEMS, INC.

Job Date : **19-May-17**

Customer	O'Brien & Gere Company	**Phone Number**	518-847-9838

Billing Address	City	State	Zip
333 West Washington St.	Syracuse	NY	13221

Job Details

Jobsite Location	170 Columbia Turnpike	**WA Number**	29234
City	Rensselaer	**Job Num**	
State	NY	**PO Num**	11700539

Lead Technician	BELL, JAMES	**Phone**	315-715-5137	**Email**	jim.bell@gp-radar.com

Thank you for using Ground Penetrating Radar Systems on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.

Equipment Used:

The following equipment was used on this project:

- 400 MHz GPR antenna. Typically capable of detecting objects several feet deep. Maximum effective depth depends on site and soil conditions.
- At this site, the maximum effective depth of the GPR was 4'.
- RD 7000/8000 Radio Frequency detector. Detects electromagnetic fields. Used to actively trace metallic pipes and tracer wires, or passively detect electric,communications and other lines.
- Average penetration depth on site was between 2.5'-3'.

Work Performed

Ground Penetrating Radar Systems performed the following work on this project:

Scanning the specified area to locate underground utilities and other significant anomalies. A tracer signal was sent along any accessible metallic utility or tracer wire, and the area was scanned with GPR to locate any additional targets. The locations of any detected utilities and anomalies were marked directly at the site with paint, flags, stakes, or other appropriate means, and results were reviewed with onsite personnel.

- All markings were put on surface with paint, depths included; colors according to OSHA code. Pink-undetermined type of line.

TERMS & CONDITIONS

http://www.gp-radar.com/termsandconditions.html

SIGNATURE

Contact Name	Contact Phone	Contact Email
Paul D'Annibale	518-847-9838	paul.d'annibale@obg.com

Soil Boring and Well Completion Logs

TEST BORING LOG

BORING NO. MW-1D

PROJECT: Former United One-Hour	SHEET 1 OF 3
CLIENT: NYSDEC	JOB NO. 65305.002.016
DRILLING CONTRACTOR: Aztech Technologies, Inc.	MEAS. PT. ELEV. 204.79'
PURPOSE: Soil boring / Monitoring well	GROUND ELEV. 205.0'
DRILLING METHOD: Direct Push/HSA	DATUM Ground Surface
DRILL RIG TYPE: Truck Mounted Probe	DATE STARTED 6-6-17
GROUND WATER DEPTH: 8.50' bmp	DATE FINISHED 6-7-17
MEASURING POINT: TOC	DRILLER Derek Fennell
DATE OF MEASUREMENT: 11-30-17	INSPECTOR Sarah Travaly

	SAMPLE	CORE	CASING
TYPE	MacroCore	NA	NA
DIA.	2.0"	NA	NA
WEIGHT	NA		
FALL	NA		

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
0				ML-CL	Dark brown (10YR 3/3) Clayey SILT, trace Sand Moist, firm-soft, slightly plastic, common rtsaand 0.5'	PID = 0.0 ppm
1				CL-ML subrounded	Strong brown (7.5YR 5/6) Silty CLAY, trace coarse-fine sand, little coarse-fine gravel, moist, med dense 1.0'	
2	1		HC	CH-CL	Strong brown (7.5YR 5/6) to dark brown (10YR 3/3) Silty-CLAY, trace coarse med Sand, little coarse-fine subrounded gravel, moist, med dense dense, highly plastic	PID = 0.0 ppm HS PID = 3.3 ppm @ 2.0'
3					3.0'	
4				CH-CL	Strong brown (7.5YR 5/6) Silty CLAY, trace coarse-med sand, trace fine subrounded gravel, wet, dense-med dense, highly plastic	PID = 0.0 ppm HS PID = 2.4 ppm @ 3.5' Water @ 3.3' bg may be perched ▽
5					5.0'	HS PID = 5.4 ppm @ 5.0'
6	2		5.0' / 2.3'	CL-ML	Strong brown (7.5YR 4/6) CLAY & SILT, occasional fine subrounded gravel, dry, dense, medium plasticity	PID = 0.0 ppm HS PID = 2.9 ppm Very tight No mottling
7						
8						
9						
10				CL-ML	Same as above	

TEST BORING LOG

BORING NO. MW-1D

PROJECT: Former United One-Hour
CLIENT: NYSDEC

SHEET 2 OF 3
JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration / Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
				CL-ML	Same as above	PID=0.0ppm HS PID=1.3ppm
11					11.0'	
12	3		5.0'/5.0'	CL-ML	Same as above with common distinct gray (7.5YR 6/1) and dark yellowish orange (10YR 6/6) mottles	PID=0.0ppm Tight
13						
14					14.0'	
15				ML-CL	Light brownish gray (10YR 6/2) and strong brown (7.5YR 5/6) SILT & CLAY; dry, dense, low plasticity	PID=0.0ppm HS PID=0.6 ppm clay-rich
				ML-CL	Same as above	
					15.6'	
16				ML	Dark gray (7.5YR 4/1) SILT, very little Clay, saturated, dense; no plasticity	PID=0.9ppm HS PID=5.6ppm Saturated tight Sampled @ 0943 SB-1D-15.6-18.0-060713 Collected PFA sample @ 0943
17	4		5.0'/3.4'			
18					18.0'	
				ML	Dark gray (7.5YR 4/1) SILT, very little Clay, dry, dense, no plasticity	PID=0.0ppm HS PID=1.7ppm
19						
20					20.0'	
21	5		5.0'/4.1'	ML	Dark gray (7.5YR 4/1) SILT, very little clay, saturated, dense; no plasticity	PID=0.0ppm HS PID=3.7ppm Saturated
22						

	TEST BORING LOG	BORING NO. MW-1D
PROJECT: Former United One-Hour		SHEET 3 OF 3
CLIENT: NYSDEC		JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
23	5		5.0' / 4.1'	ML	23.2'	
24				ML	Dark gray (7.5YR 4/1) SILT, very little Clay, dry, dense, no plasticity	PID = 0.0 ppm HS PID = 1.3 ppm tight Sampled @ 1005 SB-1D-23.2-25.0-060717
25					25.0'	
26	6		5.0' / 4.0'	ML	Dark gray (7.5YR 4/1) SILT, very little Clay, wet, dense, no plasticity	PID = 0.0 ppm HS PID = 4.9 ppm wet
27				ML?	26.5' Dark gray (7.5YR 4/1) and very dark gray (7.5YR 3/1) weathered Shale, wet	PID = 0.0 ppm HS PID = 6.6 ppm wet weathered Shale ↳ transition zone
28						
29						
30					30.0'	
31					Refusal @ 30.0' bg	
32						
33						
34						

TEST BORING LOG

BORING NO. MW-2D

PROJECT: Former United One-Hour					SHEET 1 OF 3
CLIENT: NYSDEC					JOB NO. 65305.002.016
DRILLING CONTRACTOR: Aztech Technologies, Inc					MEAS. PT. ELEV. 204.96'
PURPOSE: Soil boring / Monitoring well					GROUND ELEV. 205.2'
DRILLING METHOD: Direct Push/HSA		SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: Truck Mounted Probe	TYPE	MacroCore	NA	NA	DATE STARTED 6-6-17
GROUND WATER DEPTH: 8.31' bmp	DIA.	2.00"	NA	NA	DATE FINISHED 6-8-17
MEASURING POINT: TOC	WEIGHT	NA			DRILLER Derek Fennell
DATE OF MEASUREMENT: 11-30-17	FALL	NA			INSPECTOR Sarah Travaly

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
					Asphalt 0.35'	Asphalt (parking lot)
1				SM-GP GPS?	Brown (7.5YR 5/8) coarse-fine Subrounded SAND, and coarse-fine Subangular to Subrounded Gravel, trace Subrounded cobbles, moist, loose 2.0'	Artificial fill material PID=0.0ppm
2	1		HC	SM-GP GPS?	Brown (7.5YR 5/8) coarse-fine Subrounded SAND some coarse-fine Subangular to Subrounded Gravel, little Subrounded cobbles, trace Clay, moist, dense-loose 3.0'	PID=0.0ppm HS PID=1.3ppm Water @ 2.21' bg maybe perched
3				ML-CL	Dark gray (7.5YR 4/1) to grayish olive (10Y 4/2) SILT & CLAY, little coarse Subangular Sand, little coarse-fine Subangular gravel, little Subrounded cobbles, few distinct brown (7.5YR 5/3) mottles, moist-dry, med dense-dense, low to slight plasticity 5.0'	PID=0.0ppm HS PID=1.7ppm very tight Till?
5				ML-CL	Moderate brown (5YR 4/4) Clayey SILT, little fine Sand, common prominent gray (7.5YR 6/1) and dark yellowish orange (10YR 6/6) mottles, dry-moist, dense-med dense, low to slight plasticity 6.5'	PID=0.0ppm HS PID=2.8ppm tight Clay-rich
6			5.0' / 5.0	ML	Brown (7.5YR 5/8) SILT, very little Clay, dry-moist med dense, no plasticity 6.8'	PID=0.0ppm
7	2			ML-CL	Moderate brown (5YR 4/4) Clayey SILT, very little very fine Sand, common prominent gray (7.5YR 6/1) and dark yellowish orange (10YR 6/6) mottles, dry-moist, dense-med dense, low to slight plasticity 8.0'	PID=0.0ppm
8				ML	Brown (7.5YR 5/8) SILT, some very fine sand, saturated, med dense 8.4'	PID=0.0ppm HS PID=3.0ppm Sampled @ 0915 (EDT) SB-2D-8.0-8.4-060817
				ML-CL	Same as 6.8-8.0' 8.8'	PID=0.0ppm
9				ML	Same as 6.5-6.8'	PID=0.0ppm HS PID=2.5ppm
10					10.0'	

	TEST BORING LOG	BORING NO. MW-2D
PROJECT: Former United One-Hour		SHEET 2 OF 3
CLIENT: NYSDEC		JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
11			5.0' / 1.8'	ML	Dark gray (7.5YR 4/1) SILT, very little clay, few prominent strong brown (7.5YR 5/6) mottles, few distinct pale brown (10YR 6/3) mottles near bottom, dry, dense, no plasticity Some fine sand near bottom with the pale brown mottles	PID = 0.0 ppm HS PID = 2.9 ppm Cold to touch - may be some moisture
12	3					
13						
14						
15					15.0'	
15			5.0' / 3.8'	ML	Dark gray (7.5YR 4/1) SILT, very little very fine sand, very little clay, saturated, dense, no plasticity	PID = 0.0 ppm HS PID = 8.1 ppm Saturated Sampled @ 1310 SB-2D-15.0-16.8-060717 Collect PFA sample and duplicate PFA sample
16					16.8'	
17	4			ML	Dark gray (7.5YR 4/1) SILT, very little clay, moist, dense, no plasticity	PID = 0.0 ppm HS PID = 14.0 ppm Sampled @ 1315 SB-2D-16.8-18.1-060717 X-1-060717
18					18.1'	
				ML	Dark gray (7.5YR 4/1) SILT, very little clay, dry, dense, no plasticity	PID = 0.0 ppm
19					18.8'	
20					20.0'	
20				ML-CL	Dark gray (7.5YR 4/1) SILT & CLAY, moist, dense, low plasticity	PID = 0.0 ppm HS PID = 2.1 ppm Clay rich near top
21	5		5.0' / 3.2'		20.6'	
				ML	Dark gray (7.5YR 4/1) SILT, very little clay, wet, dense, no plasticity	PID = 0.0 ppm HS PID = 7.3 ppm Sampled @ 1325 SB-2D-20.6-21.7-060717
22					21.7'	
				ML-CL	Dark gray (7.5YR 4/1) SILT & CLAY, little fine angular gravel, dry, dense, low to slight plasticity	PID = 0.0 ppm Compact

	TEST BORING LOG	BORING NO. MW-2D
PROJECT: Former United One-Hour		SHEET 3 OF 3
CLIENT: NYSDEC		JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration / Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
23	5		5.0' / 3.2'	ML-CL	Same as above	
24						
25					25.0'	
25				ML	Brown (7.5YR 5/8) SILT, some med-fine subrounded sand, little fine subrounded gravel, very little clay, moist-dry, dense-med dense, no plasticity	PID=0.0ppm HS PID=10.5ppm
26					26.0'	
26	6		5.0' / 1.9'	ML	Dark gray (7.5YR 4/1) SILT, some med-fine subrounded sand, little fine subrounded gravel, very little clay, moist-dry, dense-med dense, no plasticity	PID=0.0ppm HS PID=3.5ppm Crushed dark gray (7.5YR 4/1) and very dark gray (7.5YR 3/1) crushed shale pieces in the bottom
27						
28						
29						
30					30.0'	
30	7		3.0' / 1.9'	ML?	Dark gray (7.5YR 4/1) and very dark gray (7.5YR 3/1) weathered Shale, wet, loose-med dense	PID=0.0ppm HS PID=9.0ppm Sampled @ 1405 SB-2D-30.0-31.9-060717
31						
32						
33					33.0'	
33					Refusal @ 33.0' bg	
34						

TEST BORING LOG

BORING NO. SB-3D/MW-35

PROJECT: Former United One-Hour					SHEET 1 OF 2
CLIENT: NYSDEC					JOB NO. 65305.002.016
DRILLING CONTRACTOR: Aztech Technologies, Inc					MEAS. PT. ELEV. 209.41' (MW-35)
PURPOSE: Soil boring / Monitoring well					GROUND ELEV. 209.8' (MW-35)
DRILLING METHOD: Direct Push/HSA		SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: Truck Manted Probe	TYPE	MacroCore	NA	NA	DATE STARTED 06-06-17
GROUND WATER DEPTH: 16.73' bmp (MW-35)	DIA.	2.00"	NA	NA	DATE FINISHED 06-07-17
MEASURING POINT: TOC	WEIGHT	NA			DRILLER Derek Fennell
DATE OF MEASUREMENT: 11-30-17	FALL	NA			INSPECTOR Sarah Travaly

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
					Asphalt 0.3'	Asphalt (parking lot)
1			HC	SM-GP GPS?	Brown (7.5YR 5/8) coarse to fine subrounded SAND, and coarse to fine subangular Gravel, wet, loose 1.0'	PID=0.0 ppm Artificial Fill material
2	1			SM-GP GPS?	Gray (10YR 6/1) SILT, little coarse to fine subangular Gravel, trace subrounded cobbles, trace clay, dry, dense 2.0'	Road mat @ 1.0' bg PID=0.0 ppm Compact
3				SM-GP GPS?	Brown (7.5YR 5/8) coarse-fine SAND, little fine subangular Gravel, trace med subangular gravel, moist, loose 3.0	PID=0.0 ppm HS PID=4.1 ppm
4				SM-GP GPS?	Same as above with trace subrounded cobbles 4.0'	PID=0.0 ppm
5				ML-CL	Dark gray (7.5YR 4/1) Clayey-SILT, trace fine Sand, wet, dense, low to slight plasticity Brown (7.5YR 5/8) faint mottles and trace OM 5.0'	PID=0.0 ppm HS PID=5.0 ppm water @ 4.2' bg may be perched ∇
6			5.0' / 1.0'	CL-ML	Brown (7.5YR 5/8) CLAY & SILT, common distinct gray (10YR 6/1) and light gray (10YR 7/2) mottles, slightly moist, dense, low to slight plasticity	PID=0.0 ppm HS PID=1.4 ppm Cool to the touch
7						
8	2					
9						
10						

TEST BORING LOG

BORING NO. SB-3D/MW-35

PROJECT: Former United One-Hour

SHEET 2 OF 2

CLIENT: NYSDEC

JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
11			5.0'/	CL-ML	Brown (7.5YR 5/8) CLAY & SILT, moist-dry, med dense-dense, low plasticity	PID=0.0 ppm HS PID=7.1 ppm cool to touch Sampled @ 1535 SB-3D-10.0-11.8-060717
					11.8'	
12	3		3.2'	CL-ML	Dark gray (7.5YR 4/1) CLAY & SILT, moist-wet, med-dense-dense, low to slight plasticity	PID=0.0ppm HS PID=5.8ppm Sampled @ 1550 (PFA) SB-3D-11.5-13.2-060717 Collected PFA MS/MSD @ 1550
13						
14						
15					15.0'	
16				ML	Dark brown (10YR 3/3) SILT, little coarse-med subrounded Sand, little fine subrounded gravel, dry-moist, loose-dense	PID=0.0ppm HS PID=6.1ppm Fill?
17	4		5.0'/		17.0'	
18			3.9'	ML	Dark brown (10YR 3/3) SILT, little coarse-med subrounded Sand, little fine subrounded gravel, moist-wet, loose-dense	PID=0.0ppm HS PID=2.9ppm Fill grading to native? Sampled @ 1630 SB-3D-17.0-18.1-060717 Collected MS/MSD @ 1630
19						
20	5		1.0'/	ML	Same as above	
21			1.0'	ML?	Gray (10YR 6/1) Rock flour 20.8' 21.0' very weathered Shale Refusal @ 21.0' bg	
22						

TEST BORING LOG

BORING NO. SB-4S

PROJECT: Former United One-Hour					SHEET 1 OF 4
CLIENT: NYSDEC					JOB NO. 65305.002.016
DRILLING CONTRACTOR: Aztech Technologies, Inc.					MEAS. PT. ELEV. 204.81'
PURPOSE: Soil boring / Monitoring well					GROUND ELEV. 205.1'
DRILLING METHOD: Direct Push/HSA		SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: 6610 DT	TYPE	MacroCore	NA	NA	DATE STARTED 11-21-17
GROUND WATER DEPTH: 7.84' bmp	DIA.	2.00"	NA	NA	DATE FINISHED 11-21-17
MEASURING POINT: TOC	WEIGHT	NA			DRILLER Jeff Morgan
DATE OF MEASUREMENT: 11-30-17	FALL	NA			INSPECTOR Sarah Travaly

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
0				ML-CL	Strong brown (7.5YR 4/6) Clayey SILT, trace Sand, moist, firm-Soft, slightly plastic, common roots and organic matter 0.5'	PID = 0.0 ppm
				CL-ML	Dark brown (10YR 3/3) Silty CLAY, trace fine Sand, moist, firm-Soft, trace rounded gravel 1.0'	HS PID: 0.0 ppm
1				CL-ML	Dark brown (10YR 3/3) Silty CLAY, trace med-fine Sand, trace fine rounded gravel, moist, med dense 2.0'	Pink materials
2	1		HC			
3				CH-CL	Dark brown (10YR 3/3) Silty CLAY, trace coarse-med Sand, trace med-fine subrounded gravel, moist, med dense, highly plastic 4.0'	PID = 0.0 ppm HS PID: 0.0 ppm
4				CH-CL	Strong brown (7.5YR 4/6) Silty CLAY, trace fine Sand, very trace fine gravel, moist, med dense - dense, highly plastic 5.0'	PID = 0.0 ppm HS PID = 0.0 ppm
5				CL-ML	Strong brown (7.5YR 4/6) Silty CLAY, trace fine Sand, moist, dense, occasional lenses of brown silt, low plasticity	PID = 0.0 ppm HS PID = 0.0 ppm SB-4S-5.0-10.0-112117 collected at 1315
6						
7	2		5.0'/4.5'			
8						
9						
10					10.0' Description on next page	

	TEST BORING LOG	BORING NO. SB-4S
PROJECT: Former United One-Hour		SHEET 2 OF 4
CLIENT: NYSDEC		JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration / Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
				ML	Brown (7.5YR 5/4) SILT, moist, medium dense, no plasticity	PID=0.0ppm
11					11.0'	
				CH-CL	Brown (7.5YR 5/4) Silty CLAY, trace fine sand, dry-moist, dense, highly plastic	PID=0.0ppm
					11.5'	
12	3		5.0' / 5.0'	CH-CL	Brown (7.5YR 5/4) Silty CLAY, trace fine Sand, dry-moist, very dense, highly plastic	PID=0.0ppm HS PID=0.5 ppm SB-4S-11.5-13.0-112117 X-1-112117 collected at 1345
					13.0'	
13				CH-CL	Brown (7.5YR 5/4) Silty CLAY, trace fine Sand, dry-moist, dense, highly plastic	PID=0.0ppm
					13.5'	
14				CH-CL	Brown (7.5YR 5/4) Silty CLAY, trace fine Sand, dry-moist, very dense, highly plastic	PID=0.0ppm
					15.0'	
15				CH-CL	Brown (7.5YR 5/4) Silty CLAY, trace fine sand, wet, dense, highly plastic	PID=0.0ppm HS PID=0.2ppm water table @ 15.0'
16					16.5'	
17	4		5.0' / 4.8'	ML	Dark gray (7.5YR 4/1) SILT, very trace very fine Sand, trace Clay, moist, dense, no plasticity	PID=0.0ppm HS PID=0.0ppm Some brown staining SB-4S-16.5-20.0-112117 collected at 1430
18						
19						
					20.0'	
20				CL-ML	Dark gray (7.5YR 4/1) Silty CLAY, very trace very fine Sand, saturated, medium dense, low plasticity	PID=0.0ppm saturated
					21.0'	
21	5		5.0' / 5.0'	ML	Dark gray (7.5YR 4/1) SILT, very trace Clay, moist, dense, no plasticity	PID=0.0ppm
					21.5'	
				ML	Dark gray (7.5YR 4/1) SILT, very trace Clay, saturated, dense, no plasticity	PID=0.0ppm saturated
22					22.0'	
				ML	description on next page	PID=0.0ppm

TEST BORING LOG

BORING NO. SB-45

PROJECT: Former United One-Hour
CLIENT: NYSDEC

SHEET 3 OF 4
JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
23	5		5.0'/5.0'	ML	Dark gray (7.5YR 4/1) SILT, very trace Clay, moist, dense, no plasticity 23.0' Dark gray (7.5YR 4/1) SILT, very trace Clay, saturated, dense, no plasticity 24.5'	PID=0.0ppm HS PID=0.0ppm PID=0.0ppm HS PID=0.0ppm Saturated
24						
25				ML	Dark gray (7.5YR 4/1) SILT, very trace Clay, moist, dense, no plasticity 25.0'	PID=0.0ppm
26	6		5.0'/5.0'	CL-ML	Dark gray (7.5YR 4/1) Silty CLAY, trace very fine Sand, saturated, med dense, highly plastic 26.0'	PID=0.0ppm HS PID=0.0ppm Saturated
27				ML	Dark gray (7.5YR 4/1) SILT, very trace very fine Sand, trace Clay, moist, medium dense, no plasticity	PID=0.0ppm HS PID=0.0ppm
28						
29						
30					 30.0'	
31	7		5.0'/4.0'	ML	Dark gray (7.5 YR 4/1) SILT, very trace very fine Sand, trace Clay, wet, medium dense, no plasticity	PID=0.0ppm HS PID=0.0ppm
32						
33						
34						

	TEST BORING LOG	BORING NO. SB-45
PROJECT: Former United One-Hour		SHEET 4 OF 4
CLIENT: NYSDEC		JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
	7			ML		
35					35.0'	
				CL-ML	Dark gray (7.5YR 4/1) Silty CLAY, trace very fine Sand, saturated, medium dense, Slight plasticity	PID=0.0ppm HS PID=0.0ppm Saturated
36						
			5.0'/			
37	8				37.5'	
			3.5'	SM-GP	Dark gray (7.5YR 4/1) med-fine SAND, little med-fine subangular gravel, moist-wet, med-dense-loose	PID=0.0ppm HS PID=0.0ppm Gravel pieces are black Shale pieces
38						
39						
					40.0'	
40					Refusal @ 40.0' bgs	
41						
42						
43						
44						
45						
46						

TEST BORING LOG

BORING NO. SB-4

PROJECT: Former United One-Hour					SHEET 1 OF 3	
CLIENT: NYSDEC					JOB NO. 65305.002.016	
DRILLING CONTRACTOR: Aztech Technologies, Inc					MEAS. PT. ELEV. —	
PURPOSE: Soil boring / Monitoring well					GROUND ELEV. —	
DRILLING METHOD: Direct Push/HSA		SAMPLE	CORE	CASING	DATUM Ground Surface	
DRILL RIG TYPE: Truck Mounted Probe	TYPE	MacroCore	NA	NA	DATE STARTED 06-09-17	
GROUND WATER DEPTH: 4.4'	DIA.	2.00"	NA	NA	DATE FINISHED 06-09-17	
MEASURING POINT: TOC	WEIGHT	NA			DRILLER Dereck Fennell	
DATE OF MEASUREMENT: 6-9-17	FALL	NA			INSPECTOR Sarah Travaly	

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration	Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
						Asphalt 0.3'	Asphalt
						Black (10YR 2/1) coarse-fine SAND, some fine angular gravel, moist, loose 0.6'	PID = 0.0 ppm Fill
1			5.0'			Dark brown (10YR 3/3) SILT, coarse-fine Sand, little fine subangular gravel, moist, loose-medium dense 1.6'	PID = 0.0 ppm Fill
2	1		3.8'		ML-CL	Light olive brown (5Y 5/6) Clayey-SILT, with common distinct brownish yellow (10YR 6/8) mottles, dry-moist, medium dense, none-slight plasticity 2.3'	PID = 0.0 ppm
						Tree root Black 2.4'	PID = 0.3 ppm HS PID = 4.6 ppm
					CL-ML	Gray (7.5YR 6/1) Silty-CLAY, little med-fine Sand, little fine subrounded gravel, moist-wet, med dense, low plasticity 2.9'	PID = 0.0 ppm Sampled @ 0844 HS PID = 2.6 ppm SB-4-2.4-2.9-060917
3					CL-ML	Gray (7.5YR 6/1) Silty-CLAY, some med-fine Sand, little fine subrounded gravel, moist-wet, medium dense, low plasticity	PID = 0.0 ppm HS PID = 2.4 ppm water at 4.4' may be perched ?
4							
5						5.0'	
					CL-ML	Gray (7.5YR 6/1) Silty-CLAY, little med-fine Sand, wet, medium dense, low plasticity 5.9'	PID = 0.0 ppm HS PID = 3.1 ppm
6					ML-CL	Gray (7.5YR 6/1) Clayey-SILT, little fine Sand, moist-wet, med dense, low plasticity 6.1'	PID = 0.0 ppm HS PID = 1.6 ppm
7			5.0'		ML-CL	Gray (7.5YR 6/1) Clayey-SILT, common distinct brownish yellow (10YR 6/8) mottles, moist-dry, very dense, slight plasticity	PID = 0.0 ppm tight
			4.3'			7.3'	
8	2				CL-ML	Brownish yellow (10YR 6/8) Silty-CLAY, dry-moist, very dense, slight plasticity	PID = 0.0 ppm HS PID = 3.2 ppm Very compact Sampled at 0845 SB-4-7.3-8.0-060917
9							
10						10.0'	

TEST BORING LOG

BORING NO. SB-4

PROJECT: Former United One-Hour

SHEET 2 OF 3

CLIENT: NYSDEC

JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration	Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
					ML	Black (10YR 2/1) SILT and coarse-fine Sand, wet-moist, med dense, no plasticity — 10.4'	PID=0.0ppm
11 35					CL-ML	Dark gray (7.5YR 4/1) Silty CLAY with common distinct gray (7.5YR 6/1), very pale brown (10YR 8/1), and brownish yellow (10YR 6/8) mottles, dry-moist, very dense, low plasticity — 11.3'	PID=0.0ppm Tight
12 36	3		5.0'		ML	Dark brown (10YR 3/3) to brownish yellow (7.5YR 6/8) SILT, very little clay, moist, dense, slight plasticity — 12.3'	PID=0.0ppm
13 37			3.5		ML	Dark brown (10YR 3/3) SILT, very little clay, moist, dense, no plasticity — 12.7'	PID=0.0ppm
14 38					ML	Brown (10YR 5/3) SILT, very little clay, saturated, dense, no plasticity — 14.0'	PID=0.0ppm saturated
15 39					ML	Gray (7.5YR 6/1) SILT, very little clay, wet-moist, dense, slight plasticity — 15.0'	PID=1.3ppm HS PID=2.2ppm
					ML	Dark brown (10YR 3/3) SILT, little very fine Sand, saturated, med-dense-dense, no plasticity — 15.7'	PID=1.0ppm HS PID=2.9ppm Sampled @ 0929 SB-4-15.0-15.7-060917
16 40					ML	Gray (7.5YR 6/1) SILT, little very fine Sand, moist, medium dense-dense	PID=0.0ppm
17 41	4		5.0				
18 42			2.9				
19 43							
20 44							Sampled @ 0945 SB-4-20.0-20.4-060917
					ML	Gray (7.5YR 6/1) SILT, little very fine Sand, saturated, dense, no plasticity — 20.0' to 20.4'	PID=0.0ppm HS PID=2.9ppm
21 45			5.0'		ML-CL	Gray (7.5YR 6/1) Clayey-SILT, moist-dry, dense, slight plasticity — 21.5'	PID=0.0ppm
	5		3.6'				
22 46					CH	Gray (7.5YR 6/1) Silty-CLAY, very soft, highly plastic — 21.7'	PID=0.0ppm highly plastic
					ML-CL	Same as 20.4-21.5'	PID=0.0ppm
					CH	Same as 21.5-21.7' — 22.1'	PID=0.0ppm highly plastic

TEST BORING LOG

BORING NO. SB-4

PROJECT: Former United One-Hour

SHEET 3 OF 3

CLIENT: NYSDEC

JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration / Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
				CL-ML	Dark gray (7.5YR 4/1) Silty-CLAY, moist, soft, high plasticity	PID = 0.0ppm
					22.6'	
23	5		5.0' / 3.6'	ML	Gray (7.5YR 6/1) SILT, very little very fine Sand, moist-wet, dense, no plasticity	PID = 0.0ppm HS PID = 2.4ppm
24						
25					25.0'	
				ML	Gray (7.5YR 6/1) SILT, little very fine Sand, saturated, medium dense, no plasticity	PID = 0.0ppm HS PID = 2.8ppm
					25.5'	
26				ML	Dark gray (7.5YR 4/1) to Dark brown (10YR 3/3) SILT, some coarse-medium subangular Sand, little subangular fine gravel, moist-wet, med dense - loose, very little Clay	PID = 0.0ppm
			5.0' / 3.8'		26.5'	
				ML	Dark brown (10YR 3/3) SILT, some coarse-med subangular Sand, some very pale brown (10YR 7/3) fine sand, trace fine angular gravel, moist-wet, loose med dense 27.0'	PID = 0.0ppm HS PID = 3.1ppm Sampled @ 1006 SB-4-26.5-27.0-060917
27					Gray (7.5YR 6/1) Rock Flour	Cobble
					27.3'	
	6			ML	Same as 26.5-27.0'	PID = 0.0ppm HS = 3.0ppm
28					Some shale chips near bottom	
					28.2'	
				ML	Dark gray (7.5YR 4/1) SILT, little coarse-med angular Sand, some very pale brown (10YR 7/3) fine Sand, wet, dense to very dense	PID = 0.0ppm HS PID = 1.9ppm
29					Some shale chips near bottom	Compact Shale chips
30						
	7		1.4' / 1.4'	ML	Same as above	
31					Gray (7.5YR 6/1) Rock Flour	PID = 0.0ppm Weathered Shale
					31.4'	
					Refusal @ 31.4' bg	
32						
33						
34						

TEST BORING LOG

BORING NO. SB-5

PROJECT: Former United One-Hour					SHEET 1 OF 4
CLIENT: NYSDEC					JOB NO. 65305.002.016
DRILLING CONTRACTOR: Aztech Technologies, Inc					MEAS. PT. ELEV. —
PURPOSE: Soil boring / Monitoring well					GROUND ELEV. —
DRILLING METHOD: Direct Push/HSA		SAMPLE	CORE	CASING	DATUM Ground Surface
DRILL RIG TYPE: 6610 DT	TYPE	MacroCore	NA	NA	DATE STARTED 11-21-17
GROUND WATER DEPTH: 7.3'	DIA.	2.00"	NA	NA	DATE FINISHED 11-21-17
MEASURING POINT: TOC	WEIGHT	NA			DRILLER Jeff Morgan
DATE OF MEASUREMENT: 11-21-17	FALL	NA			INSPECTOR Sarah Travaly

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration	Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
					ML-CL	Strong brown (7.5YR 4/6) clayey SILT, trace fine sand, dry, soft, common roots and OM 0.5'	PID=0.0ppm HS PID=0.0ppm Broken glass shards
					ML-CL	Strong brown (7.5YR 4/6) clayey SILT, trace fine sand, dry, soft, slightly plastic, common roots and OM 1.0'	PID=0.0ppm
1						Strong brown (7.5YR 4/6) Silty SAND, fine-very fine sand, trace subrounded med-fine gravel, trace roots moist, med dense	PID=0.0ppm HS PID=0.0ppm
2	1		HC			2.5'	Large cobble @ 2.5'
3					CL-ML	Dark gray (7.5YR 4/1) Silty CLAY, trace med-fine sand, little med-fine subrounded gravel, moist, med-dense, medium plasticity 4.0'	PID=0.0ppm HS PID=0.0ppm
4					CL-ML	Strong brown (7.5YR 4/6) Silty CLAY with dark yellowish orange (10YR 6/6) and distinct gray (7.5YR 6/1) color mottles, trace med-fine sand, trace med-fine subrounded gravel, moist, dense, slightly plastic 5.0'	PID=0.0ppm Some black OM orange/tan mottling very dense
5					CL-ML	Strong brown (7.5YR 4/6) Silty CLAY with common distinct gray (7.5YR 6/1) color mottles, trace fine sand, moist, very dense, slightly plastic	PID=0.0ppm HS PID=0.0ppm very tight
6							
7			5.0' / 4.8'			7.3'	Water table @ 7.3'
8	2				ML	Strong brown (7.5YR 4/6) SILT, trace very fine sand, trace clay, wet, med dense, very slightly plastic 8.1'	PID=0.1ppm HS PID=0.0ppm SB-5-7.3-8.1-112117 Also collected at 1000 MS/MSD
9					CL-ML	Strong brown (7.5YR 4/6) Silty CLAY with common distinct gray (7.5YR 6/1) color mottles, trace fine sand, moist very dense, slightly plastic 9.0'	PID=0.0ppm
					CL-ML	Strong brown (7.5YR 4/6) Silty CLAY, trace fine sand, wet, very dense, slightly plastic 9.3'	PID=0.0ppm
10					CL-ML	Strong brown (7.5YR 4/6) Silty CLAY, trace fine sand, moist-dry, dense, slightly plastic 10.0'	PID=0.0ppm
						Description on next page	

TEST BORING LOG

BORING NO. SB-5

PROJECT: Former United One-Hour

SHEET 2 OF 4

CLIENT: NYSDEC

JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration / Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
				CL-ML	Dark gray (7.5YR 4/1) Silty CLAY, very trace very fine Sand, moist-wet, dense, no plasticity 10.5'	PID=0.4 ppm HS PID=11.8ppm SB-5-10.0-10.5-112117 collected at 1015
11				ML	Strong brown (7.5YR 4/6) SILT, trace very fine Sand, trace Clay, saturated, dense 11.5'	PID=0.0ppm HS PID=0.1 ppm Saturated
12	3		5.0' / 4.1'	CL-ML	Strong brown (7.5 YR 4/6) Silty CLAY with common distinct gray (7.5YR 4/1) color mottles, trace fine Sand, dry, very dense, slightly plastic	PID=0.0ppm SB-5-11.5-13.5-112117 Collected at 1100
13					13.5'	
14				CH-CL	Dark gray (7.5YR 4/1) Silty CLAY, very trace very fine Sand, moist, highly plastic 15.0'	PID=0.0ppm
15				ML	Dark gray (7.5YR 4/1) SILT, trace very fine Sand, trace Clay, moist, very dense 16.0'	PID=0.0ppm
16				CL-ML	Dark brown (7.5YR 3/2) Silty CLAY, very trace very fine Sand, saturated, med dense, slight plasticity 17.0'	PID=0.7ppm HS PID=3.1 ppm saturated
17	4		5.0' / 4.5'	ML	Dark gray (7.5YR 4/1) SILT, very trace very fine Sand, trace Clay, moist-dry, medium dense	PID=0.0ppm HS PID=0.0ppm
18						
19						
20					20.0'	
21	5		5.0' / 4.8'	CH-CL	Dark gray (7.5YR 4/1) Silty CLAY, very trace very fine Sand, moist-wet, med dense, highly plastic	PID=0.0ppm HS PID=0.0ppm
22					22.0'	
					Description on next page	

TEST BORING LOG

BORING NO. SB-5

PROJECT: Former United One-Hour
CLIENT: NYSDEC

SHEET 3 OF 4
JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classification	GEOLOGIC DESCRIPTION	REMARKS
23	5		5.0'/4.8'	ML	Dark gray (7.5 YR 4/1) SILT, very trace very fine Sand, trace Clay, Saturated, med dense, no plasticity	PID=0.0ppm HS PID=0.0ppm Saturated
24						
25					25.0'	
25	6		5.0'/2.5'	ML	Same as above	PID=0.0 ppm HS PID=0.0ppm
26						
27					27.5'	
28				ML	Same as above, with Shale rock pieces present	PID=0.0ppm
29						
30					30.0'	
30	7		5.0'/2.5'	ML-CL	Dark brown (7.5YR 3/2) Clayey SILT and med-fine Subangular Gravel, moist-dry, med dense-loose	PID=0.0ppm HS PID=0.0ppm Gravel pieces are black
31						
32					32.5'	
33				ML-CL		PID=0.0ppm
34						

TEST BORING LOG

BORING NO. SB-5

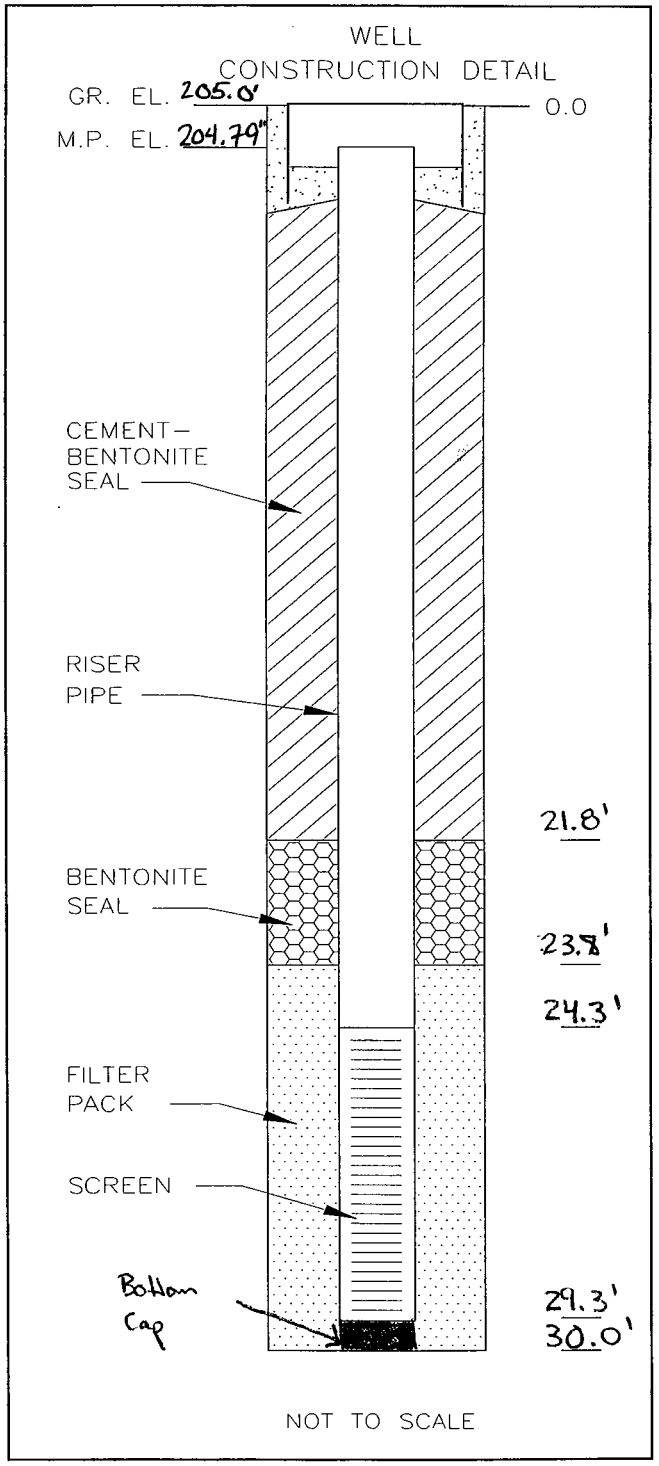
PROJECT: Former United One-Hour
SHEET 4 OF 4
CLIENT: NYSDEC
JOB NO. 65305.002.016

Depth Ft.	Sample Number	Blows on Sample Spoon per 6"	Penetration Recovery	Unified Classi-fication	GEOLOGIC DESCRIPTION	REMARKS
	7			ML-CL		
35					35.0'	
				ML-CL	Same as above with shale chips throughout, especially near bottom	PID=0.0ppm
36			5.0'/			
37	8		2.5'			
38						
39						
40					40.0'	
			2.0'/	ML-CL	Same as above	PID=0.0ppm
41	9		2.0'			
42					42.0'	
					Refusal @ 42.0 bgs	
43						
44						
45						
46						

WELL COMPLETION LOG

Well ID: MW-1D

Project:	Former United One-Hour	**Client:**	NYSDEC
Location:	Rennselaer, NY	**Date Drilled:**	06/09/17
Project No.:	65305.002.016	**Date Developed:**	06/16/17



Inspection Notes:

Inspector: R. Hornung
Drilling Contractor: Aztech Technologies, Inc.
Type of Well: Monitoring well

Static Water Level (ft bmp): 8.50' Date: 11/30/17
Measuring Point: Top of PVC
Total Depth of Well (ft bmp): 26.43'

Drilling Method - Overburden:

Type: HSA Diameter: 4.25"
Casing: NA

Sampling Method - Overburden:

Type: Macro-core Diameter: 2" OD
Weight: NA Fall: NA
Interval: Continuous

Riser Pipe Left in Place:

Material: Sch 40 PVC Diameter: 2" ID
Length: 24.3' Joint Type: Flush Thread

Screen:

Material: Sch 40 PVC Diameter: 2" ID
Slot Size: 0.010 Joint Type: Flush Thread

Filter Pack:

Type: Sand Grade: Morie #1
Interval: 23.8'-30.0'

Seal(s):

Type: Cement-Bentonite Interval: 0.0'-21.8'
Type: Bentonite Pellets Interval: 21.8'-23.8'
Type: NA Interval: NA

Locking Casing: [X] Yes [ ] No

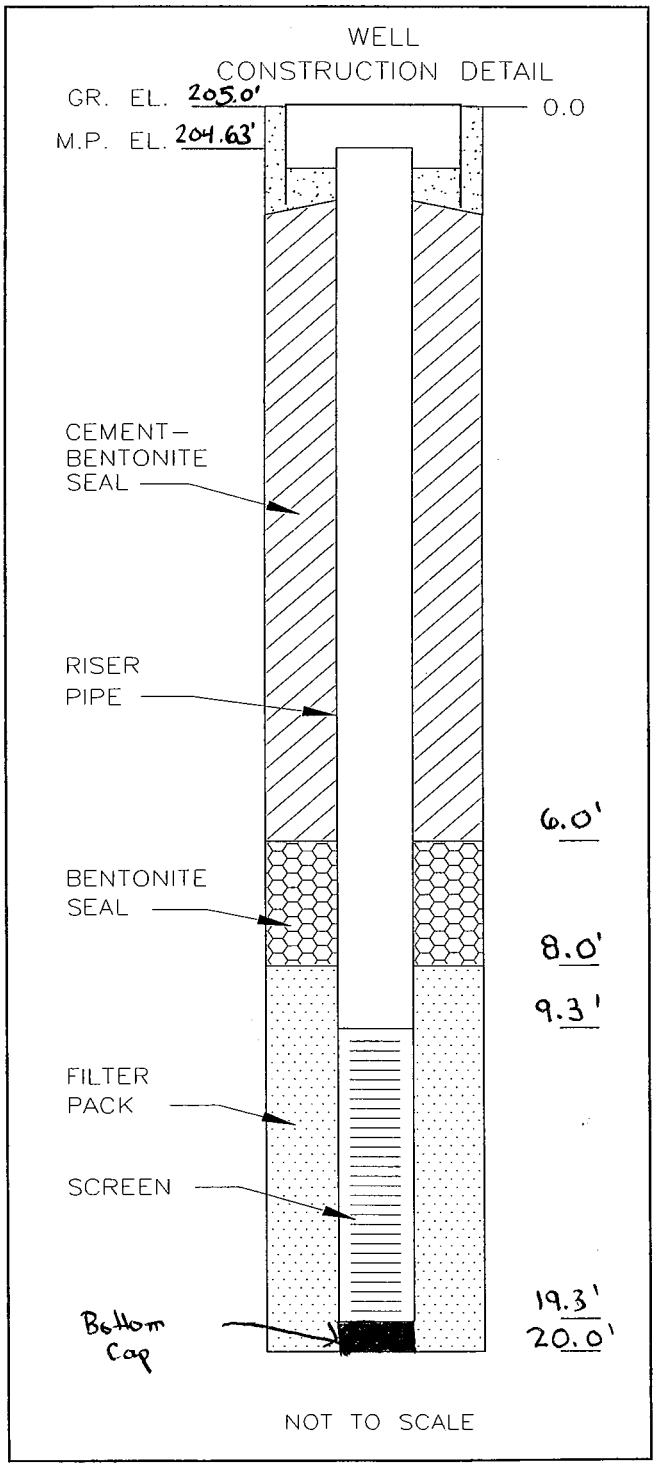
O'BRIEN & GERE

Form 004A

WELL COMPLETION LOG

Well ID: MW-15

Project:	Former United One-Hour	**Client:**	NYSDEC
Location:	Rennselaer, NY	**Date Drilled:**	06/09/17
Project No.:	65305.002.016	**Date Developed:**	06/15/17; 06/19/17



Inspection Notes:

Inspector: R. Harang, S. Travaly
Drilling Contractor: Aztech Technologies, Inc.
Type of Well: Monitoring well

Static Water Level (ft bmp): 6.70' Date: 11/30/17
Measuring Point: Top of PVC
Total Depth of Well (ft bmp): 19.59'

Drilling Method - Overburden:

Type: HSA Diameter: 4.25"
Casing: NA

Sampling Method - Overburden:

Type: Macro-core Diameter: 2" OD
Weight: NA Fall: NA
Interval: Continuous

Riser Pipe Left in Place:

Material: Sch 40 PVC Diameter: 2" ID
Length: 9.3' Joint Type: Flush Thread

Screen:

Material: Sch 40 PVC Diameter: 2" ID
Slot Size: 0.010 Joint Type: Flush Thread

Filter Pack:

Type: Sand Grade: Morie #1
Interval: 8.0' - 20.0'

Seal(s):

Type: Cement-Bentonite Interval: 0.0' - 6.0'
Type: Bentonite Pellets Interval: 6.0' - 8.0'
Type: NA Interval: NA

Locking Casing: [X] Yes [ ] No

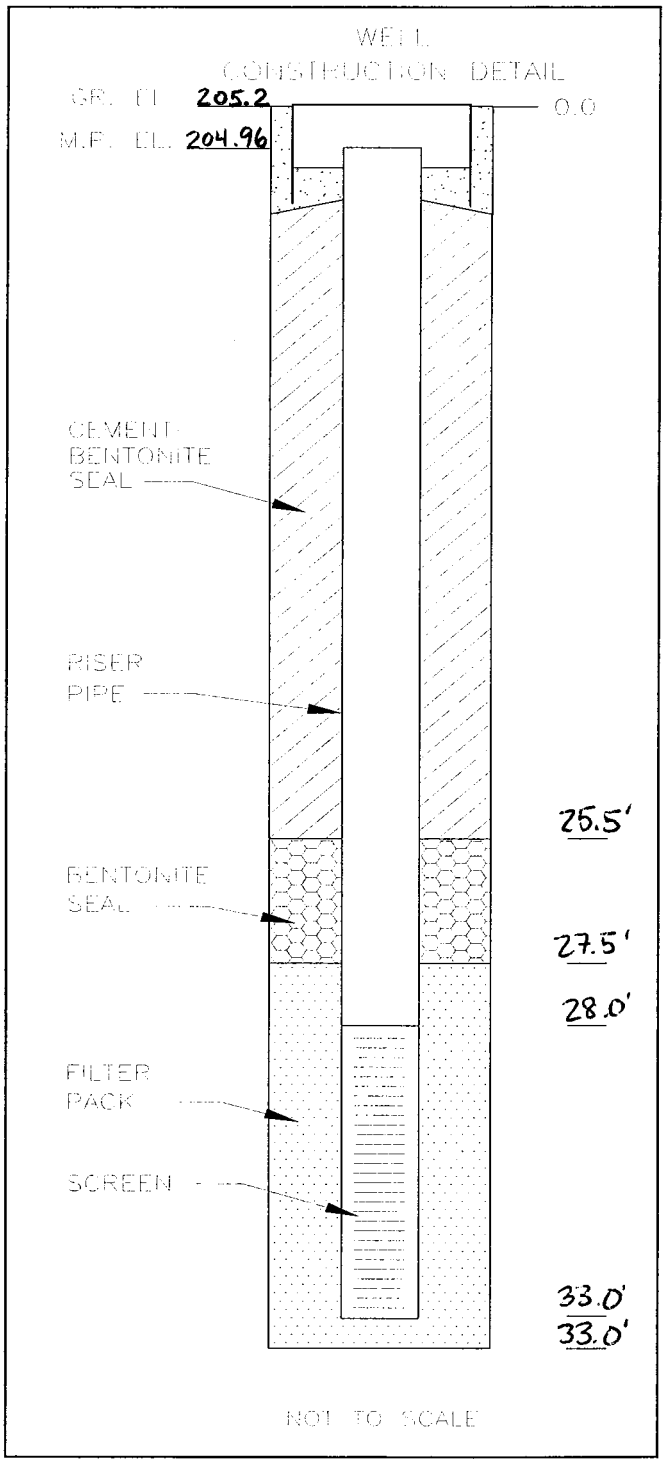
O'BRIEN & GERE

Form 004A

WELL COMPLETION LOG

Well ID: MW-2D

Project:	Former United One-Hour	**Client:**	NYSDEC
Location:	Rennselaer, NY	**Date Drilled:**	6-6-17 - 6-8-17
Project No.:	65305.002.016	**Date Developed:**	06/16/17



Inspection Notes:

Inspector: Sarah Travaly
Drilling Contractor: Aztech Technologies, Inc.
Type of Well: Monitoring well

Static Water Level (ft bmp): 8.31' Date: 11/30/17
Measuring Point: Top of PVC
Total Depth of Well (ft bmp): 30.85'

Drilling Method - Overburden:

Type: HSA Diameter: 4.25"
Casing: NA

Sampling Method - Overburden:

Type: Macro-core Diameter: 2" OD
Weight: NA Fall: NA
Interval: Continuous

Riser Pipe Left in Place:

Material: Sch 40 PVC Diameter: 2" ID
Length: 28.0' Joint Type: Flush Thread

Screen:

Material: Sch 40 PVC Diameter: 2" ID
Slot Size: 0.010 Joint Type: Flush Thread

Filter Pack:

Type: Sand Grade: Morie #1
Interval: 27.5-33.0'

Seal(s):

Type: Cement-Bentonite Interval: 0.0 - 25.5'
Type: Bentonite Pellets Interval: 25.5 - 27.5'
Type: NA Interval: NA

Locking Casing: [X] Yes [ ] No

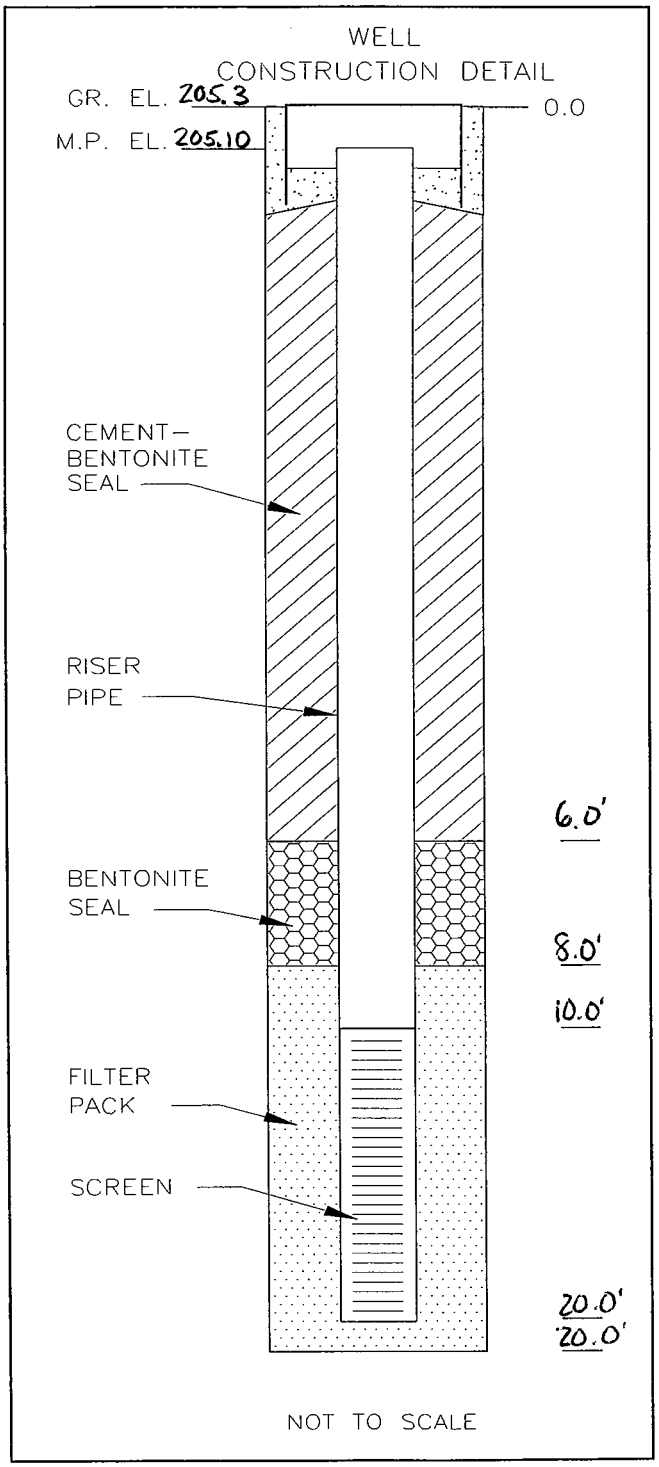
O'BRIEN & GERE

Form 004A

WELL COMPLETION LOG

Well ID: MW-25

Project:	Former United One-Hour	**Client:**	NYSDEC
Location:	Rennselaer, NY	**Date Drilled:**	6-6-17 - 6-8-17
Project No.:	65305.002.016	**Date Developed:**	06/16/17



Inspection Notes:

Inspector: Sarah Travaly
Drilling Contractor: Aztech Technologies, Inc.
Type of Well: Monitoring well

Static Water Level (ft bmp): 7.00' Date: 11/30/17
Measuring Point: Top of PVC
Total Depth of Well (ft bmp): 19.50'

Drilling Method - Overburden:

Type: HSA Diameter: 4.25"
Casing: NA

Sampling Method - Overburden:

Type: Macro-core Diameter: 2" OD
Weight: NA Fall: NA
Interval: Continuous

Riser Pipe Left in Place:

Material: Sch 40 PVC Diameter: 2" ID
Length: 10.0' Joint Type: Flush Thread

Screen:

Material: Sch 40 PVC Diameter: 2" ID
Slot Size: 0.010 Joint Type: Flush Thread

Filter Pack:

Type: Sand Grade: Morie #1
Interval: 8.0' - 20.0'

Seal(s):

Type: Cement-Bentonite Interval: 0.0'-6.0'
Type: Bentonite Pellets Interval: 6.0'-8.0'
Type: NA Interval: NA

Locking Casing: [X] Yes [ ] No

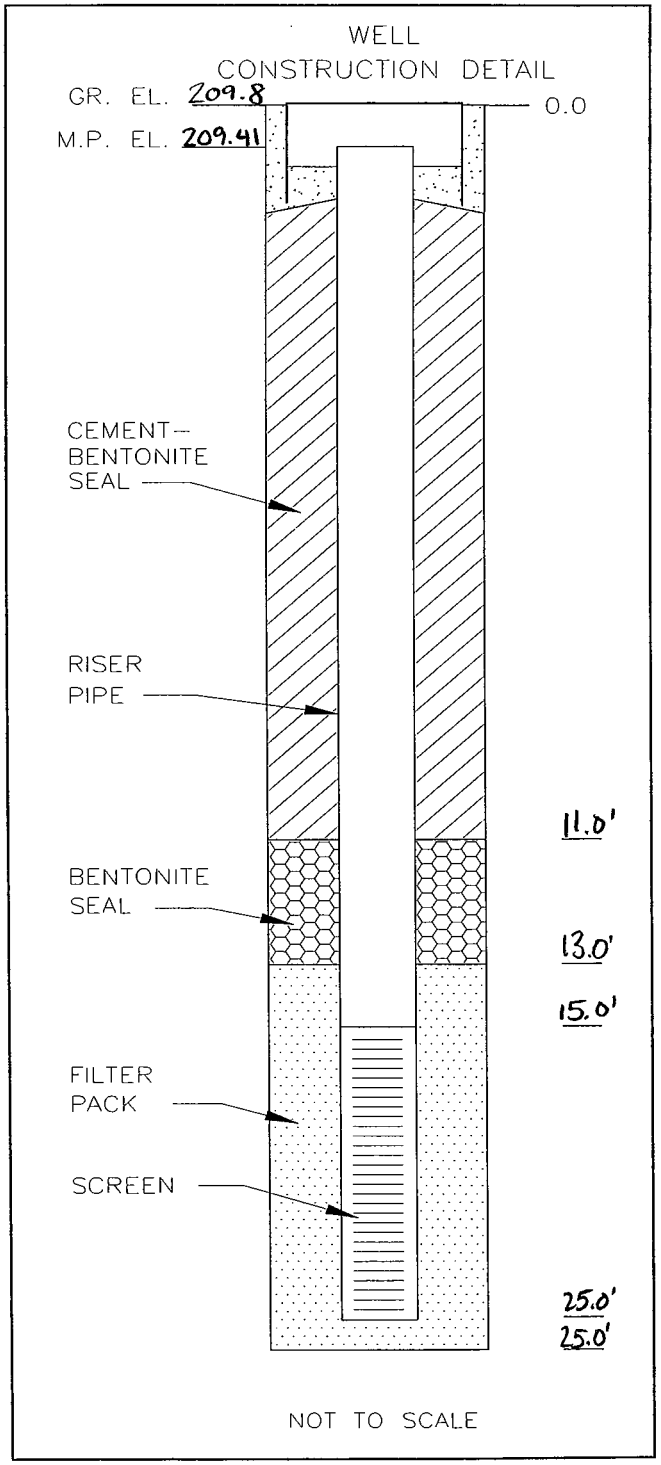
O'BRIEN & GERE

Form 004A

WELL COMPLETION LOG

Well ID: MW-3S

Project:	Former United One-Hour	**Client:**	NYSDEC
Location:	Rennselaer, NY	**Date Drilled:**	06-06-17 - 06-12-17
Project No.:	65305.002.016	**Date Developed:**	06/19/17



Inspection Notes:

Inspector: Sarah Travaly
Drilling Contractor: Aztech Technologies, Inc.
Type of Well: Monitoring well

Static Water Level (ft bmp): 10.73' Date: 11/30/17
Measuring Point: Top of PVC
Total Depth of Well (ft bmp): 25.13'

Drilling Method - Overburden:

Type: HSA Diameter: 4.25"
Casing: NA

Sampling Method - Overburden:

Type: Macro-core Diameter: 2" OD
Weight: NA Fall: NA
Interval: Continuous

Riser Pipe Left in Place:

Material: Sch 40 PVC Diameter: 2" ID
Length: 15.0' Joint Type: Flush Thread

Screen:

Material: Sch 40 PVC Diameter: 2" ID
Slot Size: 0.010 Joint Type: Flush Thread

Filter Pack:

Type: Sand Grade: Morie #1
Interval: 13.0' - 25.0'

Seal(s):

Type: Cement-Bentonite Interval: 0.0' - 11.0'
Type: Bentonite Pellets Interval: 11.0' - 13.0'
Type: NA Interval: NA

Locking Casing: [X] Yes [ ] No

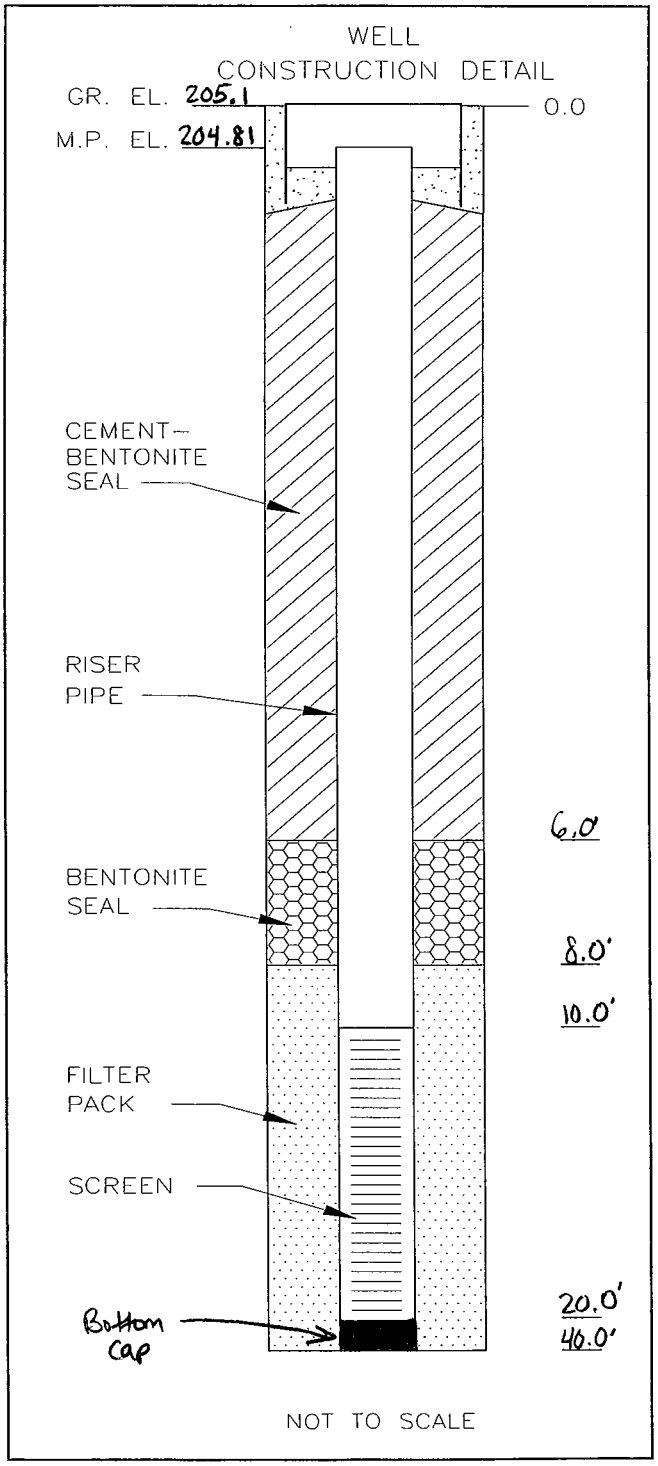
O'BRIEN & GERE

Form 004A

WELL COMPLETION LOG

Well ID: MW-4S

Project:	Former United One-Hour	**Client:**	NYSDEC
Location:	Rennselaer, NY	**Date Drilled:**	11-21-17
Project No.:	65305.002.016	**Date Developed:**	11-28-17, 11-29-17



Inspection Notes:

Inspector: Sarah Travaly
Drilling Contractor: Aztech Technologies, Inc.
Type of Well: Monitoring well

Static Water Level (ft bmp): 7.84' Date: 11/30/17
Measuring Point: Top of PVC
Total Depth of Well (ft bmp): 19.28'

Drilling Method - Overburden:

Type: HSA Diameter: 4.25"
Casing: NA

Sampling Method - Overburden:

Type: Macro-core Diameter: 2" OD
Weight: NA Fall: NA
Interval: Continuous

Riser Pipe Left in Place:

Material: Sch 40 PVC Diameter: 2" ID
Length: 10.0' Joint Type: Flush Thread

Screen:

Material: Sch 40 PVC Diameter: 2" ID
Slot Size: 0.010 Joint Type: Flush Thread

Filter Pack:

Type: Sand Grade: Morie #1
Interval: 8.0' - 20.0'

Seal(s):

Type: Cement-Bentonite Interval: 0.0' - 6.0'
Type: Bentonite Pellets Interval: 6.0' - 8.0'
Type: NA Interval: NA

Locking Casing: [X] Yes [ ] No

O'BRIEN & GERE

Form 004A

Monitoring Well Development Logs

Ground Water Well Development Log

Date	06-15-17	Personnel	S. Travaly	Weather	±60s, rain
Site Name	United Tank	Pump/Controller ID#	—	Well #	MW-1D
Site Location	East Greenbush	Development Method	Bailer	Project #	65305

Monitoring Equip. Used (include ID#): LaMotte (EA01463) YSI (EA02991)

Well information:

Depth of Well (initial)	25.00 ft.	Diameter of Well	2.0 in.		
Depth of Well (final)	26.43 ft.	Depth to Water (final)	6.32 ft.		
Depth to Water (initial)	6.44 ft.				
Length of Water Column	18.56 ft.				

* Measurements taken from

X	Top of Casing
	(Other, Specify)

Start Purge Time: 0915

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (uS/cm)	Turbidity (NTU)	Total Volume of Water Purged	Flow Rate (ml/min)
0	6.44	14.7	7.97	1.45	NM	Start Values	—
15	—	14.1	7.38	1.37	NM	3.02	—
26	—	14.3	6.96	1.32	NM	6.04	—
36	—	14.4	6.86	1.37	NM	9.06	—
53	—	14.5	6.86	1.40	NM	12.08	—
56	—	14.3	6.79	1.40	NM	15.10	—
64	—	14.5	6.86	1.41	NM	18.12	—
72	—	14.5	6.89	1.41	NM	21.14	—
85	—	14.4	6.83	1.42	NM	24.16	—
90	—	14.3	6.89	1.41	NM	27.18	—
97	26.43	14.5	6.87	1.42	NM	30.20	—

End development time: 1053

Total volume of water removed: ~30 gallons

Development Water Characteristics:

Physical appearance at start of development

Color	clear-gray
Odor	none
Sheen/Free Product	none

Physical appearance at end of development

Color	gray
Odor	none
Sheen/Free Product	none

Development Water Disposal Method: 55 gallon drum

1 WV = 3.02 gallons

Ground Water Well Development Log

Date 06-15-17 Personnel Sarah Travaly Weather ±80, Sunny
Site Name Unit 1-Hr Pump/Controller ID# — Well # MW-1S
Site Location East Greenbush Development Method Bailer Project # 65305
Monitoring Equip. Used (include ID#): LaMotte (EA01463), YSI (FA02991)

Well information:

						* Measurements taken from	
Depth of Well (initial)	17.27 ft.	19.53 (6-19-17)	Diameter of Well	2.0	in. 6-19-17	X	Top of Casing
Depth of Well (final)	19.51 ft.	19.59	Depth to Water (final)	18.50	ft. 13.60		(Other, Specify)
Depth to Water (initial)	4.15 ft.	5.39					
Length of Water Column	13.12 ft.						

Start Purge Time: 1500 *indicate units*

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Total Volume of Water Purged	Flow Rate (ml/min)
0	4.15	15.5	7.48	1.00	NM	Start Values	—
5	—	15.6	7.36	1.00	NM	2.1	—
10	—	15.2	7.35	-0.99	NM	4.2	—
16	—	14.5	7.30	1.10	NM	6.3	—
22	—	14.5	7.24	1.07	NM	8.4	—
32	—	14.5	7.08	1.17	NM	10.5	—
46	—	14.8	7.19	1.16	NM	12.6	—
61	—	14.6	7.39	1.15	NM	14.7	—
—	—	15.8	7.04	1.67	NM	21.0	—

End development time: 1601

Total volume of water removed: (ST) ~~~15 gallons~~ 6-19-17 ~20 gallons

Development Water Characteristics:

Physical appearance at start of development
Color (ST) ~~Grey~~ Gray
Odor 6/15/17 none
Sheen/Free Product none

Physical appearance at end of development
Color Gray
Odor none
Sheen/Free Product none

Development Water Disposal Method: 55 gallon drum

1 WV = 2.1

Ground Water Well Development Log

Date 06-16-17 Personnel S. Travaly Weather ±60s rain

Site Name United 1-Hr Pump/Controller ID# — Well # MW-2D

Site Location East Greenbush Development Method Bailer Project # 65305

Monitoring Equip. Used (include ID#): LaMotte (FA01463), YSI (FA02991)

Well information:

Depth of Well (initial) 30.80 ft. Diameter of Well 2.0 in.

Depth of Well (final) 30.85 ft. Depth to Water (final) 6.22 ft.

Depth to Water (initial) 5.20 ft.

Length of Water Column 25.6 ft.

* Measurements taken from

X	Top of Casing
	(Other, Specify)

Start Purge Time: 1200 *indicate units*

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Total Volume of Water Purged	Flow Rate (ml/min)
0	5.20	15.6	6.75	1.58	158	Start Values	—
47	—	15.3	6.80	1.48	2833 AV	20.6	—
140	—	15.4	6.85	1.46	NM	(S) ~~40~~ 41.2 6-16-17	—

End development time: 1420 Total volume of water removed: ~41 gallons

Development Water Characteristics:

Physical appearance at start of development

Color brown

Odor none

Sheen/Free Product none

Physical appearance at end of development

Color brown-gray

Odor none-slight

Sheen/Free Product none

Development Water Disposal Method: 55 gallon drum

IVW = 4.12

Ground Water Well Development Log

Date: 06-16-17 | Personnel: S. Travaly | Weather: ±60s, rain
Site Name: United 1-Hr | Pump/Controller ID#: — | Well #: MW-2S
Site Location: East Greenbush | Development Method: Bailer | Project #: 65305
Monitoring Equip. Used (include ID#): LaMotte(FA01463) YSI(FA02991)

Well information:

Depth of Well (initial): 19.43 ft.
Depth of Well (final): 19.50 ft.
Depth to Water (initial): 5.69 ft.
Length of Water Column: 13.74 ft.
Diameter of Well: 2.0 in.
Depth to Water (final): 17.65 ft.

* Measurements taken from
[X] Top of Casing
[ ] (Other, Specify)

Start Purge Time: 1125 *indicate units*

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (uS/cm)	Turbidity (NTU)	Total Volume of Water Purged	Flow Rate (ml/min)
0	5.69	17.1	7.49	0.35	77	Start Values	—
35	—	15.0	7.48	1.24	NM	11.15	—
202	—	14.8	7.25	1.30	NM	22.30	—

End development time: 1427
Total volume of water removed: ~22 gallons

Development Water Characteristics:

Physical appearance at start of development
Color: Light brown
Odor: none
Sheen/Free Product: none

Physical appearance at end of development
Color: light brown
Odor: none-slight
Sheen/Free Product: none

Development Water Disposal Method: 55 gallon drum

1 VV = 2.23

Ground Water Well Development Log

Date	06-19-17	Personnel	S. Travaly	Weather	±70s, rain
Site Name	United 1-Hr	Pump/Controller ID#	—	Well #	MW-35
Site Location	East Greenbush	Development Method	Bailer	Project #	65305

Monitoring Equip. Used (include ID#): LaMotte (FA01463) YSI (FA02991)

Well information:

Depth of Well (initial)	25.18 ft.	Diameter of Well	2.0 in.	* Measurements taken from	
Depth of Well (final)	25.13 ft.	Depth to Water (final)	4.45 ft.	X	Top of Casing
Depth to Water (initial)	4.30 ft.				(Other, Specify)
Length of Water Column	20.83 ft.				

Start Purge Time: 0808 *indicate units*

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Total Volume of Water Purged	Flow Rate (ml/min)
0	4.30	19.0	6.68	1.45	63.2	Start Values	—
32	—	15.3	6.60	1.47	1955 AV	17.0	—
135	—	15.1	6.85	1.49	1012 AV	34.0	—
	—						—

End development time: 1023 Total volume of water removed: ~34 gallons

Development Water Characteristics:

Physical appearance at start of development

Color: clear-gray
Odor: none
Sheen/Free Product: none

Physical appearance at end of development

Color: gray
Odor: none
Sheen/Free Product: none

Development Water Disposal Method: 55 gallon drum

1 WV = 3.40 gallons

Ground Water Well Development Log

Date: 11-28-17, 11-29-17 | Personnel: S. Travaly | Weather: ±20, Sunny
Site Name: United 1-hour | Pump/Controller ID#: NA | Well #: MW-45
Site Location: Rensselaer | Development Method: Bailer | Project #: 65305
Monitoring Equip. Used (include ID#): Smartroll: FA01139, Lamotte 2020we: FA02102, WL meter: FA01789, PID: FA01721

Well information:

Depth of Well (initial)	19.16 ft.	Diameter of Well	2.00 in.	* Measurements taken from	
Depth of Well (final)	19.28 ft.	Depth to Water (final)	17.90 ft.	✓	Top of Casing
Depth to Water (initial)	7.55 ft.				(Other, Specify)
Length of Water Column	11.61 ft.				

Start Purge Time: 1000 *indicate units*

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Gallons Total Volume of Water Purged	Flow Rate (ml/min)	PID (ppm)
0	7.55	14.55	7.25	1.38	679	Start Values	—	0.0
13	—	15.06	7.35	1.44	794	2	—	0.0
18	—	15.32	7.36	1.45	838	4	—	0.0
24	—	14.41	7.42	1.48	2553	6	—	0.0
31	—	14.06	7.41	1.43	NM	8	—	0.0
11-27-17 0830 52	—	13.08	7.56	1.46	NM	10	—	0.0
6	—	15.25	7.30	1.56	1412	12	—	0.0
12	—	15.36	7.29	1.57	NM	14	—	0.0
18	—	15.09	7.25	1.54	NM	16	—	0.0
26	—	14.56	7.30	1.52	NM	18	—	0.0
42	—	13.96	7.57	1.53	NM	19	—	0.0

End development time: 0912 on 11-29-17 Total volume of water removed: ~19.0 gallons

Development Water Characteristics:

Physical appearance at start of development
Color: Clear
Odor: None
Sheen/Free Product: None

Physical appearance at end of development
Color: Gray
Odor: None
Sheen/Free Product: None

Development Water Disposal Method: 55 gallon drum

1 wv = 1.89 gallons

Ground Water Well Development Log

Date	06-15-17	Personnel	Sarah Travaly	Weather	±60s, Sunny
Site Name	United 1-Hr	Pump/Controller ID#	FA00138	Well #	K-16
Site Location	East Greenbush	Development Method	Peristaltic Pump	Project #	653305

Monitoring Equip. Used (include ID#): LaMotte FA01463, YSI FA02941

Well information:

Depth of Well (initial)	16.00 ft.	Diameter of Well	1.0 in.	* Measurements taken from	
Depth of Well (final)	19.35 ft.	Depth to Water (final)	6.54 ft.	X	Top of Casing
Depth to Water (initial)	2.40 ft.				(Other, Specify)
Length of Water Column	13.60 ft.				

Start Purge Time: 0900

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (-µS-)	Turbidity (NTU)	Total Volume of Water Purged	Flow Rate (ml/min)
0	2.40	19.4	7.93	0.006	NM	Start Values	—
25	—	15.8	7.50	0.73	NM	0.56	—
38	—	16.1	8.01	0.033	NM	1.12	—
63	—	18.5	7.59	0.82	NM	1.68	—
90	—	18.6	8.08	0.84	NM	2.24	—
116	—	18.5	7.60	1.49	NM	2.80	—
148	—	18.8	7.57	1.49	NM	3.36	—
178	—	19.8	7.61	1.49	NM	3.92	—
197	—	19.3	7.57	1.49	NM	4.48	—
228	—	20.7	7.58	1.49	NM	5.04	—
253	—	19.5	7.51	1.49	NM	5.60	—

End development time: 1313

Total volume of water removed: ~5.5 gallons

Development Water Characteristics:

Physical appearance at start of development

Color: Gray
Odor: None
Sheen/Free Product: None

Physical appearance at end of development

Color: Gray
Odor: None
Sheen/Free Product: None

Development Water Disposal Method: 55 gallon drum

1 WV = 0.56 gallons

Ground Water Well Development Log

Date	06-15-17	Personnel	Sarah Travaly	Weather	±70, sunny
Site Name	United 1-Hr	Pump/Controller ID#	FA00138	Well #	K-25
Site Location	East Greenbush	Development Method	Peristaltic Pump	Project #	65305

Monitoring Equip. Used (include ID#): LaMotte FA01463, YSI FA02991

Well information:

Depth of Well (initial)	24.75 ft.	Diameter of Well	1.0 in.	* Measurements taken from	
Depth of Well (final)	— ft.	Depth to Water (final)	— ft.	X	Top of Casing
Depth to Water (initial)	5.61 ft.				(Other, Specify)
Length of Water Column	— ft.				

Start Purge Time: 1330 *indicate units*

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Total Volume of Water Purged	Flow Rate (ml/min)
0	5.61	17.1	7.66	0.87	NM	Start Values	—
5	—	16.9	7.67	0.87	NM	0.78	—
Stop 60							

End development time: — Total volume of water removed: —

Development Water Characteristics:

Physical appearance at start of development

Color	Gray
Odor	none
Sheen/Free Product	none

Physical appearance at end of development

Color	—
Odor	—
Sheen/Free Product	—

Development Water Disposal Method: 55 gallon drum

1 wv = 0.78 gallons

Groundwater Sampling Logs

Page 1 of 2

Low Flow Ground Water Sampling Log

Date 7/10/17 Personnel SET/MEG Weather ±80s, Sunny

Site Name Former United 1-Hour Pump/Controller ID# FA01080, FA02470 Well # ~~MW-01D~~ MW-1D

Site Location Rennselaer, NY Sampling Method Bladder Pump Project # 65305.002.016

Monitoring Equip. Used (include ID#): LaMotte 2020we (FA00413), In-Situ YSI (FA01108), WL Meter (FA00001)

Well information:

Depth of Well *	26.11	ft.
Depth to Water *	6.36	ft.
Length of Water Column	19.75	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1145 *indicate units*

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
0	6.36	16.99	7.16	1.38	-89.7	0.24	856 AV	100
5	6.45	17.21	7.22	1.39	-95.7	0.17	1227 AV	100
10	6.58	17.34	7.19	1.38	-97.1	0.14	NM	100
15	6.66	18.04	7.05	1.34	-83.9	0.07	NM	100
20	6.67	18.35	6.99	1.36	-77.8	0.05	NM	100
25	6.70	18.50	6.97	1.37	-73.2	0.06	NM	100
30	6.69	18.26	6.94	1.38	-70.1	0.05	NM	100
35	6.65	18.33	6.90	1.39	-66.4	0.04	NM	100
40	6.69	17.96	6.88	1.40	-60.6	0.05	NM	100
45	6.69	17.79	6.87	1.41	-58.7	0.05	NM	100
50	6.68	17.08	6.86	1.41	-55.9	0.06	289 AV NM 7/11/17	100
55	6.68	18.06	6.85	1.42	-55.4	0.05	2632 AV	100
60	6.68	18.28	6.84	1.43	-54.1	0.04	1997 AV	100
65	6.68	18.32	6.83	1.43	-53.1	0.04	1732 AV	100
70	6.69	17.97	6.82	1.43	-51.5	0.03	1283 AV	100
75	6.69	18.24	6.82	1.44	-51.4	0.03	1122 AV	100
80	6.69	18.14	6.82	1.44	-50.8	0.03	902 AV	100
85	6.69	18.06	6.80	1.45	-50.0	0.03	831 AV	100
90	6.69	18.15	6.80	1.45	-49.6	0.03	722 AV	100
95	6.69	18.11	6.80	1.45	-47.9	0.03	626 AV	100

End Purge Time: 1345

Water sample: MW-1D-071017, DUP-001-071017

Time collected: 1400

Total volume of purged water removed: ~6.5 gallons

Physical appearance at start

Color: Grey-brown

Odor: None

Sheen/Free Product: None

Physical appearance at sampling

Color: Grey-clear

Odor: None

Sheen/Free Product: None

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	VOA	6	No	HCl	TestAmerica
TCL Semivolatiles +20	250 mL Amber	4	No	—	TestAmerica
1,4 Dioxane	250 mL Amber	4	No	—	TestAmerica
PFCs	250 mL Plastic	4	No	—	TestAmerica
TCL Organochlorine Pesticides	250mL Amber	(SD 7/11/17) ~~6~~ 4	No	—	TestAmerica
TCL Chlorinated Herbicides	1 L Amber	8	No	—	TestAmerica
TCL PCBs	250mL Amber	4	No	—	TestAmerica
TAL Inorganics	250 mL Plastic	2	No	HNO_3	TestAmerica
Cyanide	250 mL Plastic	2	No	NaOH	TestAmerica
Mercury			No	HNO_3	TestAmerica

same bottle

Low Flow Ground Water Sampling Log

Date	7/10/17	Personnel	SET	Weather	75 Sunny
Site Name	Former United 1-Hour	Pump/Controller ID#	MP50 1422	Well #	~~MW-01D~~ MW-1D (ST 7/11/17)
Site Location	Rennselaer, NY	Sampling Method	Bladder Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#):

see page 1

Well information:

Depth of Well * _____ ft.
Depth to Water * _____ ft.
Length of Water Column _____ ft.

* Measurements taken from
- [ ] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: _____

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
100	6.69	18.15	6.80	1.45	-46.9	0.03	54	100
105	6.69	18.14	6.80	1.46	-46.2	0.03	92	100
110	6.69	17.97	6.79	1.45	-43.8	0.03	82	100
115	6.69	17.80	6.80	1.45	-42.0	0.03	89	100
120	6.69	17.91	6.80	1.45	-41.7	0.02	85	100

End Purge Time: _____

Water sample:

Time collected: _____ (ST 7/10/17)

Total volume of purged water removed: _____

Physical appearance at start

Color: ~~grey~~ clear
Odor: _____
Sheen/Free Product: _____

Physical appearance at sampling

Color: _____
Odor: _____
Sheen/Free Product: _____

see page 1

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	VOA	3 6	No	HCL	TestAmerica
TCL Semivolatiles +20	250 ml Amber	4	No	—	TestAmerica
1,4 Dioxane	250 ml Amber	4	No	—	TestAmerica
PFCs	250 ml Plastic	4	No	—	TestAmerica
TCL Organochlorine Pesticides	250 mL Amber	8 6	No	—	TestAmerica
TCL Chlorinated Herbicides	1 liter Amber	8	No	—	TestAmerica
TCL PCBs	250 mL Amber	4	No	—	TestAmerica
TAL Inorganics	250 Plastic	2	No	Nitric Acid	TestAmerica
Cyanide	250 Plastic	2	No	Sodium Hydroxide	TestAmerica
Mercury			No		TestAmerica

see page 1

same bottle

Low Flow Ground Water Sampling Log

Date	7/10/17	Personnel	MEG	Weather	75 Sunny
Site Name	Former United 1-Hour	Pump/Controller ID#	FA00121	Well #	(ST 7/10/17) ~~MW-01S~~ MW-1S
Site Location	Rennselaer, NY	Sampling Method	Bladder Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): LaMotte 2020we (FAO) InSitu YSI (FAO) WL Meter (FAO)

Well information:

Depth of Well *	26.11	ft.
Depth to Water *	4.38	ft.
Length of Water Column	21.73	ft.

* Measurements taken from

✓	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1155

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ( )	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
1155 (0)	4.92	16.2	6.85	1.79	210.5	0.96	NM	100
1200 (5)	5.23	16.13	6.82	1.79	227.0	0.56	NM	100
10	6.82	16.15	6.81	1.76	225.1	0.58	NM	100
15	7.75	16.15	6.84	1.75	226.5	0.62	NM	100
15 20	9.51	17.98	6.83	1.77	225.5	0.49	NM	100
20 25	9.52	18.39	6.89	1.40	~~65.8~~ 224.7	0.35	NM	100
25 30	9.53	18.24	6.89	1.42	223.7	6.24	903	100
30 35	9.52	17.78	6.79	1.87	217.5	0.24	775	100
35 40	9.54	17.56	6.80	1.88	210.9	0.18	765	100
40 45	9.56	18.12	6.79	1.90	197.9	0.16	735	100
45 50	9.57	18.03	6.79	1.89	193.2	0.15	114	100
50 55	9.57	18.13	6.79	1.89	189.4	0.15	108	100
55 60	9.63	18.03	6.80	1.89	178.5	0.16	83	100
60 65	9.66	18.03	6.80	1.89	169.9	0.16	86	100
65 70	9.68	17.97	6.80	1.89	167.7	0.15	91	100
10 75	9.69	18.00	6.80	1.89	165.7	0.16	82	100

End Purge Time: 1310

Water sample: MW-1S-071017

Time collected: 1325

Total volume of purged water removed: ~5.5 gallons

Physical appearance at start		Physical appearance at sampling	
Color	dark	Color	grey
Odor	none	Odor	none
Sheen/Free Product	none	Sheen/Free Product	none

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	3 VOA	3	No	HCL	TestAmerica
TCL Semivolatiles +20	250 Amber	2 0	No	—	TestAmerica
1,4 Dioxane	250 Amber	2	No	—	TestAmerica
PFCs	250 Plastic	2 ~~1~~ 0	No	—	TestAmerica
TCL Organochlorine Pesticides	250 Amber	2 0	No	—	TestAmerica
TCL Chlorinated Herbicides	1 L Amber	4 0	No	—	TestAmerica
TCL PCBs	250 Amber	2 0	No	—	TestAmerica
TAL Inorganics	250 plastic	1 0	No	HNO3	TestAmerica
Cyanide	250 Plastic	1 0	No	NaOH	TestAmerica
Mercury			No	HNO3	TestAmerica

same bottle

(ST 7/10/17)

Low Flow Ground Water Sampling Log

Date	7/11/17	Personnel	SET + MEG	Weather	±70s, light rain
Site Name	Former United 1-Hour	Pump/Controller ID#	FA01080, FA02470	Well #	MW-2D
Site Location	Rennselaer, NY	Sampling Method	Bladder Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): LaMotte 2020 we (FA0413) In Situ YSI (FA01108) WL Meter (FA00061)

Well information:

Depth of Well *	30.54	ft.
Depth to Water *	5.80	ft.
Length of Water Column	24.74	ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 0850

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/m)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
0	5.80	18.65	6.59	1.45	91.1	0.18	NM	100
5	5.88	18.17	6.58	1.51	65.4	0.11	NM	100
10	5.90	17.64	6.56	1.55	37.7	0.13	NM	100
15	5.94	16.74	6.55	1.54	24.6	0.09	NM	100
20	5.94	16.61	6.55	1.54	23.0	0.08	NM	100
25	5.96	16.59	6.56	1.55	19.6	0.06	2759 AU	100
30	5.94	16.74	6.56	1.54	17.7	0.06	2067 AU	100
35	5.96	16.82	6.56	1.54	16.9	0.05	1236 AU	100
40	5.95	16.92	6.56	1.54	16.9	0.04	1361 AU	100
45	5.96	16.93	6.56	1.54	17.3	0.04	892 AU	100
50	5.96	16.98	6.57	1.53	17.8	0.03	670 AU	100
55	5.96	16.94	6.57	1.53	18.6	0.03	104 AU	100
60	5.95	17.03	6.57	1.53	20.3	0.03	91	100
65	5.97	16.92	6.57	1.53	22.2	0.03	726 AU	100
70	5.97	16.96	6.57	1.53	22.7	0.04	986 AU	100
75	6.00	17.04	6.57	1.53	22.4	0.03	106 AU	100
80	5.98	17.02	6.58	1.53	24.2	0.04	104	100
85	6.00	17.00	6.58	1.53	25.6	0.04	64	100
90	5.95	17.13	6.58	1.53	26.7	0.04	115	100
95	6.00	17.14	6.58	1.53	28.8	0.03	51	100

End Purge Time: 1035

Water sample: MW-2D-071117, MW-2D-MS-071117, MW-2D-MSD-071117

Time collected: 1040

Total volume of purged water removed: ~9.0 gallons

Physical appearance at start

Color: Grey
Odor: None
Sheen/Free Product: None

Physical appearance at sampling

Color: Lt. Grey
Odor: None
Sheen/Free Product: None

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	VOA	9	No	HCl	TestAmerica
TCL Semivolatiles +20	250 Amber	6	No	—	TestAmerica
1,4 Dioxane	250 Amber	6	No	—	TestAmerica
PFCs	250 Plastic	6	No	—	TestAmerica
TCL Organochlorine Pesticides	250 Amber	6	No	—	TestAmerica
TCL Chlorinated Herbicides	1 liter Amber	12	No	—	TestAmerica
TCL PCBs	250 Amber	6	No		TestAmerica
TAL Inorganics	Plastic	3	No	Nitric Acid	TestAmerica
Cyanide	Plastic	3	No	Sodium Hydroxide	TestAmerica
Mercury	Plastic		No	Nitric Acid	TestAmerica

Same bottle

Low Flow Ground Water Sampling Log

Date		Personnel		Weather	
Site Name	Dewey Loeffel Landfill Superfund Site RI/FS	Pump/Controller ID#		Well #	
Site Location	Nassau, New York	Sampling Method	Submersible Pump	Project #	62733.009.016
Monitoring Equip. Used (include ID#):					

Well information:

				* Measurements taken from
Depth of Well *	22.30 ft.	2" diameter	X	Top of Well Casing
Depth to Water *	ft.	0.163 gal/ft of depth		Top of Protective Casing
Length of Water Column	ft.			(Other, Specify)

Start Purge Time: _____ *indicate units*

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
100	6.01	17.09	6.58	1.53	29.7	0.04	52	100
105	6.01	17.05	6.58	1.53	30.0	0.04	53	100

End Purge Time: _____

Water sample:

Time collected: _____ Total volume of purged water removed: _____

Physical appearance at start		**Physical appearance at sampling**	
Color		Color	
Odor		Odor	
Sheen/Free Product		Sheen/Free Product	

Analytical Parameters: TCL VOCs USEPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered	Preservative	Laboratory
40-ml	Glass		No	HCL	Eurofins Lancaster

Low Flow Ground Water Sampling Log

Date	7/11/17	Personnel	~~MEG~~	Weather	70's Cloudy
Site Name	Former United 1-Hour	Pump/Controller ID#	FA00121	Well #	MW-2S
Site Location	Rennselaer, NY	Sampling Method	Bladder Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): LaMotte 2020we (FAO) In-Situ YSI (FAO) INL Meter (FAO)

Well information:

Depth of Well *	(ST) 7/11/17 ~~4.10~~ 19.32	ft.
Depth to Water *	4.10	ft.
Length of Water Column	15.22	ft.

* Measurements taken from

✓	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 0855

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ( )	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
0	5.77	17.44	6.52	1.46	106.0	0.30	130	100
5	5.94	18.47	6.60	1.45	103.6	0.29	77	100
10	6.21	18.45	6.67	1.44	90.7	0.28	94	100
15	6.54	18.41	6.666	1.45	88.9	0.27	111	100
20	6.77	18.24	6.69	1.44	82.4	0.29	106	100
25	6.82	18.37	6.69	1.44	78.1	0.29	93	100
30	7.00	18.46	6.70	1.43	70.2	0.34	102	100
35	7.17	18.50	6.70	1.43	67.6	0.34	68	100
40	7.16	18.38	6.71	1.43	62.5	0.31	115	100
45	7.19	18.41	6.71	1.42	61.7	0.31	97	100
50	7.20	18.44	6.72	1.42	61.9	0.39	89.2	100
55	7.23	18.51	6.73	1.41	61.9	0.56	89.9	100
60	7.25	18.54	6.75	1.40	61.5	0.67	57	100
65	7.28	18.34	6.74	1.40	62.3	0.74	60.8	100
70	7.31	18.56	6.75	1.40	62.8	0.76	54	100
75	7.33	1859	6.75	1.40	62.7	0.77	63.4	100
80								

End Purge Time: 1010

Water sample: MW-2S-071117

Time collected: 1030

Total volume of purged water removed: ~4 gallons

Physical appearance at start		Physical appearance at sampling	
Color	cloudy	Color	Cloudy-slightly
Odor	none	Odor	none
Sheen/Free Product	none	Sheen/Free Product	none

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	VOA	3	No	HCL	TestAmerica
TCL Semivolatiles +20	(ST) ~~250 Amber~~	(ST) ~~2~~ 0	No		TestAmerica
1,4 Dioxane	250 Amber	2	No	—	TestAmerica
PFCs	250 Plastic	2	No		TestAmerica
TCL Organochlorine Pesticides			No		TestAmerica
TCL Chlorinated Herbicides			No		TestAmerica
TCL PCBs			No		TestAmerica
TAL Inorganics			No		TestAmerica
Cyanide			No		TestAmerica
Mercury			No		TestAmerica

Low Flow Ground Water Sampling Log

Date	7/11/17	Personnel	MEG	Weather	70s Cloudy
Site Name	Former United 1-Hour	Pump/Controller ID#	FA01080	Well #	MW-35
Site Location	Rennselaer, NY	Sampling Method	Bladder Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): LaMotte 2020 we (FA00413) - In-Situ YSI (FA01108), WL Meter (FA0061)

Well information:

Depth of Well *	~~25.05~~ 35 (ST 7/11/17)	ft.	* Measurements taken from
Depth to Water *	5.50	ft.	✓ Top of Well Casing
Length of Water Column	~~19.55~~	ft.	Top of Protective Casing
			(Other, Specify)

Start Purge Time: 1355

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ( )	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
55								
0	5.70	20.4	6.61	1.56	92.3	0.09	NM	100
5	5.75	19.9	6.54	1.58	84.9	0.07	NM	100
10	5.91	15.57	6.44	1.57	82.7	0.06	NM	100
15	5.92	15.42	6.43	1.57	90.2	0.04	1128	100
20	5.77	17.11	6.40	1.58	92.4	0.06	778	100
25	5.78	17.36	6.39	1.58	93.5	0.05	808	100
30	5.78	17.36	6.38	1.57	93.8	0.05	670	100
35	5.76	17.36	6.38	1.57	93.7	0.05	653	100
40	5.76	17.49	6.47	1.59	80.9	0.05	NM	100
45	5.73	17.47	6.47	1.60	68.8	0.03	NM	100
50	5.73	17.40	6.43	1.58	68.5	0.03	NM	100
55	5.81	17.18	6.40	1.58	82.3	0.02	3550	100
60	5.82	17.12	6.39	1.58	83.7	0.02	1397	100
65	5.81	17.14	6.39	1.58	86.2	0.02	843	100
70	5.82	17.14	6.39	1.58	87.6	0.02	626	100
75	5.79	17.57	6.38	1.58	152.2	0.02	98	100
80	5.76	17.81	6.38	1.58	168.8	0.02	53	100
85	5.79	17.59	6.38	1.58	170.5	0.01	50	100
90	5.81	17.71	6.38	1.58	167.4	0.02	47	100
100								

End Purge Time: (ST 7/11/17) ~~1530~~ 1525

Water sample: MW-35-071117

Time collected: 1540

Total volume of purged water removed: ~4.5 gallons

Physical appearance at start

Color: Grey
Odor: None
Sheen/Free Product: None

Physical appearance at sampling

Color: Brownish
Odor: None
Sheen/Free Product: None

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	VOA	3	No	HCL	TestAmerica
TCL Semivolatiles +20	250 Amber	2	No	—	TestAmerica
1,4 Dioxane	250 Amber	2	No	—	TestAmerica
PFCs	250 Plastic	2	No	—	TestAmerica
TCL Organochlorine Pesticides	250 Amber	2	No	—	TestAmerica
TCL Chlorinated Herbicides	1L Amber	4	No	—	TestAmerica
TCL PCBs	250 Amber	2	No	—	TestAmerica
TAL Inorganics	250 Plastic	1	No	HNO3	TestAmerica
Cyanide	250 Plastic	1	No	NaOH	TestAmerica
Mercury			No	HNO3	TestAmerica

Same bottle

OBG

GROUND WATER SAMPLING FIELD LOG

Date	7/12/17	Personnel	SET, MEG	Weather	70's
Site Name	E. Greenhorn B	Evacuation Method	perri pump	Well #	K-16
Site Location	United One	Sampling Method	~~peri pump~~ Bailer (SP 7/12/17)	Project #	65305

Well information:

Depth of Well *	17.31	ft.	* Measurements taken from
Depth to Water *	4.31	ft.	x Top of Well Casing
Length of Water Column	13.00	ft.	Top of Protective Casing
			(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	0.53	gallons
2" diameter wells = 0.163 x (LWC) =	—	gallons
4" diameter wells = 0.653 x (LWC) =	—	gallons

Well evacuation data:

	Well Volumes						
	1	2	3	2	3		
Start Time	~~0800~~			0810	0831		
End Time	0810			0831	0848		
Gallons Purged	0.53			1.06	1.59	(SP 7/12/17	
Temp (C)	20.61		dry	19.54	~~6.97~~	17.89	
pH	6.49			6.88	6.97		
Spec. Conduc. (mS/cm)	1.44			1.48	1.21		
Turbidity (NTU)	NM			NM	NM		

Probe type:

Appearance at start: Silty

Appearance at end: Silty

Other Observations: (SP 7/12/17 ~~dry at 1.5 well volumes~~

Amount of water removed: ~ 0.6 gallons

Depth to water before sampling: 3.33 ft. (below top of inner casing)

Parameters Sampled For: VOCs by 8260 Sample Time: 0850

NOTES: Sample Name: K-16-071217

(SP 7/12/17 ~~Dropped perri bailer and left it to collect sample.~~ At 1.5 wv, well was thought to be dry. Dropped bailer, but it filled with water instantly. Used bailer to collect 2nd wv

OBG

GROUND WATER SAMPLING FIELD LOG

Date	7/12/17	Personnel	SET, MEG	Weather	±80s
Site Name	United 1-Hr	Evacuation Method		Well #	K-16-2
Site Location	East Greenbush	Sampling Method		Project #	65305

Well information:

Depth of Well *	18.89	ft.
Depth to Water *	4.12	ft.
Length of Water Column	14.77	ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	0.61	gallons
2" diameter wells = 0.163 x (LWC) =		gallons
4" diameter wells = 0.653 x (LWC) =		gallons

Well evacuation data:

	Well Volumes						
	1	2	3				
Start Time	1118	1121	1132				
End Time	1121	1132	1148				
Gallons Purged	0.61	0.61	0.61				
Temp (C)	20.59	22.02	19.31				
pH	6.07	7.08	7.10				
Spec. Conduc. (mS/cm)	1.10	1.15	0.82				
Turbidity (NTU)	NM	NM	NM				

Probe type:

Appearance at start: Silty, gray

Appearance at end:

Other Observations:

Amount of water removed: ~2.0 gallons

Depth to water before sampling: 5.62 ft. (below top of inner casing)

Parameters Sampled For: VOCs by 8260 Sample Time: 1230

NOTES: 1st and 2nd volume pulled by peri pump. Third by bailer

Sample Name: K-16-2-071217

OBG

GROUND WATER SAMPLING FIELD LOG

Date	7/12/17	Personnel	SET, MEG	Weather	~70s
Site Name	United 1-Hr	Evacuation Method	Perpump/bailer	Well #	K-25
Site Location	East Greenbush	Sampling Method	Bailer	Project #	65305

Well information:

Depth of Well *	25.60	ft.
Depth to Water *	4.40	ft.
Length of Water Column	21.20	ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	0.87	gallons
2" diameter wells = 0.163 x (LWC) =		gallons
4" diameter wells = 0.653 x (LWC) =		gallons

Well evacuation data:

	Well Volumes						
	1	2	3 1008				
Start Time	0900	0929	~~1050~~				
End Time	0929	1008	1040				
Gallons Purged	0.87	0.87	0.87				
Temp (C)	20.15	18.77	18.64				
pH	7.20	7.26	7.28				
Spec. Conduc. (mS/cm)	0.88	0.45	0.35				
Turbidity (NTU)	NM	NM	NM				

Probe type:

Appearance at start: Silty, gray

Appearance at end: silty, gray

Other Observations:

Amount of water removed: ~2.1 gallons

Depth to water before sampling: 7.46 ft. (below top of inner casing)

Parameters Sampled For: VOCs by 8260 Sample Time: ~~1230~~ 1223 (MK)

NOTES: perfi pump used for first well volume. Bailer used for the second H2O

Sample Name: K-25-071217

Low Flow Ground Water Sampling Log

Date	11-28-17	Personnel	S. Travaly	Weather	±40, Sunny
Site Name	Former United 1-Hour	Pump/Controller ID#	FA00139	Well #	MW-1S
Site Location	Rennselaer, NY	Sampling Method	Peristaltic Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): Smartroll: FA0139, Lamotte 2020we: FA02902, WL Meter: FA01789, PID: FA01721

Well information:

Depth of Well *	19.45	ft.
Depth to Water *	6.64	ft.
Length of Water Column	12.81	ft.

* Measurements taken from

✓	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1350

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	PID (ppm)
0	6.64	15.79	7.15	1.74	37.5	0.17	98	400	0.0
5	8.67	16.05	7.14	1.46	32.4	0.17	NM	100	0.0
10	9.60	15.91	7.11	1.36	34.3	0.20	NM	100	0.0
15	9.77	14.82	7.09	1.70	28.8	0.35	604	100	0.0
20	9.98	15.00	7.15	1.66	0.5	0.27	63.4	100	0.0
25	10.19	16.06	6.99	1.46	4.2	0.56	65.3	100	0.0
30	10.37	16.17	6.98	1.24	14.0	1.27	45.3	100	0.0
35	10.54	16.08	7.01	~~1.94~~ 1.27	20.6	1.95	19.3	100	0.0
40	10.75	16.17	6.96	1.29	20.9	1.73	25.9	100	0.0
45	10.98	16.08	6.96	1.27	18.3	1.17	45.4	100	0.0
50	11.10	16.16	6.97	1.33	13.9	0.83	66.5	100	0.0
55	11.30	16.05	6.97	1.40	13.8	0.46	63.0	100	0.0
60	11.40	15.99	6.99	1.44	13.8	0.31	86.0	100	0.0
65	11.48	15.90	6.98	1.48	15.1	0.24	53.0	100	0.0
70	11.55	15.89	6.98	1.51	17.1	0.19	64.9	100	0.0
75	11.64	15.90	6.99	1.55	19.3	0.15	70.1	100	0.0
80	11.77	15.87	6.98	1.56	20.2	0.14	71.0	100	0.0
85	11.85	15.88	6.99	1.58	21.3	0.14	68.9	100	0.0

End Purge Time: 1515

Water sample:

Time collected: 1520

Total volume of purged water removed: ~5.0 gallons

Physical appearance at start

Color: Milky white

Odor: None

Sheen/Free Product: None

Physical appearance at sampling

Color: Clear/white

Odor: None

Sheen/Free Product: None

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	40ml VOA Vial	3	No	HCl	TestAmerica

Sample: MW-1S-112817

Low Flow Ground Water Sampling Log

Date	11-28-17	Personnel	S. Trawaly	Weather	±30, sunny
Site Name	Former United 1-Hour	Pump/Controller ID#	FA0039	Well #	MW-1D
Site Location	Rennselaer, NY	Sampling Method	Peristaltic Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): Smartroll: FA01139, Lamotte 2020we: FA02902, IWL Meter: FA01789, PID: FA01721

Well information:

Depth of Well *	25.79	ft.
Depth to Water *	8.50	ft.
Length of Water Column	17.29	ft.

* Measurements taken from

- [✓] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 1130 *indicate units*

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	PID (ppm)
0	8.50	13.54	7.24	1.27	-58.3	0.15	1889	400	0.0
5	8.90	14.23	7.10	1.30	-51.9	0.09	2528	200	0.0
10	8.91	14.28	6.98	1.29	-49.4	0.07	1048	200	0.0
15	8.91	14.51	6.97	1.29	-52.1	0.07	772	200	0.0
20	8.90	14.55	6.95	1.28	-51.2	0.06	624	200	0.0
25	8.91	14.55	6.94	1.28	-51.3	0.06	57.2	200	0.0
30	8.92	14.67	6.91	1.28	-49.9	0.05	44.4	200	0.0
35	8.92	14.73	6.93	1.28	-51.8	0.05	31.5	200	0.0
40	8.92	14.64	6.89	1.28	-50.6	0.05	31.3	200	0.0
45	8.91	14.60	6.89	1.28	-51.9	0.05	23.3	200	0.0
50	8.90	14.64	6.89	1.29	-52.3	0.05	18.8	200	0.0
55	8.90	14.59	6.89	1.29	-53.1	0.05	19.5	200	0.0
60	8.90	14.59	6.89	1.30	-53.5	0.05	20.5	200	0.0

End Purge Time: 1230

Water sample:
Time collected: 1235

Total volume of purged water removed: ~5.5 gallons

Physical appearance at start

Color	Light gray
Odor	Muddy/Organic
Sheen/Free Product	None

Physical appearance at sampling

Color	Clear
Odor	None
Sheen/Free Product	None

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
Volatiles + 10	40ml VOA Vial	3 ~~3~~ 9 11-28-17	No	HCl	TestAmerica

des: MW-1D-112817
MW-1D-112817-MS
MW-1D-112817-MSD

Low Flow Ground Water Sampling Log

Date	11-29-17	Personnel	S. Travaly	Weather	± 40, sunny, very windy
Site Name	Former United 1-Hour	Pump/Controller ID#	FA00139	Well #	MW-25
Site Location	Rennselaer, NY	Sampling Method	Peristaltic Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): Smartroll: FA01139, Lamotte 2020we: FA02902, WL Meter: FA01789, PID: FA01721

Well information:

Depth of Well *	18.11	ft.
Depth to Water *	6.92	ft.
Length of Water Column	11.19	ft.

* Measurements taken from

✓	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1055

indicate units

	Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	PID (ppm)
	0	6.92	17.69	6.95	1.42	-1.0	0.14	39.5	300	0.1
	5	9.20	17.64	6.90	1.43	-4.3	0.11	37.0	300	0.1
	10	9.75	17.61	6.84	1.43	-3.6	0.11	12.4	200	0.1
	15	9.96	17.47	6.83	1.42	-0.0	0.23	7.48	200	0.1
	20	10.15	17.20	6.89	1.42	4.2	0.25	6.09	100	0.1
*	25	10.25	17.20	6.90	1.39	4.5	1.51	7.91	100	0.1
	30	10.37	17.11	6.90	1.33	10.0	1.51	6.34	100	0.2
	35	10.47	17.11	6.88	1.36	11.2	1.03	3.94	100	0.2
	40	10.68	17.15	6.86	1.38	8.9	0.73	4.90	100	0.2
	45	10.83	17.15	6.86	1.40	6.0	0.58	8.08	100	0.2
	50	11.01	17.08	6.88	1.40	7.0	0.55	8.78	100	0.2
	55	11.16	17.00	6.84	1.41	7.1	0.56	8.52	100	0.2
	60	11.23	17.00	6.84	1.42	6.8	0.56	8.67	100	0.2

End Purge Time: 1155

Water sample:

Time collected: 1200

Total volume of purged water removed: ~4.5 gallons

Physical appearance at start

Color	Clear
Odor	Slightly chemical
Sheen/Free Product	None

Physical appearance at sampling

Color	Clear
Odor	None
Sheen/Free Product	None

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	40ml VOA Vial	3	No	HCl	TestAmerica

* Smartroll disconnected - DO readings much higher than previous readings upon reconnection

Sample name: MW-25-112917

Low Flow Ground Water Sampling Log

Date	11-29-17	Personnel	S. Travaly	Weather	±40, Sunny
Site Name	Former United 1-Hour	Pump/Controller ID#	FA00139	Well #	MW-2D
Site Location	Rennselaer, NY	Sampling Method	Peristaltic Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): Smartroll: FA01139, Lamotte 2020we: FA02902, WL Meter: FA01789, PID: FA01721

Well information:

Depth of Well *	30.23	ft.
Depth to Water *	8.30	ft.
Length of Water Column	21.93	ft.

* Measurements taken from

✓	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 0945

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (uS/cm)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	PID (ppm)
0	8.30	14.91	7.39	1.50	7.5	0.26	NM	500	0.1
5	8.51	15.38	6.89	1.50	14.8	0.16	1983	100	0.1
10	8.50	16.18	6.73	1.48	16.1	0.12	1133	100	0.1
15	8.50	16.40	6.67	1.47	17.8	0.08	604	100	0.1
20	8.51	16.35	6.63	1.47	19.9	0.08	87	100	0.1
25	8.53	16.46	6.61	1.46	21.5	0.07	64	100	0.1
30	8.54	16.60	6.58	1.45	23.7	0.06	51.7	100	0.1
35	8.54	16.32	6.59	1.46	25.5	0.06	42.4	100	0.1
40	8.55	16.55	6.58	1.46	27.1	0.05	29.6	100	0.2
45	8.56	16.22	6.59	1.46	29.9	0.06	34.2	100	0.1
50	8.56	16.41	6.60	1.45	28.8	0.05	32.4	100	0.1
55	8.57	16.49	6.60	1.46	30.1	0.06	30.9	100	0.1

End Purge Time: 1040

Water sample:

Time collected: 1045

Total volume of purged water removed: ~4.5 gallons

Physical appearance at start		Physical appearance at sampling	
Color	Gray	Color	Clear
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	40ml VOA Vial	~~5~~ 6 11-29-17	No	HCl	TestAmerica

Sample names: MW-2D - 112917

X-1-112917

Low Flow Ground Water Sampling Log

Date	11-29-17	Personnel	S. Travaly	Weather	±50, Windy
Site Name	Former United 1-Hour	Pump/Controller ID#	FA00139	Well #	MW-35
Site Location	Rennselaer, NY	Sampling Method	Peristaltic Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): Smartroll: FA01136, Lamotte 2020we: FA02902, WL Meter: FA01789, PID: FA01721

Well information:

Depth of Well *	24.93	ft.
Depth to Water *	10.71	ft.
Length of Water Column	14.23	ft.

* Measurements taken from

✓	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1420

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	PID (ppm)
0	10.71	13.60	6.94	1.49	111.0	0.35	NM	200	0.0
5	10.81	15.72	6.58	1.40	106.6	0.43	56	100	0.1
10	10.80	15.81	6.51	1.41	105.6	0.40	68.4	100	0.1
15	10.80	15.86	6.48	1.43	103.8	0.29	46.8	100	0.1
20	10.79	15.67	6.44	1.42	101.8	0.27	61.7	100	0.1
25	10.79	15.63	6.46	1.43	97.4	0.27	70.8	100	0.1
30	10.79	15.65	6.44	1.44	96.6	0.27	53.6	100	0.1
35	10.79	15.56	6.43	1.45	93.4	0.22	42.7	100	0.1
40	10.79	15.54	6.43	1.45	94.4	0.21	39.6	100	0.1
45	10.78	15.45	6.43	1.45	91.0	0.19	37.3	100	0.1
50	10.80	15.54	6.42	1.46	88.8	0.18	27.3	100	0.1
55	10.80	15.58	6.41	1.46	88.5	0.16	22.1	100	0.1
60	10.79	15.53	6.41	1.46	87.3	0.15	21.9	100	0.1
65	10.80	15.45	6.41	1.46	88.0	0.15	22.3	100	0.1

End Purge Time: 1525

Water sample:

Time collected: 1530

Total volume of purged water removed: ~3.5 gallons

Physical appearance at start		Physical appearance at sampling	
Color	Dark gray	Color	Clear
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	40ml VOA Vial	3	No	HCl	TestAmerica

Low Flow Ground Water Sampling Log

Date	11-30-17	Personnel	S. Travaly	Weather	±20, cloudy
Site Name	Former United 1-Hour	Pump/Controller ID#	FA00139	Well #	MW-4S
Site Location	Rennselaer, NY	Sampling Method	Peristaltic Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): Smartroll: FA0139, Lamotte 2020we: FA02902, WL Meter: FA01789, PID: FA0721

Well information:

Depth of Well *	19.28	ft.
Depth to Water *	7.84	ft.
Length of Water Column	11.44	ft.

* Measurements taken from

- [ ] Top of Well Casing
- [ ] Top of Protective Casing
- [ ] (Other, Specify)

Start Purge Time: 0950

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	PID (ppm)
0	7.84	7.33	7.13	1.59	77.9	6.20	1510	100	0.1
5	8.39	13.19	7.13	1.54	72.5	5.31	915	100	0.2
10	8.59	13.28	7.13	1.53	69.2	5.29	75.2	100	0.2
15	8.84	13.39	7.12	1.52	68.6	5.20	74.3	100	0.1
20	9.02	13.28	7.12	1.53	67.8	5.20	67.8	100	0.1
25	9.25	13.33	7.13	1.51	67.8	4.95	39.7	100	0.2
30	9.45	13.15	7.13	1.52	66.3	4.93	15.3	100	0.2
35	9.73	13.60	7.14	1.51	60.6	4.77	11.8	100	0.1
40	9.88	13.55	7.14	1.50	58.6	4.80	11.3	100	0.1
45	10.03	13.55	7.14	1.50	60.2	4.79	11.5	100	0.1

End Purge Time: 1035

Water sample:

Time collected: 1040

Total volume of purged water removed: ~2.5

Physical appearance at start

Color: light gray
Odor: None
Sheen/Free Product: None

Physical appearance at sampling

Color: Clear
Odor: None
Sheen/Free Product: None

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	40ml VOA Vial	3	No	HCl	TestAmerica

Sample Name: MW-4S-113017

Low Flow Ground Water Sampling Log

Date	11-29-17	Personnel	S. Travaly	Weather	±50, windy
Site Name	Former United 1-Hour	Pump/Controller ID#	FA00139	Well #	K-46
Site Location	Rennselaer, NY	Sampling Method	Peristaltic Pump	Project #	65305.002.016

Monitoring Equip. Used (include ID#): Smartroll: FA01139, Lamotte 2020we: FA02402, WL Meter: FA01789, PID: FA01721

Well information:

Depth of Well *	16.27	ft.
Depth to Water *	3.69	ft.
Length of Water Column	12.58	ft.

* Measurements taken from

✓	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1255

indicate units

Elapsed Time	Depth To Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (uS/cm)	Eh (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	PID (ppm)
0	3.69	16.44	7.13	1.46	1.5	1.89	2570	300	0.1
5	12.18	16.26	7.07	1.30	-2.2	1.72	NM	100	0.1
10	14.35	15.82	7.13	1.38	42.5	7.21	NM	100	0.1
15	13.10	14.46	7.27	1.40	30.8	10.39	NM	100	0.1

End Purge Time: _____

Water sample:

Time collected: _____

Total volume of purged water removed: _____

Physical appearance at start		**Physical appearance at sampling**	
Color	Light brown	Color	
Odor	None	Odor	
Sheen/Free Product	None	Sheen/Free Product	

Analytical Parameters:

Analyte	Container Type	# Collected	Field Filtered	Preservative	Lab
TCL Volatiles + 10	40ml VOA Vial	3	No	HCl	TestAmerica

OBG

GROUND WATER SAMPLING FIELD LOG

Date	11-30-17	Personnel	S. Travaly	Weather	±30, sunny
Site Name	Former United Hosp	Evacuation Method	Bailer	Well #	K-16
Site Location	Rensselaer	Sampling Method	Bailer	Project #	65305

Monitoring Equip: Smartroll - FA01139, Lamotte 2020we: FA02902, WL Meter: FA01789, PID: FA01721

Well information:

(S) 11/30/17

Depth of Well *	~~15.65~~ 17.00	ft.
Depth to Water *	4.15	ft.
Length of Water Column	12.85	ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	0.5	gallons
2" diameter wells = 0.163 x (LWC) =	—	gallons
4" diameter wells = 0.653 x (LWC) =	--	gallons

Well evacuation data:

	Well Volumes						
	1	2	3				
Start Time	1127	1205	1340				
End Time	1140	1224	1358				
Gallons Purged	0.5	1.0	1.5				
Temp (C)	10.02	13.19	14.50				
pH	7.68	7.50	7.44				
Spec. Conduc. (mS/cm)	1.59	1.41	1.42				
Turbidity (NTU)	NM	NM	NM				

Probe type:

Appearance at start: Light gray, no odor, no sheen/product

Appearance at end: Dark gray, no odor, no sheen/product

Other Observations: Lots of gray silt in samples

Amount of water removed: 1.5 gallons

Depth to water before sampling: NM ft. (below top of inner casing)

Parameters Sampled For: VOCs by 8260 Sample Time: 1400

NOTES:

Sample name: K-16-113017

OBG

GROUND WATER SAMPLING FIELD LOG

Date	11-30-17	Personnel	S. Travaly	Weather	≈30, Sunny
Site Name	Former United 1-Hour	Evacuation Method	Bailer	Well #	K-25
Site Location	Rensselaer	Sampling Method	Bailer	Project #	65305

Monitoring Equip: Smartroll: FA01139, Lamotte 2020we: FA02902, WL Meter: FA01789, PID: FA01721

Well information:

Depth of Well *	29.50	ft.
Depth to Water *	4.04	ft.
Length of Water Column	25.46	ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	1.0	gallons
2" diameter wells = 0.163 x (LWC) =	—	gallons
4" diameter wells = 0.653 x (LWC) =	--	gallons

Well evacuation data:

	Well Volumes						
	1	2	3				
Start Time	1145	1225	1415				
End Time	1204	1255	1437				
Gallons Purged	1.0	2.0	3.0				
Temp (C)	11.63	11.40	12.27				
pH	7.43	7.53	7.39				
Spec. Conduc. (mS/cm)	0.87	0.78	0.76				
Turbidity (NTU)	NM	NM	NM				

Probe type:

Appearance at start: Light brown, no odr, no sheen/product

Appearance at end: Dark gray, no oder, no sheen/product

Other Observations: Lots of gray silt in samples

Amount of water removed: 3.0 gallons

Depth to water before sampling: NM ft. (below top of inner casing)

Parameters Sampled For: VOCs by 8260 Sample Time: 1440

NOTES:

Sample name: K-25-113017

OBG

GROUND WATER SAMPLING FIELD LOG

Date	11-30-17	Personnel	S. Travaly	Weather	±30, windy
Site Name	Former United 1-Hour	Evacuation Method	Bailer	Well #	K-16-2
Site Location	Bonsall, CA	Sampling Method	Bailer	Project #	65305

Monitoring Equip: Smartroll: FA01139, LaMotte 2020we: FA02902, WL Meter: FA01789, PID FA01721

Well information:

Depth of Well *	16.95	ft.
Depth to Water *	6.44	ft.
Length of Water Column	10.51	ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	0.4	gallons
2" diameter wells = 0.163 x (LWC) =	--	gallons
4" diameter wells = 0.653 x (LWC) =	--	gallons

Well evacuation data:

	Well Volumes						
	1	2	3				
Start Time	1500	1510	1520				
End Time	1508	1519	1531				
Gallons Purged	0.4	0.8	1.2				
Temp (C)	12.80	10.42	10.00				
pH	7.40	7.35	7.46				
Spec. Conduc. (mS/cm)	1.18	1.05	0.99				
Turbidity (NTU)	NM	NM	NM				

Probe type:

Appearance at start: Light gray, no oder, no product/sheen

Appearance at end: Dark gray, no oder, no product/sheen

Other Observations: Lots of gray silt in samples

Amount of water removed: 1.2 gallons

Depth to water before sampling: NM ft. (below top of inner casing)

Parameters Sampled For: VOCs by 8260 Sample Time: 1535

NOTES:

Sample name: K-16-2-113017

Soil Vapor Sampling Logs

Soil Vapor Intrusion Sampling Form

Project # 65305.002.016
Project Name United 1-Hour Cleaners

Date 08/23/17
Collector RDH/JAM

Sample Location
SV-01

Canister Record
Canister ID 4916
Flow controller ID 5187
Sample duration 2-Hour

Sample ID SV-01-082317

Sample point installation date/time 08/23/17 0945
Sample start date/time 08/23/17 1240
Sample end date/time 08/23/17 1421

Gauge prior to start 0
Start pressure ("Hg) > -30" Hg
End pressure ("Hg) -4.6" Hg

Outside weather conditions:
Air temperature (°F) 76°F
Barometric pressure 29.83 - 29.84 inches
Rainfall 0.00 inches
Relative humidity 42-45%
Wind direction West
Wind speed 14-15 mph, Gusts 21-22 mph
Substantial changes in weather conditions during sample point installation, sampling, or over the past 24 to 48 hours. Significant rain event August 22nd - 23rd. 0.33 inches of rain.

Tubing type used Polyethylene
Ft. tubing used 5.0'
Purge volume 80cc
Sample depth 2.0' - 3.0' bg

Tracer gas used He
Chamber tracer gas concentration (%) 83%
Sample tracer gas concentration (%) 21%

Comments: PPB Rae = 865 ppb at tubing opening
Ambient Air = 0 ppb

Analytical method required Standard List VOCs USEPA Method TO-15
Laboratory used TestAmerica

Soil Vapor Intrusion Sampling Form

Project # 65305.002.016
Project Name United 1-Hour Cleaners

Date 08/23/17
Collector ROH / JAM

Sample Location
SV-02

Canister Record
Canister ID 5435
Flow controller ID 5241
Sample duration 2-Hour

Sample ID SV-02-082317

Sample point installation date/time 08/23/17 1030
Sample start date/time 08/23/17 1239
Sample end date/time 08/23/17 1439

Gauge prior to start 0
Start pressure ("Hg) >-30" Hg
End pressure ("Hg) -6.5" Hg

Outside weather conditions:
Air temperature (°F) 76°F
Rainfall 0.00 inches
Wind direction West
Barometric pressure 29.83 - 29.84 inches
Relative humidity 42-45%
Wind speed 14-15 mph, Gusts 21-22 mph
Substantial changes in weather conditions during sample point installation, sampling, or over the past 24 to 48 hours.
Significant rain event August 22nd - 23rd 0.33 inches of rain

Tubing type used ~~polyethylene~~
Ft. tubing used 5.0'
Purge volume 80 cc
Sample depth 2.0'-3.0' bg

Tracer gas used He
Chamber tracer gas concentration (%) 67%
Sample tracer gas concentration (%) 0 ppm

Comments:
PID Reading = 353 ppb at tubing opening
Ambient Air = 0 ppb

Analytical method required Standard List VOCs USEPA Method TO-15
Laboratory used TestAmerica

Soil Vapor Intrusion Sampling Form

Project # 65305.002.016
Project Name United 1-Hour Cleaners

Date 08/23/17
Collector RDH / JAM

Sample Location
SV-03

Canister Record
Canister ID 5640
Flow controller ID 4207 / 13098
Sample duration 2-Hour

Sample ID SV-03-082317

Sample point installation date/time 08/23/17 / 1100
Sample start date/time 08/23/17 / 1238
Sample end date/time 08/23/17 / 1455

Gauge prior to start 0
Start pressure ("Hg) 7-30" Hg
End pressure ("Hg) -19.7" Hg

Outside weather conditions:
Air temperature (°F) 76°F
Barometric pressure 29.83 - 29.84 inches
Rainfall 0.00 inches
Relative humidity 42-45%
Wind direction West
Wind speed 14-15 mph, Gusts 21-22 mph

Substantial changes in weather conditions during sample point installation, sampling, or over the past 24 to 48 hours.
Significant rain event August 22nd - 23rd. 0.33 inches of rain.

Tubing type used polyethylene
Ft. tubing used 6.0'
Purge volume 80cc
Sample depth 2.0' - 3.0' bg

Tracer gas used He
Chamber tracer gas concentration (%) 69%
Sample tracer gas concentration (%) 11%

Comments:
PPB Rae = 933 ppb at tubing opening
Ambient = 0 ppb
1320 - Observed small amount of water in sample line during sample collection.
1405 - Switch at flow controller at 1405. Water in line may be plugging intake of air.

Analytical method required Standard List VOCs USEPA Method TO-15
Laboratory used TestAmerica

Soil Vapor Intrusion Sampling Form

Project # 65305.002.016
Project Name United 1-Hour Cleaners

Date 08/23/17
Collector RDH/JAM

Sample Location
SV-04

Canister Record
Canister ID 3370
Flow controller ID 4742
Sample duration 2-Hour

Sample ID SV-04-082317

Sample point installation date/time 08/23/17 1120
Sample start date/time 08/23/17 1235
Sample end date/time 08/23/17 1435

Gauge prior to start -1" Hg
Start pressure ("Hg) >-30" Hg
End pressure ("Hg) -5.9" Hg

Outside weather conditions:

Air temperature (°F) 76°F
Barometric pressure 29.83-29.84 inches
Rainfall 0.00 inches
Relative humidity 42-45%
Wind direction West
Wind speed 14-15 mph, Gusts 21-22 mph

Substantial changes in weather conditions during sample point installation, sampling, or over the past 24 to 48 hours.
Significant rain event August 22nd-23rd, 0.33 inches of rain.

Tubing type used polyethylene
Ft. tubing used 6.0'
Purge volume 80 cc
Sample depth 2.0'-3.0' bg

Tracer gas used He
Chamber tracer gas concentration (%) 63%
Sample tracer gas concentration (%) 0 ppm

Comments: PPB Rae: 5,636 ppb at tubing opening
Ambient Air: 0 ppb

Analytical method required Standard List VOCs USEPA Method TO-15
Laboratory used TestAmerica

Multiple Vapor Intrusion Sampling Form

Project # 65305.002.016
Project Name United 1-Hour Cleaners
Date August 23, 2017
Collector JAM/RDH

Structure Location
United 1-Hour Cleaners
PID/FID meter ID 594 - 903034
Sample Duration (Intended) 2-hr

Sample Locations
AA - 082317

Indoor Air Sample		Sub-structure Sample		Circle Sample Type: Indoor Air / SS-DUP / Ambient / IA-DUP
Sample ID		Sample ID		Sample ID: AA-082317
Canister ID		Canister ID		Canister ID: 3523
Flow Controller ID		Flow Controller ID		Flow Controller ID: 5211
Date/Time start		Date/Time start		Date/Time start: 08/23/17 1232
Date/Time end		Date/Time end		Date/Time end: 08/23/17 1432
Gauge prior to start		Gauge prior to start		Gauge prior to start: 1" Hg
Start press. (Hg")		Start press. (Hg")		Start press. (Hg"): -28" Hg
End press. (Hg")		End press. (Hg")		End press. (Hg"): -6.2" Hg
Complete all that apply:		Complete all that apply:		Complete all that apply:
Air temperature (°F)		Air temperature (°F)		Air temperature (°F): 76
PID/FID reading (ppb)		PID/FID reading (ppb)		PID/FID reading (ppb): 0
in. tubing used		in. tubing used		in. tubing used: NA
Tubing purged?		Tubing purged?		Tubing purged: NA
For indoor location:		For indoor location:		For outdoor location:
Noticeable odor		Noticeable odor		Noticeable odor: None
Intake height above floor (in)		Floor slab depth		Distance to road (ft): ~5'
Floor surface type		Intake depth below floor (in)		Direction to closest building (degrees): ~180°
Room		Floor surface type		Distance to closest building (ft): ~20'
Story/level		Room		Intake height above ground level (in): 37"
		Story/level		

Building Survey / Chemical Inventory Form Completed? NA / NA
Photographs Taken? Yes

Comments:

Analytical method required: Standard List VOCs USEPA Method TO-15
Laboratory used: TestAmerica

CAMP Data

17/11/21 08:57

Summary

Unit Name	MiniRAE 3000
Unit SN	592-913353
Unit Firmware Ver	V1.20A
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2017/11/21 08:57:51
End	2017/11/21 17:35:17
Sample Period(s)	60
Number of Records	517
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2017/11/16 15:43
Peak	0.041
Min	0.000
Average	0.000

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2017/11/21 08:58:51	0.000	0.000	0.000
002	2017/11/21 08:59:51	0.000	0.000	0.000
003	2017/11/21 09:00:51	0.011	0.130	0.000
004	2017/11/21 09:01:51	0.000	0.000	0.000
005	2017/11/21 09:02:51	0.000	0.000	0.000
006	2017/11/21 09:03:51	0.000	0.000	0.000
007	2017/11/21 09:04:51	0.000	0.000	0.000
008	2017/11/21 09:05:51	0.000	0.000	0.000
009	2017/11/21 09:06:51	0.000	0.000	0.000
010	2017/11/21 09:07:51	0.000	0.000	0.000
011	2017/11/21 09:08:51	0.000	0.000	0.000
012	2017/11/21 09:09:51	0.000	0.000	0.000
013	2017/11/21 09:10:51	0.000	0.000	0.000
014	2017/11/21 09:11:51	0.000	0.000	0.000
015	2017/11/21 09:12:51	0.000	0.000	0.000
016	2017/11/21 09:13:51	0.000	0.000	0.000
017	2017/11/21 09:14:51	0.000	0.000	0.000
018	2017/11/21 09:15:51	0.000	0.000	0.000
019	2017/11/21 09:16:51	0.000	0.000	0.000
020	2017/11/21 09:17:51	0.000	0.000	0.000
021	2017/11/21 09:18:51	0.000	0.000	0.000
022	2017/11/21 09:19:51	0.000	0.000	0.000

023	2017/11/21 09:20:51	0.000	0.000	0.000
024	2017/11/21 09:21:51	0.000	0.000	0.000
025	2017/11/21 09:22:51	0.000	0.000	0.000
026	2017/11/21 09:23:51	0.000	0.000	0.000
027	2017/11/21 09:24:51	0.000	0.000	0.000
028	2017/11/21 09:25:51	0.000	0.000	0.000
029	2017/11/21 09:26:51	0.000	0.000	0.000
030	2017/11/21 09:27:51	0.000	0.000	0.000
031	2017/11/21 09:28:51	0.000	0.000	0.000
032	2017/11/21 09:29:51	0.000	0.000	0.000
033	2017/11/21 09:30:51	0.000	0.000	0.000
034	2017/11/21 09:31:51	0.000	0.000	0.000
035	2017/11/21 09:32:51	0.000	0.000	0.000
036	2017/11/21 09:33:51	0.000	0.000	0.000
037	2017/11/21 09:34:51	0.000	0.000	0.000
038	2017/11/21 09:35:51	0.000	0.000	0.000
039	2017/11/21 09:36:51	0.000	0.000	0.000
040	2017/11/21 09:37:51	0.000	0.000	0.000
041	2017/11/21 09:38:51	0.000	0.000	0.000
042	2017/11/21 09:39:51	0.000	0.000	0.000
043	2017/11/21 09:40:51	0.000	0.000	0.000
044	2017/11/21 09:41:51	0.000	0.000	0.000
045	2017/11/21 09:42:51	0.000	0.000	0.000
046	2017/11/21 09:43:51	0.000	0.000	0.000
047	2017/11/21 09:44:51	0.000	0.000	0.000
048	2017/11/21 09:45:51	0.000	0.000	0.000
049	2017/11/21 09:46:51	0.000	0.000	0.000
050	2017/11/21 09:47:51	0.000	0.000	0.000
051	2017/11/21 09:48:51	0.000	0.000	0.000
052	2017/11/21 09:49:51	0.000	0.000	0.000
053	2017/11/21 09:50:51	0.000	0.000	0.000
054	2017/11/21 09:51:51	0.000	0.000	0.000
055	2017/11/21 09:52:51	0.000	0.000	0.000
056	2017/11/21 09:53:51	0.000	0.000	0.000
057	2017/11/21 09:54:51	0.000	0.000	0.000
058	2017/11/21 09:55:51	0.000	0.000	0.000
059	2017/11/21 09:56:51	0.000	0.000	0.000
060	2017/11/21 09:57:51	0.000	0.000	0.000
061	2017/11/21 09:58:51	0.000	0.000	0.000
062	2017/11/21 09:59:51	0.000	0.000	0.000
063	2017/11/21 10:00:51	0.000	0.000	0.000
064	2017/11/21 10:01:51	0.000	0.000	0.000
065	2017/11/21 10:02:51	0.000	0.000	0.000
066	2017/11/21 10:03:51	0.000	0.000	0.000
067	2017/11/21 10:04:51	0.000	0.000	0.000
068	2017/11/21 10:05:51	0.000	0.000	0.000
069	2017/11/21 10:06:51	0.000	0.000	0.000
070	2017/11/21 10:07:51	0.000	0.000	0.000
071	2017/11/21 10:08:51	0.000	0.000	0.000
072	2017/11/21 10:09:51	0.000	0.000	0.000
073	2017/11/21 10:10:51	0.000	0.000	0.000
074	2017/11/21 10:11:51	0.000	0.000	0.000
075	2017/11/21 10:12:51	0.000	0.000	0.000
076	2017/11/21 10:13:51	0.000	0.000	0.000
077	2017/11/21 10:14:51	0.000	0.000	0.000
078	2017/11/21 10:15:51	0.000	0.000	0.000
079	2017/11/21 10:16:51	0.000	0.000	0.000
080	2017/11/21 10:17:51	0.000	0.000	0.000
081	2017/11/21 10:18:51	0.000	0.000	0.000
082	2017/11/21 10:19:51	0.000	0.000	0.000
083	2017/11/21 10:20:51	0.000	0.000	0.000
084	2017/11/21 10:21:51	0.000	0.000	0.000
085	2017/11/21 10:22:51	0.000	0.000	0.000

086	2017/11/21 10:23:51	0.000	0.000	0.000
087	2017/11/21 10:24:51	0.000	0.000	0.000
088	2017/11/21 10:25:51	0.000	0.000	0.000
089	2017/11/21 10:26:51	0.000	0.000	0.000
090	2017/11/21 10:27:51	0.000	0.000	0.000
091	2017/11/21 10:28:51	0.000	0.000	0.000
092	2017/11/21 10:29:51	0.000	0.000	0.000
093	2017/11/21 10:30:51	0.000	0.000	0.000
094	2017/11/21 10:31:51	0.000	0.000	0.000
095	2017/11/21 10:32:51	0.000	0.000	0.000
096	2017/11/21 10:33:51	0.000	0.000	0.000
097	2017/11/21 10:34:51	0.000	0.000	0.000
098	2017/11/21 10:35:51	0.000	0.000	0.000
099	2017/11/21 10:36:51	0.000	0.000	0.000
100	2017/11/21 10:37:51	0.000	0.000	0.000
101	2017/11/21 10:38:51	0.000	0.000	0.000
102	2017/11/21 10:39:51	0.000	0.000	0.000
103	2017/11/21 10:40:51	0.000	0.000	0.000
104	2017/11/21 10:41:51	0.000	0.000	0.000
105	2017/11/21 10:42:51	0.000	0.000	0.000
106	2017/11/21 10:43:51	0.000	0.000	0.000
107	2017/11/21 10:44:51	0.000	0.000	0.000
108	2017/11/21 10:45:51	0.000	0.000	0.000
109	2017/11/21 10:46:51	0.000	0.000	0.000
110	2017/11/21 10:47:51	0.000	0.000	0.000
111	2017/11/21 10:48:51	0.000	0.000	0.000
112	2017/11/21 10:49:51	0.000	0.000	0.000
113	2017/11/21 10:50:51	0.000	0.000	0.000
114	2017/11/21 10:51:51	0.000	0.000	0.000
115	2017/11/21 10:52:51	0.000	0.000	0.000
116	2017/11/21 10:53:51	0.000	0.000	0.000
117	2017/11/21 10:54:51	0.000	0.000	0.000
118	2017/11/21 10:55:51	0.000	0.000	0.000
119	2017/11/21 10:56:51	0.000	0.000	0.000
120	2017/11/21 10:57:51	0.000	0.000	0.000
121	2017/11/21 10:58:51	0.000	0.000	0.000
122	2017/11/21 10:59:51	0.000	0.000	0.000
123	2017/11/21 11:00:51	0.000	0.000	0.000
124	2017/11/21 11:01:51	0.000	0.000	0.000
125	2017/11/21 11:02:51	0.000	0.000	0.000
126	2017/11/21 11:03:51	0.000	0.000	0.000
127	2017/11/21 11:04:51	0.000	0.000	0.000
128	2017/11/21 11:05:51	0.000	0.000	0.000
129	2017/11/21 11:06:51	0.000	0.000	0.000
130	2017/11/21 11:07:51	0.000	0.000	0.000
131	2017/11/21 11:08:51	0.000	0.000	0.000
132	2017/11/21 11:09:51	0.000	0.000	0.000
133	2017/11/21 11:10:51	0.000	0.000	0.000
134	2017/11/21 11:11:51	0.000	0.000	0.000
135	2017/11/21 11:12:51	0.000	0.000	0.000
136	2017/11/21 11:13:51	0.000	0.000	0.000
137	2017/11/21 11:14:51	0.000	0.000	0.000
138	2017/11/21 11:15:51	0.000	0.000	0.000
139	2017/11/21 11:16:51	0.000	0.000	0.000
140	2017/11/21 11:17:51	0.000	0.000	0.000
141	2017/11/21 11:18:51	0.000	0.000	0.000
142	2017/11/21 11:19:51	0.000	0.000	0.000
143	2017/11/21 11:20:51	0.000	0.000	0.000
144	2017/11/21 11:21:51	0.000	0.000	0.000
145	2017/11/21 11:22:51	0.000	0.000	0.000
146	2017/11/21 11:23:51	0.000	0.000	0.000
147	2017/11/21 11:24:51	0.000	0.000	0.000
148	2017/11/21 11:25:51	0.000	0.000	0.000

149	2017/11/21	11:26:51	0.000	0.000	0.000
150	2017/11/21	11:27:51	0.000	0.000	0.000
151	2017/11/21	11:28:51	0.000	0.000	0.000
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153	2017/11/21	11:30:51	0.000	0.000	0.000
154	2017/11/21	11:31:51	0.000	0.000	0.000
155	2017/11/21	11:32:51	0.000	0.000	0.000
156	2017/11/21	11:33:51	0.000	0.000	0.000
157	2017/11/21	11:34:51	0.000	0.000	0.000
158	2017/11/21	11:35:51	0.000	0.000	0.000
159	2017/11/21	11:36:51	0.000	0.000	0.000
160	2017/11/21	11:37:51	0.000	0.000	0.000
161	2017/11/21	11:38:51	0.000	0.000	0.000
162	2017/11/21	11:39:51	0.000	0.000	0.000
163	2017/11/21	11:40:51	0.000	0.000	0.000
164	2017/11/21	11:41:51	0.000	0.000	0.000
165	2017/11/21	11:42:51	0.000	0.000	0.000
166	2017/11/21	11:43:51	0.000	0.000	0.000
167	2017/11/21	11:44:51	0.000	0.000	0.000
168	2017/11/21	11:45:51	0.000	0.000	0.000
169	2017/11/21	11:46:51	0.000	0.000	0.000
170	2017/11/21	11:47:51	0.000	0.000	0.000
171	2017/11/21	11:48:51	0.000	0.000	0.000
172	2017/11/21	11:49:51	0.000	0.000	0.000
173	2017/11/21	11:50:51	0.000	0.000	0.000
174	2017/11/21	11:51:51	0.000	0.000	0.000
175	2017/11/21	11:52:51	0.000	0.000	0.000
176	2017/11/21	11:53:51	0.000	0.000	0.000
177	2017/11/21	11:54:51	0.000	0.000	0.000
178	2017/11/21	11:55:51	0.000	0.000	0.000
179	2017/11/21	11:56:51	0.000	0.000	0.000
180	2017/11/21	11:57:51	0.000	0.000	0.000
181	2017/11/21	11:58:51	0.000	0.000	0.000
182	2017/11/21	11:59:51	0.000	0.000	0.000
183	2017/11/21	12:00:51	0.000	0.000	0.000
184	2017/11/21	12:01:51	0.000	0.000	0.000
185	2017/11/21	12:02:51	0.000	0.000	0.000
186	2017/11/21	12:03:51	0.000	0.000	0.000
187	2017/11/21	12:04:51	0.000	0.000	0.000
188	2017/11/21	12:05:51	0.000	0.000	0.000
189	2017/11/21	12:06:51	0.000	0.000	0.000
190	2017/11/21	12:07:51	0.000	0.000	0.000
191	2017/11/21	12:08:51	0.000	0.000	0.000
192	2017/11/21	12:09:51	0.000	0.000	0.000
193	2017/11/21	12:10:51	0.000	0.000	0.000
194	2017/11/21	12:11:51	0.000	0.000	0.000
195	2017/11/21	12:12:51	0.000	0.000	0.000
196	2017/11/21	12:13:51	0.000	0.000	0.000
197	2017/11/21	12:14:51	0.000	0.000	0.000
198	2017/11/21	12:15:51	0.000	0.000	0.000
199	2017/11/21	12:16:51	0.000	0.000	0.000
200	2017/11/21	12:17:51	0.000	0.000	0.000
201	2017/11/21	12:18:51	0.000	0.000	0.000
202	2017/11/21	12:19:51	0.000	0.000	0.000
203	2017/11/21	12:20:51	0.000	0.000	0.000
204	2017/11/21	12:21:51	0.000	0.000	0.000
205	2017/11/21	12:22:51	0.000	0.000	0.000
206	2017/11/21	12:23:51	0.000	0.000	0.000
207	2017/11/21	12:24:51	0.000	0.000	0.000
208	2017/11/21	12:25:51	0.000	0.000	0.000
209	2017/11/21	12:26:51	0.000	0.000	0.000
210	2017/11/21	12:27:51	0.000	0.000	0.000
211	2017/11/21	12:28:51	0.000	0.000	0.000

212	2017/11/21 12:29:51	0.000	0.000	0.000
213	2017/11/21 12:30:51	0.000	0.000	0.000
214	2017/11/21 12:31:51	0.000	0.000	0.000
215	2017/11/21 12:32:51	0.000	0.000	0.000
216	2017/11/21 12:33:51	0.000	0.000	0.000
217	2017/11/21 12:34:51	0.000	0.000	0.000
218	2017/11/21 12:35:51	0.000	0.000	0.000
219	2017/11/21 12:36:51	0.000	0.000	0.000
220	2017/11/21 12:37:51	0.000	0.000	0.000
221	2017/11/21 12:38:51	0.000	0.000	0.000
222	2017/11/21 12:39:51	0.000	0.000	0.000
223	2017/11/21 12:40:51	0.000	0.000	0.000
224	2017/11/21 12:41:51	0.000	0.000	0.000
225	2017/11/21 12:42:51	0.000	0.000	0.000
226	2017/11/21 12:43:51	0.000	0.000	0.000
227	2017/11/21 12:44:51	0.000	0.000	0.000
228	2017/11/21 12:45:51	0.000	0.000	0.000
229	2017/11/21 12:46:51	0.000	0.000	0.000
230	2017/11/21 12:47:51	0.000	0.000	0.000
231	2017/11/21 12:48:51	0.000	0.000	0.000
232	2017/11/21 12:49:51	0.000	0.000	0.000
233	2017/11/21 12:50:51	0.000	0.000	0.000
234	2017/11/21 12:51:51	0.000	0.000	0.000
235	2017/11/21 12:52:51	0.000	0.000	0.000
236	2017/11/21 12:53:51	0.000	0.000	0.000
237	2017/11/21 12:54:51	0.000	0.000	0.000
238	2017/11/21 12:55:51	0.000	0.000	0.000
239	2017/11/21 12:56:51	0.000	0.000	0.000
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241	2017/11/21 12:58:51	0.000	0.000	0.000
242	2017/11/21 12:59:51	0.000	0.000	0.000
243	2017/11/21 13:00:51	0.000	0.000	0.000
244	2017/11/21 13:01:51	0.000	0.000	0.000
245	2017/11/21 13:02:51	0.000	0.000	0.000
246	2017/11/21 13:03:51	0.000	0.000	0.000
247	2017/11/21 13:04:51	0.000	0.000	0.000
248	2017/11/21 13:05:51	0.000	0.000	0.000
249	2017/11/21 13:06:51	0.000	0.000	0.000
250	2017/11/21 13:07:51	0.000	0.000	0.000
251	2017/11/21 13:08:51	0.000	0.000	0.000
252	2017/11/21 13:09:51	0.000	0.000	0.000
253	2017/11/21 13:10:51	0.000	0.000	0.000
254	2017/11/21 13:11:51	0.000	0.000	0.000
255	2017/11/21 13:12:51	0.000	0.000	0.000
256	2017/11/21 13:13:51	0.000	0.000	0.000
257	2017/11/21 13:14:51	0.000	0.000	0.000
258	2017/11/21 13:15:51	0.000	0.000	0.000
259	2017/11/21 13:16:51	0.000	0.000	0.000
260	2017/11/21 13:17:51	0.000	0.000	0.000
261	2017/11/21 13:18:51	0.000	0.000	0.000
262	2017/11/21 13:19:51	0.000	0.000	0.000
263	2017/11/21 13:20:51	0.000	0.000	0.000
264	2017/11/21 13:21:51	0.000	0.000	0.000
265	2017/11/21 13:22:51	0.000	0.000	0.000
266	2017/11/21 13:23:51	0.000	0.000	0.000
267	2017/11/21 13:24:51	0.000	0.000	0.000
268	2017/11/21 13:25:51	0.000	0.000	0.000
269	2017/11/21 13:26:51	0.000	0.000	0.000
270	2017/11/21 13:27:51	0.000	0.000	0.000
271	2017/11/21 13:28:51	0.000	0.000	0.000
272	2017/11/21 13:29:51	0.000	0.000	0.000
273	2017/11/21 13:30:51	0.000	0.000	0.000
274	2017/11/21 13:31:51	0.000	0.000	0.000

275	2017/11/21	13:32:51	0.000	0.000	0.000
276	2017/11/21	13:33:51	0.000	0.000	0.000
277	2017/11/21	13:34:51	0.000	0.000	0.000
278	2017/11/21	13:35:51	0.000	0.000	0.000
279	2017/11/21	13:36:51	0.000	0.000	0.000
280	2017/11/21	13:37:51	0.000	0.000	0.000
281	2017/11/21	13:38:51	0.000	0.000	0.000
282	2017/11/21	13:39:51	0.000	0.000	0.000
283	2017/11/21	13:40:51	0.000	0.000	0.000
284	2017/11/21	13:41:51	0.000	0.000	0.000
285	2017/11/21	13:42:51	0.000	0.000	0.000
286	2017/11/21	13:43:51	0.000	0.000	0.000
287	2017/11/21	13:44:51	0.000	0.000	0.000
288	2017/11/21	13:45:51	0.000	0.000	0.000
289	2017/11/21	13:46:51	0.000	0.000	0.000
290	2017/11/21	13:47:51	0.000	0.000	0.000
291	2017/11/21	13:48:51	0.000	0.000	0.000
292	2017/11/21	13:49:51	0.000	0.000	0.000
293	2017/11/21	13:50:51	0.000	0.000	0.000
294	2017/11/21	13:51:51	0.000	0.000	0.000
295	2017/11/21	13:52:51	0.000	0.000	0.000
296	2017/11/21	13:53:51	0.000	0.000	0.000
297	2017/11/21	13:54:51	0.000	0.000	0.000
298	2017/11/21	13:55:51	0.000	0.000	0.000
299	2017/11/21	13:56:51	0.000	0.000	0.000
300	2017/11/21	13:57:51	0.004	0.073	0.000
301	2017/11/21	13:58:51	0.000	0.000	0.000
302	2017/11/21	13:59:51	0.000	0.000	0.000
303	2017/11/21	14:00:51	0.000	0.000	0.000
304	2017/11/21	14:01:51	0.000	0.000	0.000
305	2017/11/21	14:02:51	0.000	0.000	0.000
306	2017/11/21	14:03:51	0.000	0.000	0.000
307	2017/11/21	14:04:51	0.000	0.000	0.000
308	2017/11/21	14:05:51	0.007	0.059	0.000
309	2017/11/21	14:06:51	0.000	0.000	0.000
310	2017/11/21	14:07:51	0.000	0.007	0.000
311	2017/11/21	14:08:51	0.000	0.000	0.000
312	2017/11/21	14:09:51	0.000	0.000	0.000
313	2017/11/21	14:10:51	0.000	0.000	0.000
314	2017/11/21	14:11:51	0.000	0.000	0.000
315	2017/11/21	14:12:51	0.000	0.000	0.000
316	2017/11/21	14:13:51	0.000	0.000	0.000
317	2017/11/21	14:14:51	0.000	0.006	0.000
318	2017/11/21	14:15:51	0.000	0.000	0.000
319	2017/11/21	14:16:51	0.000	0.000	0.000
320	2017/11/21	14:17:51	0.000	0.000	0.000
321	2017/11/21	14:18:51	0.000	0.000	0.000
322	2017/11/21	14:19:51	0.000	0.000	0.000
323	2017/11/21	14:20:51	0.000	0.000	0.000
324	2017/11/21	14:21:51	0.000	0.000	0.000
325	2017/11/21	14:22:51	0.000	0.000	0.000
326	2017/11/21	14:23:51	0.000	0.000	0.000
327	2017/11/21	14:24:51	0.000	0.000	0.000
328	2017/11/21	14:25:51	0.000	0.000	0.000
329	2017/11/21	14:26:51	0.000	0.000	0.000
330	2017/11/21	14:27:51	0.000	0.000	0.000
331	2017/11/21	14:28:51	0.000	0.000	0.000
332	2017/11/21	14:29:51	0.000	0.000	0.000
333	2017/11/21	14:30:51	0.000	0.000	0.000
334	2017/11/21	14:31:51	0.000	0.000	0.000
335	2017/11/21	14:32:51	0.000	0.000	0.000
336	2017/11/21	14:33:51	0.000	0.000	0.000
337	2017/11/21	14:34:51	0.000	0.000	0.000

338	2017/11/21	14:35:51	0.000	0.000	0.000
339	2017/11/21	14:36:51	0.000	0.000	0.000
340	2017/11/21	14:37:51	0.000	0.000	0.000
341	2017/11/21	14:38:51	0.000	0.000	0.000
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343	2017/11/21	14:40:51	0.001	0.027	0.023
344	2017/11/21	14:41:51	0.000	0.023	0.000
345	2017/11/21	14:42:51	0.000	0.012	0.000
346	2017/11/21	14:43:51	0.000	0.000	0.000
347	2017/11/21	14:44:51	0.000	0.000	0.000
348	2017/11/21	14:45:51	0.000	0.000	0.000
349	2017/11/21	14:46:51	0.000	0.000	0.000
350	2017/11/21	14:47:51	0.000	0.000	0.000
351	2017/11/21	14:48:51	0.000	0.000	0.000
352	2017/11/21	14:49:51	0.000	0.000	0.000
353	2017/11/21	14:50:51	0.000	0.000	0.000
354	2017/11/21	14:51:51	0.000	0.000	0.000
355	2017/11/21	14:52:51	0.000	0.000	0.000
356	2017/11/21	14:53:51	0.000	0.000	0.000
357	2017/11/21	14:54:51	0.000	0.000	0.000
358	2017/11/21	14:55:51	0.000	0.000	0.000
359	2017/11/21	14:56:51	0.000	0.000	0.000
360	2017/11/21	14:57:51	0.000	0.000	0.000
361	2017/11/21	14:58:51	0.000	0.000	0.000
362	2017/11/21	14:59:51	0.000	0.000	0.000
363	2017/11/21	15:00:51	0.000	0.000	0.000
364	2017/11/21	15:01:51	0.000	0.000	0.000
365	2017/11/21	15:02:51	0.000	0.006	0.000
366	2017/11/21	15:03:51	0.000	0.000	0.000
367	2017/11/21	15:04:51	0.000	0.000	0.000
368	2017/11/21	15:05:51	0.000	0.000	0.000
369	2017/11/21	15:06:51	0.000	0.000	0.000
370	2017/11/21	15:07:51	0.000	0.000	0.000
371	2017/11/21	15:08:51	0.002	0.038	0.000
372	2017/11/21	15:09:51	0.002	0.030	0.000
373	2017/11/21	15:10:51	0.000	0.000	0.000
374	2017/11/21	15:11:51	0.000	0.000	0.000
375	2017/11/21	15:12:51	0.000	0.009	0.000
376	2017/11/21	15:13:51	0.000	0.000	0.000
377	2017/11/21	15:14:51	0.000	0.000	0.000
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379	2017/11/21	15:16:51	0.000	0.000	0.000
380	2017/11/21	15:17:51	0.000	0.000	0.000
381	2017/11/21	15:18:51	0.000	0.000	0.000
382	2017/11/21	15:19:51	0.000	0.000	0.000
383	2017/11/21	15:20:51	0.000	0.000	0.000
384	2017/11/21	15:21:51	0.000	0.000	0.000
385	2017/11/21	15:22:51	0.000	0.000	0.000
386	2017/11/21	15:23:51	0.000	0.000	0.000
387	2017/11/21	15:24:51	0.000	0.000	0.000
388	2017/11/21	15:25:51	0.000	0.000	0.000
389	2017/11/21	15:26:51	0.000	0.000	0.000
390	2017/11/21	15:27:51	0.000	0.000	0.000
391	2017/11/21	15:28:51	0.000	0.000	0.000
392	2017/11/21	15:29:51	0.000	0.000	0.000
393	2017/11/21	15:30:51	0.000	0.000	0.000
394	2017/11/21	15:31:51	0.000	0.000	0.000
395	2017/11/21	15:32:51	0.000	0.000	0.000
396	2017/11/21	15:33:51	0.000	0.000	0.000
397	2017/11/21	15:34:51	0.000	0.000	0.000
398	2017/11/21	15:35:51	0.000	0.000	0.000
399	2017/11/21	15:36:51	0.000	0.000	0.000
400	2017/11/21	15:37:51	0.000	0.000	0.000

401	2017/11/21 15:38:51	0.000	0.000	0.000
402	2017/11/21 15:39:51	0.000	0.000	0.000
403	2017/11/21 15:40:51	0.000	0.000	0.000
404	2017/11/21 15:41:51	0.000	0.000	0.000
405	2017/11/21 15:42:51	0.000	0.000	0.000
406	2017/11/21 15:43:51	0.000	0.000	0.000
407	2017/11/21 15:44:51	0.000	0.000	0.000
408	2017/11/21 15:45:51	0.000	0.000	0.000
409	2017/11/21 15:46:51	0.000	0.000	0.000
410	2017/11/21 15:47:51	0.000	0.000	0.000
411	2017/11/21 15:48:51	0.000	0.000	0.000
412	2017/11/21 15:49:51	0.000	0.000	0.000
413	2017/11/21 15:50:51	0.000	0.000	0.000
414	2017/11/21 15:51:51	0.000	0.000	0.000
415	2017/11/21 15:52:51	0.000	0.000	0.000
416	2017/11/21 15:53:51	0.000	0.000	0.000
417	2017/11/21 15:54:51	0.000	0.000	0.000
418	2017/11/21 15:55:51	0.000	0.000	0.000
419	2017/11/21 15:56:51	0.000	0.000	0.000
420	2017/11/21 15:57:51	0.000	0.000	0.000
421	2017/11/21 15:58:51	0.000	0.011	0.000
422	2017/11/21 15:59:51	0.000	0.000	0.000
423	2017/11/21 16:00:51	0.000	0.000	0.000
424	2017/11/21 16:01:51	0.000	0.000	0.000
425	2017/11/21 16:02:51	0.000	0.000	0.000
426	2017/11/21 16:03:51	0.000	0.000	0.000
427	2017/11/21 16:04:51	0.000	0.000	0.000
428	2017/11/21 16:05:51	0.000	0.000	0.000
429	2017/11/21 16:06:51	0.000	0.000	0.000
430	2017/11/21 16:07:51	0.001	0.017	0.000
431	2017/11/21 16:08:51	0.000	0.000	0.000
432	2017/11/21 16:09:51	0.002	0.034	0.000
433	2017/11/21 16:10:51	0.000	0.000	0.000
434	2017/11/21 16:11:51	0.000	0.000	0.000
435	2017/11/21 16:12:51	0.000	0.000	0.000
436	2017/11/21 16:13:51	0.000	0.000	0.000
437	2017/11/21 16:14:51	0.000	0.000	0.000
438	2017/11/21 16:15:51	0.000	0.000	0.000
439	2017/11/21 16:16:51	0.000	0.000	0.000
440	2017/11/21 16:17:51	0.000	0.000	0.000
441	2017/11/21 16:18:51	0.000	0.000	0.000
442	2017/11/21 16:19:51	0.000	0.000	0.000
443	2017/11/21 16:20:51	0.000	0.000	0.000
444	2017/11/21 16:21:51	0.000	0.000	0.000
445	2017/11/21 16:22:51	0.000	0.000	0.000
446	2017/11/21 16:23:51	0.000	0.000	0.000
447	2017/11/21 16:24:51	0.000	0.000	0.000
448	2017/11/21 16:25:51	0.000	0.000	0.000
449	2017/11/21 16:26:51	0.000	0.000	0.000
450	2017/11/21 16:27:51	0.000	0.000	0.000
451	2017/11/21 16:28:51	0.000	0.000	0.000
452	2017/11/21 16:29:51	0.000	0.000	0.000
453	2017/11/21 16:30:51	0.000	0.000	0.000
454	2017/11/21 16:31:51	0.000	0.000	0.000
455	2017/11/21 16:32:51	0.000	0.000	0.000
456	2017/11/21 16:33:51	0.000	0.000	0.000
457	2017/11/21 16:34:51	0.000	0.000	0.000
458	2017/11/21 16:35:51	0.000	0.000	0.000
459	2017/11/21 16:36:51	0.000	0.000	0.000
460	2017/11/21 16:37:51	0.002	0.033	0.000
461	2017/11/21 16:38:51	0.001	0.027	0.000
462	2017/11/21 16:39:51	0.000	0.013	0.000
463	2017/11/21 16:40:51	0.006	0.096	0.000

464	2017/11/21 16:41:51	0.000	0.000	0.000
465	2017/11/21 16:42:51	0.000	0.000	0.000
466	2017/11/21 16:43:51	0.000	0.000	0.000
467	2017/11/21 16:44:51	0.000	0.000	0.000
468	2017/11/21 16:45:51	0.000	0.000	0.000
469	2017/11/21 16:46:51	0.001	0.021	0.000
470	2017/11/21 16:47:51	0.004	0.050	0.000
471	2017/11/21 16:48:51	0.001	0.017	0.000
472	2017/11/21 16:49:51	0.000	0.000	0.000
473	2017/11/21 16:50:51	0.000	0.000	0.000
474	2017/11/21 16:51:51	0.000	0.000	0.000
475	2017/11/21 16:52:51	0.000	0.000	0.000
476	2017/11/21 16:53:51	0.000	0.003	0.000
477	2017/11/21 16:54:51	0.014	0.181	0.000
478	2017/11/21 16:55:51	0.000	0.013	0.000
479	2017/11/21 16:56:51	0.006	0.090	0.000
480	2017/11/21 16:57:51	0.000	0.000	0.000
481	2017/11/21 16:58:51	0.006	0.091	0.000
482	2017/11/21 16:59:51	0.002	0.035	0.000
483	2017/11/21 17:00:51	0.002	0.034	0.000
484	2017/11/21 17:01:51	0.005	0.060	0.000
485	2017/11/21 17:02:51	0.000	0.000	0.000
486	2017/11/21 17:03:51	0.002	0.037	0.000
487	2017/11/21 17:04:51	0.003	0.037	0.000
488	2017/11/21 17:05:51	0.002	0.027	0.000
489	2017/11/21 17:06:51	0.000	0.000	0.000
490	2017/11/21 17:07:51	0.000	0.000	0.000
491	2017/11/21 17:08:51	0.000	0.000	0.000
492	2017/11/21 17:09:51	0.000	0.000	0.000
493	2017/11/21 17:10:51	0.000	0.000	0.000
494	2017/11/21 17:11:51	0.000	0.000	0.000
495	2017/11/21 17:12:51	0.000	0.013	0.000
496	2017/11/21 17:13:51	0.000	0.000	0.000
497	2017/11/21 17:14:51	0.000	0.000	0.000
498	2017/11/21 17:15:51	0.000	0.000	0.000
499	2017/11/21 17:16:51	0.000	0.000	0.000
500	2017/11/21 17:17:51	0.000	0.000	0.000
501	2017/11/21 17:18:51	0.000	0.000	0.000
502	2017/11/21 17:19:51	0.000	0.000	0.000
503	2017/11/21 17:20:51	0.000	0.000	0.000
504	2017/11/21 17:21:51	0.000	0.000	0.000
505	2017/11/21 17:22:51	0.000	0.000	0.000
506	2017/11/21 17:23:51	0.000	0.000	0.000
507	2017/11/21 17:24:51	0.000	0.000	0.000
508	2017/11/21 17:25:51	0.000	0.000	0.000
509	2017/11/21 17:26:51	0.000	0.000	0.000
510	2017/11/21 17:27:51	0.006	0.105	0.000
511	2017/11/21 17:28:51	0.000	0.000	0.000
512	2017/11/21 17:29:51	0.000	0.000	0.000
513	2017/11/21 17:30:51	0.000	0.000	0.000
514	2017/11/21 17:31:51	0.000	0.000	0.000
515	2017/11/21 17:32:51	0.000	0.000	0.000
516	2017/11/21 17:33:51	0.000	0.000	0.000
517	2017/11/21 17:34:51	0.000	0.000	0.000
Peak		0.014	0.181	0.041
Min		0.000	0.000	0.000
Average		0.000	0.003	0.000

****

TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2017/11/21 08:58:51	0.000	---
002	2017/11/21 08:59:51	0.000	---

003	2017/11/21 09:00:51	0.000	---
004	2017/11/21 09:01:51	0.000	---
005	2017/11/21 09:02:51	0.000	---
006	2017/11/21 09:03:51	0.000	---
007	2017/11/21 09:04:51	0.000	---
008	2017/11/21 09:05:51	0.000	---
009	2017/11/21 09:06:51	0.000	---
010	2017/11/21 09:07:51	0.000	---
011	2017/11/21 09:08:51	0.000	---
012	2017/11/21 09:09:51	0.000	---
013	2017/11/21 09:10:51	0.000	---
014	2017/11/21 09:11:51	0.000	---
015	2017/11/21 09:12:51	0.000	0.000
016	2017/11/21 09:13:51	0.000	0.000
017	2017/11/21 09:14:51	0.000	0.000
018	2017/11/21 09:15:51	0.000	0.000
019	2017/11/21 09:16:51	0.000	0.000
020	2017/11/21 09:17:51	0.000	0.000
021	2017/11/21 09:18:51	0.000	0.000
022	2017/11/21 09:19:51	0.000	0.000
023	2017/11/21 09:20:51	0.000	0.000
024	2017/11/21 09:21:51	0.000	0.000
025	2017/11/21 09:22:51	0.000	0.000
026	2017/11/21 09:23:51	0.000	0.000
027	2017/11/21 09:24:51	0.000	0.000
028	2017/11/21 09:25:51	0.000	0.000
029	2017/11/21 09:26:51	0.000	0.000
030	2017/11/21 09:27:51	0.000	0.000
031	2017/11/21 09:28:51	0.000	0.000
032	2017/11/21 09:29:51	0.000	0.000
033	2017/11/21 09:30:51	0.000	0.000
034	2017/11/21 09:31:51	0.000	0.000
035	2017/11/21 09:32:51	0.000	0.000
036	2017/11/21 09:33:51	0.000	0.000
037	2017/11/21 09:34:51	0.000	0.000
038	2017/11/21 09:35:51	0.000	0.000
039	2017/11/21 09:36:51	0.000	0.000
040	2017/11/21 09:37:51	0.000	0.000
041	2017/11/21 09:38:51	0.000	0.000
042	2017/11/21 09:39:51	0.000	0.000
043	2017/11/21 09:40:51	0.000	0.000
044	2017/11/21 09:41:51	0.000	0.000
045	2017/11/21 09:42:51	0.000	0.000
046	2017/11/21 09:43:51	0.000	0.000
047	2017/11/21 09:44:51	0.000	0.000
048	2017/11/21 09:45:51	0.000	0.000
049	2017/11/21 09:46:51	0.000	0.000
050	2017/11/21 09:47:51	0.000	0.000
051	2017/11/21 09:48:51	0.000	0.000
052	2017/11/21 09:49:51	0.000	0.000
053	2017/11/21 09:50:51	0.000	0.000
054	2017/11/21 09:51:51	0.000	0.000
055	2017/11/21 09:52:51	0.000	0.000
056	2017/11/21 09:53:51	0.000	0.000
057	2017/11/21 09:54:51	0.000	0.000
058	2017/11/21 09:55:51	0.000	0.000
059	2017/11/21 09:56:51	0.000	0.000
060	2017/11/21 09:57:51	0.000	0.000
061	2017/11/21 09:58:51	0.000	0.000
062	2017/11/21 09:59:51	0.000	0.000
063	2017/11/21 10:00:51	0.000	0.000
064	2017/11/21 10:01:51	0.000	0.000
065	2017/11/21 10:02:51	0.000	0.000

066	2017/11/21 10:03:51	0.000	0.000
067	2017/11/21 10:04:51	0.000	0.000
068	2017/11/21 10:05:51	0.000	0.000
069	2017/11/21 10:06:51	0.000	0.000
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071	2017/11/21 10:08:51	0.000	0.000
072	2017/11/21 10:09:51	0.000	0.000
073	2017/11/21 10:10:51	0.000	0.000
074	2017/11/21 10:11:51	0.000	0.000
075	2017/11/21 10:12:51	0.000	0.000
076	2017/11/21 10:13:51	0.000	0.000
077	2017/11/21 10:14:51	0.000	0.000
078	2017/11/21 10:15:51	0.000	0.000
079	2017/11/21 10:16:51	0.000	0.000
080	2017/11/21 10:17:51	0.000	0.000
081	2017/11/21 10:18:51	0.000	0.000
082	2017/11/21 10:19:51	0.000	0.000
083	2017/11/21 10:20:51	0.000	0.000
084	2017/11/21 10:21:51	0.000	0.000
085	2017/11/21 10:22:51	0.000	0.000
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088	2017/11/21 10:25:51	0.000	0.000
089	2017/11/21 10:26:51	0.000	0.000
090	2017/11/21 10:27:51	0.000	0.000
091	2017/11/21 10:28:51	0.000	0.000
092	2017/11/21 10:29:51	0.000	0.000
093	2017/11/21 10:30:51	0.000	0.000
094	2017/11/21 10:31:51	0.000	0.000
095	2017/11/21 10:32:51	0.000	0.000
096	2017/11/21 10:33:51	0.000	0.000
097	2017/11/21 10:34:51	0.000	0.000
098	2017/11/21 10:35:51	0.000	0.000
099	2017/11/21 10:36:51	0.000	0.000
100	2017/11/21 10:37:51	0.000	0.000
101	2017/11/21 10:38:51	0.000	0.000
102	2017/11/21 10:39:51	0.000	0.000
103	2017/11/21 10:40:51	0.000	0.000
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105	2017/11/21 10:42:51	0.000	0.000
106	2017/11/21 10:43:51	0.000	0.000
107	2017/11/21 10:44:51	0.000	0.000
108	2017/11/21 10:45:51	0.000	0.000
109	2017/11/21 10:46:51	0.000	0.000
110	2017/11/21 10:47:51	0.000	0.000
111	2017/11/21 10:48:51	0.000	0.000
112	2017/11/21 10:49:51	0.000	0.000
113	2017/11/21 10:50:51	0.000	0.000
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115	2017/11/21 10:52:51	0.000	0.000
116	2017/11/21 10:53:51	0.000	0.000
117	2017/11/21 10:54:51	0.000	0.000
118	2017/11/21 10:55:51	0.000	0.000
119	2017/11/21 10:56:51	0.000	0.000
120	2017/11/21 10:57:51	0.000	0.000
121	2017/11/21 10:58:51	0.000	0.000
122	2017/11/21 10:59:51	0.000	0.000
123	2017/11/21 11:00:51	0.000	0.000
124	2017/11/21 11:01:51	0.000	0.000
125	2017/11/21 11:02:51	0.000	0.000
126	2017/11/21 11:03:51	0.000	0.000
127	2017/11/21 11:04:51	0.000	0.000
128	2017/11/21 11:05:51	0.000	0.000

129	2017/11/21	11:06:51	0.000 0.000
130	2017/11/21	11:07:51	0.000 0.000
131	2017/11/21	11:08:51	0.000 0.000
132	2017/11/21	11:09:51	0.000 0.000
133	2017/11/21	11:10:51	0.000 0.000
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135	2017/11/21	11:12:51	0.000 0.000
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137	2017/11/21	11:14:51	0.000 0.000
138	2017/11/21	11:15:51	0.000 0.000
139	2017/11/21	11:16:51	0.000 0.000
140	2017/11/21	11:17:51	0.000 0.000
141	2017/11/21	11:18:51	0.000 0.000
142	2017/11/21	11:19:51	0.000 0.000
143	2017/11/21	11:20:51	0.000 0.000
144	2017/11/21	11:21:51	0.000 0.000
145	2017/11/21	11:22:51	0.000 0.000
146	2017/11/21	11:23:51	0.000 0.000
147	2017/11/21	11:24:51	0.000 0.000
148	2017/11/21	11:25:51	0.000 0.000
149	2017/11/21	11:26:51	0.000 0.000
150	2017/11/21	11:27:51	0.000 0.000
151	2017/11/21	11:28:51	0.000 0.000
152	2017/11/21	11:29:51	0.000 0.000
153	2017/11/21	11:30:51	0.000 0.000
154	2017/11/21	11:31:51	0.000 0.000
155	2017/11/21	11:32:51	0.000 0.000
156	2017/11/21	11:33:51	0.000 0.000
157	2017/11/21	11:34:51	0.000 0.000
158	2017/11/21	11:35:51	0.000 0.000
159	2017/11/21	11:36:51	0.000 0.000
160	2017/11/21	11:37:51	0.000 0.000
161	2017/11/21	11:38:51	0.000 0.000
162	2017/11/21	11:39:51	0.000 0.000
163	2017/11/21	11:40:51	0.000 0.000
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169	2017/11/21	11:46:51	0.000 0.000
170	2017/11/21	11:47:51	0.000 0.000
171	2017/11/21	11:48:51	0.000 0.000
172	2017/11/21	11:49:51	0.000 0.000
173	2017/11/21	11:50:51	0.000 0.000
174	2017/11/21	11:51:51	0.000 0.000
175	2017/11/21	11:52:51	0.000 0.000
176	2017/11/21	11:53:51	0.000 0.000
177	2017/11/21	11:54:51	0.000 0.000
178	2017/11/21	11:55:51	0.000 0.000
179	2017/11/21	11:56:51	0.000 0.000
180	2017/11/21	11:57:51	0.000 0.000
181	2017/11/21	11:58:51	0.000 0.000
182	2017/11/21	11:59:51	0.000 0.000
183	2017/11/21	12:00:51	0.000 0.000
184	2017/11/21	12:01:51	0.000 0.000
185	2017/11/21	12:02:51	0.000 0.000
186	2017/11/21	12:03:51	0.000 0.000
187	2017/11/21	12:04:51	0.000 0.000
188	2017/11/21	12:05:51	0.000 0.000
189	2017/11/21	12:06:51	0.000 0.000
190	2017/11/21	12:07:51	0.000 0.000
191	2017/11/21	12:08:51	0.000 0.000

192	2017/11/21	12:09:51	0.000	0.000
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194	2017/11/21	12:11:51	0.000	0.000
195	2017/11/21	12:12:51	0.000	0.000
196	2017/11/21	12:13:51	0.000	0.000
197	2017/11/21	12:14:51	0.000	0.000
198	2017/11/21	12:15:51	0.000	0.000
199	2017/11/21	12:16:51	0.000	0.000
200	2017/11/21	12:17:51	0.000	0.000
201	2017/11/21	12:18:51	0.000	0.000
202	2017/11/21	12:19:51	0.000	0.000
203	2017/11/21	12:20:51	0.000	0.000
204	2017/11/21	12:21:51	0.000	0.000
205	2017/11/21	12:22:51	0.000	0.000
206	2017/11/21	12:23:51	0.000	0.000
207	2017/11/21	12:24:51	0.000	0.000
208	2017/11/21	12:25:51	0.000	0.000
209	2017/11/21	12:26:51	0.000	0.000
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211	2017/11/21	12:28:51	0.000	0.000
212	2017/11/21	12:29:51	0.000	0.000
213	2017/11/21	12:30:51	0.000	0.000
214	2017/11/21	12:31:51	0.000	0.000
215	2017/11/21	12:32:51	0.000	0.000
216	2017/11/21	12:33:51	0.000	0.000
217	2017/11/21	12:34:51	0.000	0.000
218	2017/11/21	12:35:51	0.000	0.000
219	2017/11/21	12:36:51	0.000	0.000
220	2017/11/21	12:37:51	0.000	0.000
221	2017/11/21	12:38:51	0.000	0.000
222	2017/11/21	12:39:51	0.000	0.000
223	2017/11/21	12:40:51	0.000	0.000
224	2017/11/21	12:41:51	0.000	0.000
225	2017/11/21	12:42:51	0.000	0.000
226	2017/11/21	12:43:51	0.000	0.000
227	2017/11/21	12:44:51	0.000	0.000
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229	2017/11/21	12:46:51	0.000	0.000
230	2017/11/21	12:47:51	0.000	0.000
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232	2017/11/21	12:49:51	0.000	0.000
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235	2017/11/21	12:52:51	0.000	0.000
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237	2017/11/21	12:54:51	0.000	0.000
238	2017/11/21	12:55:51	0.000	0.000
239	2017/11/21	12:56:51	0.000	0.000
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241	2017/11/21	12:58:51	0.000	0.000
242	2017/11/21	12:59:51	0.000	0.000
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244	2017/11/21	13:01:51	0.000	0.000
245	2017/11/21	13:02:51	0.000	0.000
246	2017/11/21	13:03:51	0.000	0.000
247	2017/11/21	13:04:51	0.000	0.000
248	2017/11/21	13:05:51	0.000	0.000
249	2017/11/21	13:06:51	0.000	0.000
250	2017/11/21	13:07:51	0.000	0.000
251	2017/11/21	13:08:51	0.000	0.000
252	2017/11/21	13:09:51	0.000	0.000
253	2017/11/21	13:10:51	0.000	0.000
254	2017/11/21	13:11:51	0.000	0.000

255	2017/11/21	13:12:51	0.000	0.000
256	2017/11/21	13:13:51	0.000	0.000
257	2017/11/21	13:14:51	0.000	0.000
258	2017/11/21	13:15:51	0.000	0.000
259	2017/11/21	13:16:51	0.000	0.000
260	2017/11/21	13:17:51	0.000	0.000
261	2017/11/21	13:18:51	0.000	0.000
262	2017/11/21	13:19:51	0.000	0.000
263	2017/11/21	13:20:51	0.000	0.000
264	2017/11/21	13:21:51	0.000	0.000
265	2017/11/21	13:22:51	0.000	0.000
266	2017/11/21	13:23:51	0.000	0.000
267	2017/11/21	13:24:51	0.000	0.000
268	2017/11/21	13:25:51	0.000	0.000
269	2017/11/21	13:26:51	0.000	0.000
270	2017/11/21	13:27:51	0.000	0.000
271	2017/11/21	13:28:51	0.000	0.000
272	2017/11/21	13:29:51	0.000	0.000
273	2017/11/21	13:30:51	0.000	0.000
274	2017/11/21	13:31:51	0.000	0.000
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277	2017/11/21	13:34:51	0.000	0.000
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279	2017/11/21	13:36:51	0.000	0.000
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283	2017/11/21	13:40:51	0.000	0.000
284	2017/11/21	13:41:51	0.000	0.000
285	2017/11/21	13:42:51	0.000	0.000
286	2017/11/21	13:43:51	0.000	0.000
287	2017/11/21	13:44:51	0.000	0.000
288	2017/11/21	13:45:51	0.000	0.000
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300	2017/11/21	13:57:51	0.000	0.000
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302	2017/11/21	13:59:51	0.000	0.000
303	2017/11/21	14:00:51	0.000	0.000
304	2017/11/21	14:01:51	0.000	0.000
305	2017/11/21	14:02:51	0.000	0.000
306	2017/11/21	14:03:51	0.000	0.000
307	2017/11/21	14:04:51	0.000	0.000
308	2017/11/21	14:05:51	0.000	0.000
309	2017/11/21	14:06:51	0.000	0.000
310	2017/11/21	14:07:51	0.000	0.000
311	2017/11/21	14:08:51	0.000	0.000
312	2017/11/21	14:09:51	0.000	0.000
313	2017/11/21	14:10:51	0.000	0.000
314	2017/11/21	14:11:51	0.000	0.000
315	2017/11/21	14:12:51	0.000	0.000
316	2017/11/21	14:13:51	0.000	0.000
317	2017/11/21	14:14:51	0.000	0.000

318	2017/11/21	14:15:51	0.000	0.000
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320	2017/11/21	14:17:51	0.000	0.000
321	2017/11/21	14:18:51	0.000	0.000
322	2017/11/21	14:19:51	0.000	0.000
323	2017/11/21	14:20:51	0.000	0.000
324	2017/11/21	14:21:51	0.000	0.000
325	2017/11/21	14:22:51	0.000	0.000
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327	2017/11/21	14:24:51	0.000	0.000
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341	2017/11/21	14:38:51	0.000	0.000
342	2017/11/21	14:39:51	0.000	0.003
343	2017/11/21	14:40:51	0.000	0.004
344	2017/11/21	14:41:51	0.000	0.004
345	2017/11/21	14:42:51	0.000	0.004
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347	2017/11/21	14:44:51	0.000	0.004
348	2017/11/21	14:45:51	0.000	0.004
349	2017/11/21	14:46:51	0.000	0.004
350	2017/11/21	14:47:51	0.000	0.004
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353	2017/11/21	14:50:51	0.000	0.004
354	2017/11/21	14:51:51	0.000	0.004
355	2017/11/21	14:52:51	0.000	0.004
356	2017/11/21	14:53:51	0.000	0.004
357	2017/11/21	14:54:51	0.000	0.002
358	2017/11/21	14:55:51	0.000	0.000
359	2017/11/21	14:56:51	0.000	0.000
360	2017/11/21	14:57:51	0.000	0.000
361	2017/11/21	14:58:51	0.000	0.000
362	2017/11/21	14:59:51	0.000	0.000
363	2017/11/21	15:00:51	0.000	0.000
364	2017/11/21	15:01:51	0.000	0.000
365	2017/11/21	15:02:51	0.000	0.000
366	2017/11/21	15:03:51	0.000	0.000
367	2017/11/21	15:04:51	0.000	0.000
368	2017/11/21	15:05:51	0.000	0.000
369	2017/11/21	15:06:51	0.000	0.000
370	2017/11/21	15:07:51	0.000	0.000
371	2017/11/21	15:08:51	0.000	0.000
372	2017/11/21	15:09:51	0.000	0.000
373	2017/11/21	15:10:51	0.000	0.000
374	2017/11/21	15:11:51	0.000	0.000
375	2017/11/21	15:12:51	0.000	0.000
376	2017/11/21	15:13:51	0.000	0.000
377	2017/11/21	15:14:51	0.000	0.000
378	2017/11/21	15:15:51	0.000	0.000
379	2017/11/21	15:16:51	0.000	0.000
380	2017/11/21	15:17:51	0.000	0.000

381	2017/11/21 15:18:51	0.000	0.000
382	2017/11/21 15:19:51	0.000	0.000
383	2017/11/21 15:20:51	0.000	0.000
384	2017/11/21 15:21:51	0.000	0.000
385	2017/11/21 15:22:51	0.000	0.000
386	2017/11/21 15:23:51	0.000	0.000
387	2017/11/21 15:24:51	0.000	0.000
388	2017/11/21 15:25:51	0.000	0.000
389	2017/11/21 15:26:51	0.000	0.000
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392	2017/11/21 15:29:51	0.000	0.000
393	2017/11/21 15:30:51	0.000	0.000
394	2017/11/21 15:31:51	0.000	0.000
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396	2017/11/21 15:33:51	0.000	0.000
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398	2017/11/21 15:35:51	0.000	0.000
399	2017/11/21 15:36:51	0.000	0.000
400	2017/11/21 15:37:51	0.000	0.000
401	2017/11/21 15:38:51	0.000	0.000
402	2017/11/21 15:39:51	0.000	0.000
403	2017/11/21 15:40:51	0.000	0.000
404	2017/11/21 15:41:51	0.000	0.000
405	2017/11/21 15:42:51	0.000	0.000
406	2017/11/21 15:43:51	0.000	0.000
407	2017/11/21 15:44:51	0.000	0.000
408	2017/11/21 15:45:51	0.000	0.000
409	2017/11/21 15:46:51	0.000	0.000
410	2017/11/21 15:47:51	0.000	0.000
411	2017/11/21 15:48:51	0.000	0.000
412	2017/11/21 15:49:51	0.000	0.000
413	2017/11/21 15:50:51	0.000	0.000
414	2017/11/21 15:51:51	0.000	0.000
415	2017/11/21 15:52:51	0.000	0.000
416	2017/11/21 15:53:51	0.000	0.000
417	2017/11/21 15:54:51	0.000	0.000
418	2017/11/21 15:55:51	0.000	0.000
419	2017/11/21 15:56:51	0.000	0.000
420	2017/11/21 15:57:51	0.000	0.000
421	2017/11/21 15:58:51	0.000	0.000
422	2017/11/21 15:59:51	0.000	0.000
423	2017/11/21 16:00:51	0.000	0.000
424	2017/11/21 16:01:51	0.000	0.000
425	2017/11/21 16:02:51	0.000	0.000
426	2017/11/21 16:03:51	0.000	0.000
427	2017/11/21 16:04:51	0.000	0.000
428	2017/11/21 16:05:51	0.000	0.000
429	2017/11/21 16:06:51	0.000	0.000
430	2017/11/21 16:07:51	0.000	0.000
431	2017/11/21 16:08:51	0.000	0.000
432	2017/11/21 16:09:51	0.000	0.000
433	2017/11/21 16:10:51	0.000	0.000
434	2017/11/21 16:11:51	0.000	0.000
435	2017/11/21 16:12:51	0.000	0.000
436	2017/11/21 16:13:51	0.000	0.000
437	2017/11/21 16:14:51	0.000	0.000
438	2017/11/21 16:15:51	0.000	0.000
439	2017/11/21 16:16:51	0.000	0.000
440	2017/11/21 16:17:51	0.000	0.000
441	2017/11/21 16:18:51	0.000	0.000
442	2017/11/21 16:19:51	0.000	0.000
443	2017/11/21 16:20:51	0.000	0.000

444	2017/11/21	16:21:51	0.000 0.000
445	2017/11/21	16:22:51	0.000 0.000
446	2017/11/21	16:23:51	0.000 0.000
447	2017/11/21	16:24:51	0.000 0.000
448	2017/11/21	16:25:51	0.000 0.000
449	2017/11/21	16:26:51	0.000 0.000
450	2017/11/21	16:27:51	0.000 0.000
451	2017/11/21	16:28:51	0.000 0.000
452	2017/11/21	16:29:51	0.000 0.000
453	2017/11/21	16:30:51	0.000 0.000
454	2017/11/21	16:31:51	0.000 0.000
455	2017/11/21	16:32:51	0.000 0.000
456	2017/11/21	16:33:51	0.000 0.000
457	2017/11/21	16:34:51	0.000 0.000
458	2017/11/21	16:35:51	0.000 0.000
459	2017/11/21	16:36:51	0.000 0.000
460	2017/11/21	16:37:51	0.000 0.000
461	2017/11/21	16:38:51	0.000 0.000
462	2017/11/21	16:39:51	0.000 0.000
463	2017/11/21	16:40:51	0.000 0.000
464	2017/11/21	16:41:51	0.000 0.000
465	2017/11/21	16:42:51	0.000 0.000
466	2017/11/21	16:43:51	0.000 0.000
467	2017/11/21	16:44:51	0.000 0.000
468	2017/11/21	16:45:51	0.000 0.000
469	2017/11/21	16:46:51	0.000 0.000
470	2017/11/21	16:47:51	0.000 0.000
471	2017/11/21	16:48:51	0.000 0.000
472	2017/11/21	16:49:51	0.000 0.000
473	2017/11/21	16:50:51	0.000 0.000
474	2017/11/21	16:51:51	0.000 0.000
475	2017/11/21	16:52:51	0.000 0.000
476	2017/11/21	16:53:51	0.000 0.000
477	2017/11/21	16:54:51	0.000 0.000
478	2017/11/21	16:55:51	0.000 0.000
479	2017/11/21	16:56:51	0.000 0.000
480	2017/11/21	16:57:51	0.000 0.000
481	2017/11/21	16:58:51	0.000 0.000
482	2017/11/21	16:59:51	0.000 0.000
483	2017/11/21	17:00:51	0.000 0.000
484	2017/11/21	17:01:51	0.000 0.000
485	2017/11/21	17:02:51	0.000 0.000
486	2017/11/21	17:03:51	0.000 0.000
487	2017/11/21	17:04:51	0.000 0.000
488	2017/11/21	17:05:51	0.000 0.000
489	2017/11/21	17:06:51	0.000 0.000
490	2017/11/21	17:07:51	0.000 0.000
491	2017/11/21	17:08:51	0.000 0.000
492	2017/11/21	17:09:51	0.000 0.000
493	2017/11/21	17:10:51	0.000 0.000
494	2017/11/21	17:11:51	0.000 0.000
495	2017/11/21	17:12:51	0.000 0.000
496	2017/11/21	17:13:51	0.000 0.000
497	2017/11/21	17:14:51	0.000 0.000
498	2017/11/21	17:15:51	0.000 0.000
499	2017/11/21	17:16:51	0.000 0.000
500	2017/11/21	17:17:51	0.000 0.000
501	2017/11/21	17:18:51	0.000 0.000
502	2017/11/21	17:19:51	0.000 0.000
503	2017/11/21	17:20:51	0.000 0.000
504	2017/11/21	17:21:51	0.000 0.000
505	2017/11/21	17:22:51	0.000 0.000
506	2017/11/21	17:23:51	0.000 0.000

507	2017/11/21 17:24:51	0.000	0.000
508	2017/11/21 17:25:51	0.000	0.000
509	2017/11/21 17:26:51	0.000	0.000
510	2017/11/21 17:27:51	0.000	0.000
511	2017/11/21 17:28:51	0.000	0.000
512	2017/11/21 17:29:51	0.000	0.000
513	2017/11/21 17:30:51	0.000	0.000
514	2017/11/21 17:31:51	0.000	0.000
515	2017/11/21 17:32:51	0.000	0.000
516	2017/11/21 17:33:51	0.000	0.000
517	2017/11/21 17:34:51	0.000	0.000

17/06/07 08:44

Summary

Unit Name	MiniRAE 3000
Unit SN	592-915936
Unit Firmware Ver	V1.20B
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2017/06/07 08:44:39
End	2017/06/07 16:44:33
Sample Period(s)	60
Number of Records	479
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	5.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10000.000
Measurement Gas	Isobutylene
Calibration Time	2017/06/07 08:44
Peak	0.253
Min	0.000
Average	0.030

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2017/06/07 08:45:39	0.023	0.325	0.000
002	2017/06/07 08:46:39	0.000	0.003	0.000
003	2017/06/07 08:47:39	0.083	0.166	0.126
004	2017/06/07 08:48:39	0.124	0.137	0.121
005	2017/06/07 08:49:39	0.132	0.147	0.134
006	2017/06/07 08:50:39	0.132	0.190	0.114
007	2017/06/07 08:51:39	0.143	0.168	0.166
008	2017/06/07 08:52:39	0.159	0.179	0.165
009	2017/06/07 08:53:39	0.169	0.201	0.193
010	2017/06/07 08:54:39	0.197	0.214	0.214
011	2017/06/07 08:55:39	0.200	0.218	0.210
012	2017/06/07 08:56:39	0.221	0.240	0.239
013	2017/06/07 08:57:39	0.235	0.247	0.227
014	2017/06/07 08:58:39	0.233	0.244	0.229
015	2017/06/07 08:59:39	0.223	0.236	0.229
016	2017/06/07 09:00:39	0.242	0.251	0.238
017	2017/06/07 09:01:39	0.248	0.254	0.253
018	2017/06/07 09:02:39	0.238	0.253	0.244
019	2017/06/07 09:03:39	0.253	0.257	0.253
020	2017/06/07 09:04:39	0.243	0.253	0.234
021	2017/06/07 09:05:39	0.247	0.254	0.244
022	2017/06/07 09:06:39	0.249	0.254	0.249

023	2017/06/07	09:07:39	0.249	0.253	0.249
024	2017/06/07	09:08:39	0.244	0.250	0.239
025	2017/06/07	09:09:39	0.237	0.240	0.237
026	2017/06/07	09:10:39	0.233	0.237	0.232
027	2017/06/07	09:11:39	0.235	0.241	0.240
028	2017/06/07	09:12:39	0.244	0.249	0.244
029	2017/06/07	09:13:39	0.245	0.251	0.246
030	2017/06/07	09:14:39	0.242	0.247	0.242
031	2017/06/07	09:15:39	0.242	0.246	0.240
032	2017/06/07	09:16:39	0.241	0.245	0.234
033	2017/06/07	09:17:39	0.240	0.246	0.233
034	2017/06/07	09:18:39	0.239	0.247	0.240
035	2017/06/07	09:19:39	0.234	0.242	0.231
036	2017/06/07	09:20:39	0.216	0.227	0.214
037	2017/06/07	09:21:39	0.214	0.224	0.214
038	2017/06/07	09:22:39	0.206	0.225	0.196
039	2017/06/07	09:23:39	0.207	0.224	0.223
040	2017/06/07	09:24:39	0.214	0.234	0.198
041	2017/06/07	09:25:39	0.206	0.217	0.195
042	2017/06/07	09:26:39	0.211	0.225	0.208
043	2017/06/07	09:27:39	0.195	0.207	0.200
044	2017/06/07	09:28:39	0.204	0.223	0.209
045	2017/06/07	09:29:39	0.207	0.220	0.219
046	2017/06/07	09:30:39	0.205	0.227	0.204
047	2017/06/07	09:31:39	0.207	0.229	0.212
048	2017/06/07	09:32:39	0.206	0.232	0.177
049	2017/06/07	09:33:39	0.195	0.222	0.193
050	2017/06/07	09:34:39	0.181	0.206	0.203
051	2017/06/07	09:35:39	0.201	0.230	0.152
052	2017/06/07	09:36:39	0.168	0.184	0.171
053	2017/06/07	09:37:39	0.175	0.199	0.164
054	2017/06/07	09:38:39	0.159	0.181	0.181
055	2017/06/07	09:39:39	0.189	0.232	0.191
056	2017/06/07	09:40:39	0.164	0.204	0.154
057	2017/06/07	09:41:39	0.136	0.197	0.186
058	2017/06/07	09:42:39	0.150	0.188	0.172
059	2017/06/07	09:43:39	0.174	0.207	0.167
060	2017/06/07	09:44:39	0.141	0.187	0.147
061	2017/06/07	09:45:39	0.146	0.185	0.184
062	2017/06/07	09:46:39	0.178	0.216	0.196
063	2017/06/07	09:47:39	0.165	0.201	0.158
064	2017/06/07	09:48:39	0.172	0.200	0.169
065	2017/06/07	09:49:39	0.161	0.193	0.118
066	2017/06/07	09:50:39	0.120	0.173	0.173
067	2017/06/07	09:51:39	0.139	0.200	0.116
068	2017/06/07	09:52:39	0.123	0.155	0.122
069	2017/06/07	09:53:39	0.133	0.189	0.125
070	2017/06/07	09:54:39	0.098	0.131	0.131
071	2017/06/07	09:55:39	0.094	0.143	0.083
072	2017/06/07	09:56:39	0.101	0.144	0.107
073	2017/06/07	09:57:39	0.103	0.129	0.129
074	2017/06/07	09:58:39	0.068	0.128	0.057
075	2017/06/07	09:59:39	0.051	0.095	0.040
076	2017/06/07	10:00:39	0.080	0.123	0.065
077	2017/06/07	10:01:39	0.049	0.088	0.019
078	2017/06/07	10:02:39	0.062	0.105	0.028
079	2017/06/07	10:03:39	0.038	0.086	0.052
080	2017/06/07	10:04:39	0.043	0.075	0.062
081	2017/06/07	10:05:39	0.041	0.089	0.040
082	2017/06/07	10:06:39	0.053	0.089	0.076
083	2017/06/07	10:07:39	0.038	0.096	0.013
084	2017/06/07	10:08:39	0.049	0.091	0.042
085	2017/06/07	10:09:39	0.032	0.086	0.086

086	2017/06/07 10:10:39	0.061	0.112	0.023
087	2017/06/07 10:11:39	0.033	0.056	0.045
088	2017/06/07 10:12:39	0.049	0.083	0.041
089	2017/06/07 10:13:39	0.030	0.090	0.004
090	2017/06/07 10:14:39	0.013	0.062	0.000
091	2017/06/07 10:15:39	0.022	0.060	0.000
092	2017/06/07 10:16:39	0.006	0.056	0.056
093	2017/06/07 10:17:39	0.012	0.056	0.000
094	2017/06/07 10:18:39	0.002	0.032	0.000
095	2017/06/07 10:19:39	0.002	0.016	0.000
096	2017/06/07 10:20:39	0.002	0.032	0.000
097	2017/06/07 10:21:39	0.000	0.011	0.000
098	2017/06/07 10:22:39	0.000	0.013	0.000
099	2017/06/07 10:23:39	0.000	0.005	0.000
100	2017/06/07 10:24:39	0.000	0.000	0.000
101	2017/06/07 10:25:39	0.000	0.003	0.000
102	2017/06/07 10:26:39	0.001	0.012	0.007
103	2017/06/07 10:27:39	0.009	0.047	0.034
104	2017/06/07 10:28:39	0.010	0.042	0.035
105	2017/06/07 10:29:39	0.015	0.053	0.000
106	2017/06/07 10:30:39	0.000	0.010	0.000
107	2017/06/07 10:31:39	0.002	0.031	0.000
108	2017/06/07 10:32:39	0.005	0.052	0.000
109	2017/06/07 10:33:39	0.000	0.013	0.000
110	2017/06/07 10:34:39	0.004	0.030	0.000
111	2017/06/07 10:35:39	0.000	0.000	0.000
112	2017/06/07 10:36:39	0.000	0.000	0.000
113	2017/06/07 10:37:39	0.000	0.000	0.000
114	2017/06/07 10:38:39	0.003	0.030	0.000
115	2017/06/07 10:39:39	0.008	0.042	0.000
116	2017/06/07 10:40:39	0.000	0.009	0.000
117	2017/06/07 10:41:39	0.000	0.000	0.000
118	2017/06/07 10:42:39	0.000	0.002	0.000
119	2017/06/07 10:43:39	0.000	0.000	0.000
120	2017/06/07 10:44:39	0.000	0.000	0.000
121	2017/06/07 10:45:39	0.000	0.000	0.000
122	2017/06/07 10:46:39	0.000	0.000	0.000
123	2017/06/07 10:47:39	0.000	0.006	0.000
124	2017/06/07 10:48:39	0.000	0.000	0.000
125	2017/06/07 10:49:39	0.000	0.000	0.000
126	2017/06/07 10:50:39	0.000	0.000	0.000
127	2017/06/07 10:51:39	0.000	0.000	0.000
128	2017/06/07 10:52:39	0.000	0.000	0.000
129	2017/06/07 10:53:39	0.000	0.000	0.000
130	2017/06/07 10:54:39	0.000	0.000	0.000
131	2017/06/07 10:55:39	0.000	0.000	0.000
132	2017/06/07 10:56:39	0.000	0.000	0.000
133	2017/06/07 10:57:39	0.000	0.000	0.000
134	2017/06/07 10:58:39	0.000	0.000	0.000
135	2017/06/07 10:59:39	0.000	0.000	0.000
136	2017/06/07 11:00:39	0.000	0.000	0.000
137	2017/06/07 11:01:39	0.000	0.000	0.000
138	2017/06/07 11:02:39	0.000	0.000	0.000
139	2017/06/07 11:03:39	0.000	0.000	0.000
140	2017/06/07 11:04:39	0.000	0.000	0.000
141	2017/06/07 11:05:39	0.000	0.000	0.000
142	2017/06/07 11:06:39	0.000	0.000	0.000
143	2017/06/07 11:07:39	0.000	0.000	0.000
144	2017/06/07 11:08:39	0.000	0.000	0.000
145	2017/06/07 11:09:39	0.000	0.000	0.000
146	2017/06/07 11:10:39	0.000	0.000	0.000
147	2017/06/07 11:11:39	0.000	0.000	0.000
148	2017/06/07 11:12:39	0.000	0.000	0.000

149	2017/06/07 11:13:39	0.000	0.000	0.000
150	2017/06/07 11:14:39	0.000	0.000	0.000
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152	2017/06/07 11:16:39	0.000	0.000	0.000
153	2017/06/07 11:17:39	0.000	0.000	0.000
154	2017/06/07 11:18:39	0.000	0.000	0.000
155	2017/06/07 11:19:39	0.000	0.000	0.000
156	2017/06/07 11:20:39	0.000	0.000	0.000
157	2017/06/07 11:21:39	0.000	0.000	0.000
158	2017/06/07 11:22:39	0.000	0.000	0.000
159	2017/06/07 11:23:39	0.000	0.000	0.000
160	2017/06/07 11:24:39	0.000	0.000	0.000
161	2017/06/07 11:25:39	0.000	0.000	0.000
162	2017/06/07 11:26:39	0.000	0.000	0.000
163	2017/06/07 11:27:39	0.000	0.000	0.000
164	2017/06/07 11:28:39	0.000	0.000	0.000
165	2017/06/07 11:29:39	0.000	0.000	0.000
166	2017/06/07 11:30:39	0.000	0.000	0.000
167	2017/06/07 11:31:39	0.000	0.000	0.000
168	2017/06/07 11:32:39	0.000	0.000	0.000
169	2017/06/07 11:33:39	0.000	0.000	0.000
170	2017/06/07 11:34:39	0.000	0.000	0.000
171	2017/06/07 11:35:39	0.000	0.000	0.000
172	2017/06/07 11:36:39	0.000	0.000	0.000
173	2017/06/07 11:37:39	0.000	0.000	0.000
174	2017/06/07 11:38:39	0.000	0.000	0.000
175	2017/06/07 11:39:39	0.000	0.000	0.000
176	2017/06/07 11:40:39	0.000	0.000	0.000
177	2017/06/07 11:41:39	0.000	0.000	0.000
178	2017/06/07 11:42:39	0.000	0.000	0.000
179	2017/06/07 11:43:39	0.000	0.000	0.000
180	2017/06/07 11:44:39	0.000	0.000	0.000
181	2017/06/07 11:45:39	0.000	0.000	0.000
182	2017/06/07 11:46:39	0.000	0.000	0.000
183	2017/06/07 11:47:39	0.000	0.000	0.000
184	2017/06/07 11:48:39	0.000	0.000	0.000
185	2017/06/07 11:49:39	0.000	0.000	0.000
186	2017/06/07 11:50:39	0.000	0.000	0.000
187	2017/06/07 11:51:39	0.000	0.000	0.000
188	2017/06/07 11:52:39	0.000	0.000	0.000
189	2017/06/07 11:53:39	0.000	0.000	0.000
190	2017/06/07 11:54:39	0.000	0.000	0.000
191	2017/06/07 11:55:39	0.000	0.000	0.000
192	2017/06/07 11:56:39	0.000	0.000	0.000
193	2017/06/07 11:57:39	0.000	0.000	0.000
194	2017/06/07 11:58:39	0.000	0.000	0.000
195	2017/06/07 11:59:39	0.000	0.000	0.000
196	2017/06/07 12:00:39	0.000	0.000	0.000
197	2017/06/07 12:01:39	0.000	0.000	0.000
198	2017/06/07 12:02:39	0.000	0.000	0.000
199	2017/06/07 12:03:39	0.000	0.000	0.000
200	2017/06/07 12:04:39	0.000	0.000	0.000
201	2017/06/07 12:05:39	0.000	0.000	0.000
202	2017/06/07 12:06:39	0.000	0.000	0.000
203	2017/06/07 12:07:39	0.000	0.000	0.000
204	2017/06/07 12:08:39	0.000	0.000	0.000
205	2017/06/07 12:09:39	0.000	0.000	0.000
206	2017/06/07 12:10:39	0.000	0.000	0.000
207	2017/06/07 12:11:39	0.000	0.000	0.000
208	2017/06/07 12:12:39	0.000	0.000	0.000
209	2017/06/07 12:13:39	0.000	0.000	0.000
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216	2017/06/07 12:20:39	0.000	0.000	0.000
217	2017/06/07 12:21:39	0.000	0.000	0.000
218	2017/06/07 12:22:39	0.000	0.000	0.000
219	2017/06/07 12:23:39	0.000	0.000	0.000
220	2017/06/07 12:24:39	0.000	0.000	0.000
221	2017/06/07 12:25:39	0.000	0.000	0.000
222	2017/06/07 12:26:39	0.000	0.000	0.000
223	2017/06/07 12:27:39	0.000	0.000	0.000
224	2017/06/07 12:28:39	0.000	0.000	0.000
225	2017/06/07 12:29:39	0.000	0.000	0.000
226	2017/06/07 12:30:39	0.000	0.000	0.000
227	2017/06/07 12:31:39	0.000	0.000	0.000
228	2017/06/07 12:32:39	0.000	0.000	0.000
229	2017/06/07 12:33:39	0.000	0.000	0.000
230	2017/06/07 12:34:39	0.000	0.000	0.000
231	2017/06/07 12:35:39	0.000	0.000	0.000
232	2017/06/07 12:36:39	0.000	0.000	0.000
233	2017/06/07 12:37:39	0.000	0.000	0.000
234	2017/06/07 12:38:39	0.000	0.000	0.000
235	2017/06/07 12:39:39	0.000	0.000	0.000
236	2017/06/07 12:40:39	0.000	0.000	0.000
237	2017/06/07 12:41:39	0.000	0.000	0.000
238	2017/06/07 12:42:39	0.000	0.000	0.000
239	2017/06/07 12:43:39	0.000	0.000	0.000
240	2017/06/07 12:44:39	0.000	0.000	0.000
241	2017/06/07 12:45:39	0.000	0.000	0.000
242	2017/06/07 12:46:39	0.000	0.000	0.000
243	2017/06/07 12:47:39	0.000	0.000	0.000
244	2017/06/07 12:48:39	0.000	0.000	0.000
245	2017/06/07 12:49:39	0.000	0.000	0.000
246	2017/06/07 12:50:39	0.000	0.000	0.000
247	2017/06/07 12:51:39	0.000	0.000	0.000
248	2017/06/07 12:52:39	0.000	0.000	0.000
249	2017/06/07 12:53:39	0.000	0.000	0.000
250	2017/06/07 12:54:39	0.000	0.000	0.000
251	2017/06/07 12:55:39	0.000	0.000	0.000
252	2017/06/07 12:56:39	0.000	0.000	0.000
253	2017/06/07 12:57:39	0.000	0.000	0.000
254	2017/06/07 12:58:39	0.000	0.000	0.000
255	2017/06/07 12:59:39	0.000	0.000	0.000
256	2017/06/07 13:00:39	0.000	0.000	0.000
257	2017/06/07 13:01:39	0.000	0.000	0.000
258	2017/06/07 13:02:39	0.000	0.000	0.000
259	2017/06/07 13:03:39	0.000	0.000	0.000
260	2017/06/07 13:04:39	0.000	0.000	0.000
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262	2017/06/07 13:06:39	0.000	0.000	0.000
263	2017/06/07 13:07:39	0.000	0.000	0.000
264	2017/06/07 13:08:39	0.000	0.000	0.000
265	2017/06/07 13:09:39	0.000	0.000	0.000
266	2017/06/07 13:10:39	0.000	0.000	0.000
267	2017/06/07 13:11:39	0.000	0.000	0.000
268	2017/06/07 13:12:39	0.000	0.000	0.000
269	2017/06/07 13:13:39	0.000	0.000	0.000
270	2017/06/07 13:14:39	0.000	0.000	0.000
271	2017/06/07 13:15:39	0.000	0.000	0.000
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279	2017/06/07 13:23:39	0.000	0.000	0.000
280	2017/06/07 13:24:39	0.000	0.000	0.000
281	2017/06/07 13:25:39	0.000	0.000	0.000
282	2017/06/07 13:26:39	0.000	0.000	0.000
283	2017/06/07 13:27:39	0.000	0.000	0.000
284	2017/06/07 13:28:39	0.000	0.000	0.000
285	2017/06/07 13:29:39	0.000	0.000	0.000
286	2017/06/07 13:30:39	0.000	0.000	0.000
287	2017/06/07 13:31:39	0.000	0.000	0.000
288	2017/06/07 13:32:39	0.000	0.000	0.000
289	2017/06/07 13:33:39	0.000	0.000	0.000
290	2017/06/07 13:34:39	0.000	0.000	0.000
291	2017/06/07 13:35:39	0.000	0.000	0.000
292	2017/06/07 13:36:39	0.000	0.000	0.000
293	2017/06/07 13:37:39	0.000	0.000	0.000
294	2017/06/07 13:38:39	0.000	0.000	0.000
295	2017/06/07 13:39:39	0.000	0.000	0.000
296	2017/06/07 13:40:39	0.000	0.000	0.000
297	2017/06/07 13:41:39	0.000	0.000	0.000
298	2017/06/07 13:42:39	0.000	0.000	0.000
299	2017/06/07 13:43:39	0.000	0.000	0.000
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305	2017/06/07 13:49:39	0.000	0.000	0.000
306	2017/06/07 13:50:39	0.000	0.000	0.000
307	2017/06/07 13:51:39	0.000	0.000	0.000
308	2017/06/07 13:52:39	0.000	0.000	0.000
309	2017/06/07 13:53:39	0.000	0.000	0.000
310	2017/06/07 13:54:39	0.000	0.000	0.000
311	2017/06/07 13:55:39	0.000	0.000	0.000
312	2017/06/07 13:56:39	0.000	0.000	0.000
313	2017/06/07 13:57:39	0.000	0.000	0.000
314	2017/06/07 13:58:39	0.000	0.000	0.000
315	2017/06/07 13:59:39	0.000	0.000	0.000
316	2017/06/07 14:00:39	0.000	0.000	0.000
317	2017/06/07 14:01:39	0.000	0.000	0.000
318	2017/06/07 14:02:39	0.000	0.000	0.000
319	2017/06/07 14:03:39	0.000	0.000	0.000
320	2017/06/07 14:04:39	0.000	0.000	0.000
321	2017/06/07 14:05:39	0.000	0.000	0.000
322	2017/06/07 14:06:39	0.000	0.000	0.000
323	2017/06/07 14:07:39	0.000	0.000	0.000
324	2017/06/07 14:08:39	0.000	0.000	0.000
325	2017/06/07 14:09:39	0.000	0.000	0.000
326	2017/06/07 14:10:39	0.000	0.000	0.000
327	2017/06/07 14:11:39	0.000	0.000	0.000
328	2017/06/07 14:12:39	0.000	0.000	0.000
329	2017/06/07 14:13:39	0.000	0.000	0.000
330	2017/06/07 14:14:39	0.000	0.000	0.000
331	2017/06/07 14:15:39	0.000	0.000	0.000
332	2017/06/07 14:16:39	0.000	0.000	0.000
333	2017/06/07 14:17:39	0.000	0.000	0.000
334	2017/06/07 14:18:39	0.000	0.000	0.000
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343	2017/06/07 14:27:39	0.000	0.000	0.000
344	2017/06/07 14:28:39	0.000	0.000	0.000
345	2017/06/07 14:29:39	0.000	0.000	0.000
346	2017/06/07 14:30:39	0.000	0.000	0.000
347	2017/06/07 14:31:39	0.000	0.000	0.000
348	2017/06/07 14:32:39	0.000	0.000	0.000
349	2017/06/07 14:33:39	0.000	0.000	0.000
350	2017/06/07 14:34:39	0.000	0.000	0.000
351	2017/06/07 14:35:39	0.000	0.000	0.000
352	2017/06/07 14:36:39	0.000	0.000	0.000
353	2017/06/07 14:37:39	0.000	0.000	0.000
354	2017/06/07 14:38:39	0.000	0.000	0.000
355	2017/06/07 14:39:39	0.000	0.000	0.000
356	2017/06/07 14:40:39	0.000	0.000	0.000
357	2017/06/07 14:41:39	0.000	0.000	0.000
358	2017/06/07 14:42:39	0.000	0.000	0.000
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360	2017/06/07 14:44:39	0.000	0.000	0.000
361	2017/06/07 14:45:39	0.000	0.000	0.000
362	2017/06/07 14:46:39	0.000	0.000	0.000
363	2017/06/07 14:47:39	0.000	0.000	0.000
364	2017/06/07 14:48:39	0.000	0.000	0.000
365	2017/06/07 14:49:39	0.000	0.000	0.000
366	2017/06/07 14:50:39	0.000	0.000	0.000
367	2017/06/07 14:51:39	0.000	0.000	0.000
368	2017/06/07 14:52:39	0.000	0.000	0.000
369	2017/06/07 14:53:39	0.000	0.000	0.000
370	2017/06/07 14:54:39	0.000	0.000	0.000
371	2017/06/07 14:55:39	0.000	0.000	0.000
372	2017/06/07 14:56:39	0.000	0.000	0.000
373	2017/06/07 14:57:39	0.000	0.000	0.000
374	2017/06/07 14:58:39	0.000	0.000	0.000
375	2017/06/07 14:59:39	0.000	0.000	0.000
376	2017/06/07 15:00:39	0.000	0.000	0.000
377	2017/06/07 15:01:39	0.000	0.000	0.000
378	2017/06/07 15:02:39	0.000	0.000	0.000
379	2017/06/07 15:03:39	0.000	0.000	0.000
380	2017/06/07 15:04:39	0.000	0.000	0.000
381	2017/06/07 15:05:39	0.000	0.000	0.000
382	2017/06/07 15:06:39	0.000	0.000	0.000
383	2017/06/07 15:07:39	0.000	0.000	0.000
384	2017/06/07 15:08:39	0.000	0.000	0.000
385	2017/06/07 15:09:39	0.000	0.000	0.000
386	2017/06/07 15:10:39	0.000	0.000	0.000
387	2017/06/07 15:11:39	0.000	0.000	0.000
388	2017/06/07 15:12:39	0.000	0.000	0.000
389	2017/06/07 15:13:39	0.000	0.000	0.000
390	2017/06/07 15:14:39	0.000	0.000	0.000
391	2017/06/07 15:15:39	0.000	0.000	0.000
392	2017/06/07 15:16:39	0.000	0.000	0.000
393	2017/06/07 15:17:39	0.000	0.000	0.000
394	2017/06/07 15:18:39	0.000	0.000	0.000
395	2017/06/07 15:19:39	0.000	0.000	0.000
396	2017/06/07 15:20:39	0.000	0.000	0.000
397	2017/06/07 15:21:39	0.000	0.000	0.000
398	2017/06/07 15:22:39	0.000	0.000	0.000
399	2017/06/07 15:23:39	0.000	0.000	0.000
400	2017/06/07 15:24:39	0.000	0.000	0.000

401	2017/06/07 15:25:39	0.000	0.000	0.000
402	2017/06/07 15:26:39	0.000	0.000	0.000
403	2017/06/07 15:27:39	0.000	0.000	0.000
404	2017/06/07 15:28:39	0.000	0.000	0.000
405	2017/06/07 15:29:39	0.000	0.000	0.000
406	2017/06/07 15:30:39	0.000	0.000	0.000
407	2017/06/07 15:31:39	0.000	0.000	0.000
408	2017/06/07 15:32:39	0.000	0.000	0.000
409	2017/06/07 15:33:39	0.000	0.000	0.000
410	2017/06/07 15:34:39	0.000	0.000	0.000
411	2017/06/07 15:35:39	0.000	0.000	0.000
412	2017/06/07 15:36:39	0.000	0.000	0.000
413	2017/06/07 15:37:39	0.000	0.000	0.000
414	2017/06/07 15:38:39	0.000	0.000	0.000
415	2017/06/07 15:39:39	0.000	0.000	0.000
416	2017/06/07 15:40:39	0.000	0.000	0.000
417	2017/06/07 15:41:39	0.000	0.000	0.000
418	2017/06/07 15:42:39	0.000	0.000	0.000
419	2017/06/07 15:43:39	0.000	0.000	0.000
420	2017/06/07 15:44:39	0.000	0.000	0.000
421	2017/06/07 15:45:39	0.000	0.000	0.000
422	2017/06/07 15:46:39	0.000	0.000	0.000
423	2017/06/07 15:47:39	0.000	0.000	0.000
424	2017/06/07 15:48:39	0.000	0.000	0.000
425	2017/06/07 15:49:39	0.000	0.000	0.000
426	2017/06/07 15:50:39	0.000	0.000	0.000
427	2017/06/07 15:51:39	0.000	0.000	0.000
428	2017/06/07 15:52:39	0.000	0.000	0.000
429	2017/06/07 15:53:39	0.000	0.000	0.000
430	2017/06/07 15:54:39	0.000	0.000	0.000
431	2017/06/07 15:55:39	0.000	0.000	0.000
432	2017/06/07 15:56:39	0.000	0.000	0.000
433	2017/06/07 15:57:39	0.000	0.000	0.000
434	2017/06/07 15:58:39	0.000	0.000	0.000
435	2017/06/07 15:59:39	0.000	0.000	0.000
436	2017/06/07 16:00:39	0.000	0.000	0.000
437	2017/06/07 16:01:39	0.000	0.000	0.000
438	2017/06/07 16:02:39	0.000	0.000	0.000
439	2017/06/07 16:03:39	0.000	0.000	0.000
440	2017/06/07 16:04:39	0.000	0.000	0.000
441	2017/06/07 16:05:39	0.000	0.000	0.000
442	2017/06/07 16:06:39	0.000	0.000	0.000
443	2017/06/07 16:07:39	0.000	0.000	0.000
444	2017/06/07 16:08:39	0.000	0.000	0.000
445	2017/06/07 16:09:39	0.000	0.000	0.000
446	2017/06/07 16:10:39	0.000	0.000	0.000
447	2017/06/07 16:11:39	0.000	0.000	0.000
448	2017/06/07 16:12:39	0.000	0.000	0.000
449	2017/06/07 16:13:39	0.000	0.000	0.000
450	2017/06/07 16:14:39	0.000	0.000	0.000
451	2017/06/07 16:15:39	0.000	0.000	0.000
452	2017/06/07 16:16:39	0.000	0.000	0.000
453	2017/06/07 16:17:39	0.000	0.000	0.000
454	2017/06/07 16:18:39	0.000	0.000	0.000
455	2017/06/07 16:19:39	0.000	0.000	0.000
456	2017/06/07 16:20:39	0.000	0.000	0.000
457	2017/06/07 16:21:39	0.000	0.000	0.000
458	2017/06/07 16:22:39	0.000	0.000	0.000
459	2017/06/07 16:23:39	0.000	0.000	0.000
460	2017/06/07 16:24:39	0.000	0.000	0.000
461	2017/06/07 16:25:39	0.000	0.000	0.000
462	2017/06/07 16:26:39	0.000	0.000	0.000
463	2017/06/07 16:27:39	0.000	0.000	0.000

464	2017/06/07 16:28:39	0.000	0.000	0.000
465	2017/06/07 16:29:39	0.000	0.000	0.000
466	2017/06/07 16:30:39	0.000	0.000	0.000
467	2017/06/07 16:31:39	0.000	0.000	0.000
468	2017/06/07 16:32:39	0.000	0.000	0.000
469	2017/06/07 16:33:39	0.000	0.000	0.000
470	2017/06/07 16:34:39	0.000	0.000	0.000
471	2017/06/07 16:35:39	0.000	0.000	0.000
472	2017/06/07 16:36:39	0.000	0.000	0.000
473	2017/06/07 16:37:39	0.000	0.000	0.000
474	2017/06/07 16:38:39	0.000	0.000	0.000
475	2017/06/07 16:39:39	0.000	0.000	0.000
476	2017/06/07 16:40:39	0.000	0.000	0.000
477	2017/06/07 16:41:39	0.000	0.000	0.000
478	2017/06/07 16:42:39	0.000	0.000	0.000
479	2017/06/07 16:43:39	0.000	0.000	0.000
Peak		0.253	0.325	0.253
Min		0.000	0.000	0.000
Average		0.030	0.037	0.030

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2017/06/07 08:45:39	0.000	---
002	2017/06/07 08:46:39	0.000	---
003	2017/06/07 08:47:39	0.000	---
004	2017/06/07 08:48:39	0.001	---
005	2017/06/07 08:49:39	0.001	---
006	2017/06/07 08:50:39	0.001	---
007	2017/06/07 08:51:39	0.001	---
008	2017/06/07 08:52:39	0.002	---
009	2017/06/07 08:53:39	0.002	---
010	2017/06/07 08:54:39	0.003	---
011	2017/06/07 08:55:39	0.003	---
012	2017/06/07 08:56:39	0.004	---
013	2017/06/07 08:57:39	0.004	---
014	2017/06/07 08:58:39	0.004	---
015	2017/06/07 08:59:39	0.005	0.158
016	2017/06/07 09:00:39	0.005	0.174
017	2017/06/07 09:01:39	0.006	0.191
018	2017/06/07 09:02:39	0.006	0.198
019	2017/06/07 09:03:39	0.007	0.207
020	2017/06/07 09:04:39	0.007	0.214
021	2017/06/07 09:05:39	0.008	0.223
022	2017/06/07 09:06:39	0.009	0.228
023	2017/06/07 09:07:39	0.009	0.234
024	2017/06/07 09:08:39	0.010	0.237
025	2017/06/07 09:09:39	0.010	0.238
026	2017/06/07 09:10:39	0.010	0.240
027	2017/06/07 09:11:39	0.011	0.240
028	2017/06/07 09:12:39	0.012	0.241
029	2017/06/07 09:13:39	0.012	0.242
030	2017/06/07 09:14:39	0.013	0.243
031	2017/06/07 09:15:39	0.013	0.243
032	2017/06/07 09:16:39	0.014	0.242
033	2017/06/07 09:17:39	0.014	0.241
034	2017/06/07 09:18:39	0.014	0.240
035	2017/06/07 09:19:39	0.015	0.240
036	2017/06/07 09:20:39	0.015	0.238
037	2017/06/07 09:21:39	0.016	0.236
038	2017/06/07 09:22:39	0.016	0.232
039	2017/06/07 09:23:39	0.017	0.231
040	2017/06/07 09:24:39	0.017	0.228

041	2017/06/07 09:25:39	0.018	0.226
042	2017/06/07 09:26:39	0.018	0.224
043	2017/06/07 09:27:39	0.018	0.221
044	2017/06/07 09:28:39	0.019	0.218
045	2017/06/07 09:29:39	0.019	0.217
046	2017/06/07 09:30:39	0.020	0.215
047	2017/06/07 09:31:39	0.020	0.213
048	2017/06/07 09:32:39	0.021	0.209
049	2017/06/07 09:33:39	0.021	0.206
050	2017/06/07 09:34:39	0.021	0.204
051	2017/06/07 09:35:39	0.022	0.200
052	2017/06/07 09:36:39	0.022	0.197
053	2017/06/07 09:37:39	0.022	0.195
054	2017/06/07 09:38:39	0.023	0.192
055	2017/06/07 09:39:39	0.023	0.192
056	2017/06/07 09:40:39	0.023	0.189
057	2017/06/07 09:41:39	0.024	0.188
058	2017/06/07 09:42:39	0.024	0.186
059	2017/06/07 09:43:39	0.025	0.183
060	2017/06/07 09:44:39	0.025	0.178
061	2017/06/07 09:45:39	0.025	0.177
062	2017/06/07 09:46:39	0.026	0.176
063	2017/06/07 09:47:39	0.026	0.175
064	2017/06/07 09:48:39	0.026	0.173
065	2017/06/07 09:49:39	0.027	0.167
066	2017/06/07 09:50:39	0.027	0.169
067	2017/06/07 09:51:39	0.027	0.165
068	2017/06/07 09:52:39	0.027	0.162
069	2017/06/07 09:53:39	0.028	0.159
070	2017/06/07 09:54:39	0.028	0.155
071	2017/06/07 09:55:39	0.028	0.150
072	2017/06/07 09:56:39	0.028	0.145
073	2017/06/07 09:57:39	0.029	0.142
074	2017/06/07 09:58:39	0.029	0.134
075	2017/06/07 09:59:39	0.029	0.127
076	2017/06/07 10:00:39	0.029	0.119
077	2017/06/07 10:01:39	0.029	0.107
078	2017/06/07 10:02:39	0.029	0.099
079	2017/06/07 10:03:39	0.029	0.091
080	2017/06/07 10:04:39	0.029	0.087
081	2017/06/07 10:05:39	0.029	0.078
082	2017/06/07 10:06:39	0.030	0.076
083	2017/06/07 10:07:39	0.030	0.068
084	2017/06/07 10:08:39	0.030	0.063
085	2017/06/07 10:09:39	0.030	0.060
086	2017/06/07 10:10:39	0.030	0.056
087	2017/06/07 10:11:39	0.030	0.052
088	2017/06/07 10:12:39	0.030	0.046
089	2017/06/07 10:13:39	0.030	0.042
090	2017/06/07 10:14:39	0.030	0.040
091	2017/06/07 10:15:39	0.030	0.035
092	2017/06/07 10:16:39	0.030	0.038
093	2017/06/07 10:17:39	0.030	0.036
094	2017/06/07 10:18:39	0.030	0.033
095	2017/06/07 10:19:39	0.030	0.028
096	2017/06/07 10:20:39	0.030	0.026
097	2017/06/07 10:21:39	0.030	0.021
098	2017/06/07 10:22:39	0.030	0.020
099	2017/06/07 10:23:39	0.030	0.017
100	2017/06/07 10:24:39	0.030	0.011
101	2017/06/07 10:25:39	0.030	0.010
102	2017/06/07 10:26:39	0.030	0.007
103	2017/06/07 10:27:39	0.030	0.007

104	2017/06/07 10:28:39	0.030	0.009
105	2017/06/07 10:29:39	0.030	0.009
106	2017/06/07 10:30:39	0.030	0.009
107	2017/06/07 10:31:39	0.030	0.005
108	2017/06/07 10:32:39	0.030	0.005
109	2017/06/07 10:33:39	0.030	0.005
110	2017/06/07 10:34:39	0.030	0.005
111	2017/06/07 10:35:39	0.030	0.005
112	2017/06/07 10:36:39	0.030	0.005
113	2017/06/07 10:37:39	0.030	0.005
114	2017/06/07 10:38:39	0.030	0.005
115	2017/06/07 10:39:39	0.030	0.005
116	2017/06/07 10:40:39	0.030	0.005
117	2017/06/07 10:41:39	0.030	0.005
118	2017/06/07 10:42:39	0.030	0.002
119	2017/06/07 10:43:39	0.030	0.000
120	2017/06/07 10:44:39	0.030	0.000
121	2017/06/07 10:45:39	0.030	0.000
122	2017/06/07 10:46:39	0.030	0.000
123	2017/06/07 10:47:39	0.030	0.000
124	2017/06/07 10:48:39	0.030	0.000
125	2017/06/07 10:49:39	0.030	0.000
126	2017/06/07 10:50:39	0.030	0.000
127	2017/06/07 10:51:39	0.030	0.000
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129	2017/06/07 10:53:39	0.030	0.000
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131	2017/06/07 10:55:39	0.030	0.000
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133	2017/06/07 10:57:39	0.030	0.000
134	2017/06/07 10:58:39	0.030	0.000
135	2017/06/07 10:59:39	0.030	0.000
136	2017/06/07 11:00:39	0.030	0.000
137	2017/06/07 11:01:39	0.030	0.000
138	2017/06/07 11:02:39	0.030	0.000
139	2017/06/07 11:03:39	0.030	0.000
140	2017/06/07 11:04:39	0.030	0.000
141	2017/06/07 11:05:39	0.030	0.000
142	2017/06/07 11:06:39	0.030	0.000
143	2017/06/07 11:07:39	0.030	0.000
144	2017/06/07 11:08:39	0.030	0.000
145	2017/06/07 11:09:39	0.030	0.000
146	2017/06/07 11:10:39	0.030	0.000
147	2017/06/07 11:11:39	0.030	0.000
148	2017/06/07 11:12:39	0.030	0.000
149	2017/06/07 11:13:39	0.030	0.000
150	2017/06/07 11:14:39	0.030	0.000
151	2017/06/07 11:15:39	0.030	0.000
152	2017/06/07 11:16:39	0.030	0.000
153	2017/06/07 11:17:39	0.030	0.000
154	2017/06/07 11:18:39	0.030	0.000
155	2017/06/07 11:19:39	0.030	0.000
156	2017/06/07 11:20:39	0.030	0.000
157	2017/06/07 11:21:39	0.030	0.000
158	2017/06/07 11:22:39	0.030	0.000
159	2017/06/07 11:23:39	0.030	0.000
160	2017/06/07 11:24:39	0.030	0.000
161	2017/06/07 11:25:39	0.030	0.000
162	2017/06/07 11:26:39	0.030	0.000
163	2017/06/07 11:27:39	0.030	0.000
164	2017/06/07 11:28:39	0.030	0.000
165	2017/06/07 11:29:39	0.030	0.000
166	2017/06/07 11:30:39	0.030	0.000

167	2017/06/07	11:31:39	0.030	0.000
168	2017/06/07	11:32:39	0.030	0.000
169	2017/06/07	11:33:39	0.030	0.000
170	2017/06/07	11:34:39	0.030	0.000
171	2017/06/07	11:35:39	0.030	0.000
172	2017/06/07	11:36:39	0.030	0.000
173	2017/06/07	11:37:39	0.030	0.000
174	2017/06/07	11:38:39	0.030	0.000
175	2017/06/07	11:39:39	0.030	0.000
176	2017/06/07	11:40:39	0.030	0.000
177	2017/06/07	11:41:39	0.030	0.000
178	2017/06/07	11:42:39	0.030	0.000
179	2017/06/07	11:43:39	0.030	0.000
180	2017/06/07	11:44:39	0.030	0.000
181	2017/06/07	11:45:39	0.030	0.000
182	2017/06/07	11:46:39	0.030	0.000
183	2017/06/07	11:47:39	0.030	0.000
184	2017/06/07	11:48:39	0.030	0.000
185	2017/06/07	11:49:39	0.030	0.000
186	2017/06/07	11:50:39	0.030	0.000
187	2017/06/07	11:51:39	0.030	0.000
188	2017/06/07	11:52:39	0.030	0.000
189	2017/06/07	11:53:39	0.030	0.000
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191	2017/06/07	11:55:39	0.030	0.000
192	2017/06/07	11:56:39	0.030	0.000
193	2017/06/07	11:57:39	0.030	0.000
194	2017/06/07	11:58:39	0.030	0.000
195	2017/06/07	11:59:39	0.030	0.000
196	2017/06/07	12:00:39	0.030	0.000
197	2017/06/07	12:01:39	0.030	0.000
198	2017/06/07	12:02:39	0.030	0.000
199	2017/06/07	12:03:39	0.030	0.000
200	2017/06/07	12:04:39	0.030	0.000
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202	2017/06/07	12:06:39	0.030	0.000
203	2017/06/07	12:07:39	0.030	0.000
204	2017/06/07	12:08:39	0.030	0.000
205	2017/06/07	12:09:39	0.030	0.000
206	2017/06/07	12:10:39	0.030	0.000
207	2017/06/07	12:11:39	0.030	0.000
208	2017/06/07	12:12:39	0.030	0.000
209	2017/06/07	12:13:39	0.030	0.000
210	2017/06/07	12:14:39	0.030	0.000
211	2017/06/07	12:15:39	0.030	0.000
212	2017/06/07	12:16:39	0.030	0.000
213	2017/06/07	12:17:39	0.030	0.000
214	2017/06/07	12:18:39	0.030	0.000
215	2017/06/07	12:19:39	0.030	0.000
216	2017/06/07	12:20:39	0.030	0.000
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220	2017/06/07	12:24:39	0.030	0.000
221	2017/06/07	12:25:39	0.030	0.000
222	2017/06/07	12:26:39	0.030	0.000
223	2017/06/07	12:27:39	0.030	0.000
224	2017/06/07	12:28:39	0.030	0.000
225	2017/06/07	12:29:39	0.030	0.000
226	2017/06/07	12:30:39	0.030	0.000
227	2017/06/07	12:31:39	0.030	0.000
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229	2017/06/07	12:33:39	0.030	0.000

230	2017/06/07 12:34:39	0.030	0.000
231	2017/06/07 12:35:39	0.030	0.000
232	2017/06/07 12:36:39	0.030	0.000
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234	2017/06/07 12:38:39	0.030	0.000
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236	2017/06/07 12:40:39	0.030	0.000
237	2017/06/07 12:41:39	0.030	0.000
238	2017/06/07 12:42:39	0.030	0.000
239	2017/06/07 12:43:39	0.030	0.000
240	2017/06/07 12:44:39	0.030	0.000
241	2017/06/07 12:45:39	0.030	0.000
242	2017/06/07 12:46:39	0.030	0.000
243	2017/06/07 12:47:39	0.030	0.000
244	2017/06/07 12:48:39	0.030	0.000
245	2017/06/07 12:49:39	0.030	0.000
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248	2017/06/07 12:52:39	0.030	0.000
249	2017/06/07 12:53:39	0.030	0.000
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329	2017/06/07 14:13:39	0.030	0.000
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334	2017/06/07 14:18:39	0.030	0.000
335	2017/06/07 14:19:39	0.030	0.000
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338	2017/06/07 14:22:39	0.030	0.000
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343	2017/06/07 14:27:39	0.030	0.000
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351	2017/06/07 14:35:39	0.030	0.000
352	2017/06/07 14:36:39	0.030	0.000
353	2017/06/07 14:37:39	0.030	0.000
354	2017/06/07 14:38:39	0.030	0.000
355	2017/06/07 14:39:39	0.030	0.000

356	2017/06/07 14:40:39	0.030	0.000
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375	2017/06/07 14:59:39	0.030	0.000
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377	2017/06/07 15:01:39	0.030	0.000
378	2017/06/07 15:02:39	0.030	0.000
379	2017/06/07 15:03:39	0.030	0.000
380	2017/06/07 15:04:39	0.030	0.000
381	2017/06/07 15:05:39	0.030	0.000
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383	2017/06/07 15:07:39	0.030	0.000
384	2017/06/07 15:08:39	0.030	0.000
385	2017/06/07 15:09:39	0.030	0.000
386	2017/06/07 15:10:39	0.030	0.000
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389	2017/06/07 15:13:39	0.030	0.000
390	2017/06/07 15:14:39	0.030	0.000
391	2017/06/07 15:15:39	0.030	0.000
392	2017/06/07 15:16:39	0.030	0.000
393	2017/06/07 15:17:39	0.030	0.000
394	2017/06/07 15:18:39	0.030	0.000
395	2017/06/07 15:19:39	0.030	0.000
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401	2017/06/07 15:25:39	0.030	0.000
402	2017/06/07 15:26:39	0.030	0.000
403	2017/06/07 15:27:39	0.030	0.000
404	2017/06/07 15:28:39	0.030	0.000
405	2017/06/07 15:29:39	0.030	0.000
406	2017/06/07 15:30:39	0.030	0.000
407	2017/06/07 15:31:39	0.030	0.000
408	2017/06/07 15:32:39	0.030	0.000
409	2017/06/07 15:33:39	0.030	0.000
410	2017/06/07 15:34:39	0.030	0.000
411	2017/06/07 15:35:39	0.030	0.000
412	2017/06/07 15:36:39	0.030	0.000
413	2017/06/07 15:37:39	0.030	0.000
414	2017/06/07 15:38:39	0.030	0.000
415	2017/06/07 15:39:39	0.030	0.000
416	2017/06/07 15:40:39	0.030	0.000
417	2017/06/07 15:41:39	0.030	0.000
418	2017/06/07 15:42:39	0.030	0.000

419	2017/06/07 15:43:39	0.030	0.000
420	2017/06/07 15:44:39	0.030	0.000
421	2017/06/07 15:45:39	0.030	0.000
422	2017/06/07 15:46:39	0.030	0.000
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434	2017/06/07 15:58:39	0.030	0.000
435	2017/06/07 15:59:39	0.030	0.000
436	2017/06/07 16:00:39	0.030	0.000
437	2017/06/07 16:01:39	0.030	0.000
438	2017/06/07 16:02:39	0.030	0.000
439	2017/06/07 16:03:39	0.030	0.000
440	2017/06/07 16:04:39	0.030	0.000
441	2017/06/07 16:05:39	0.030	0.000
442	2017/06/07 16:06:39	0.030	0.000
443	2017/06/07 16:07:39	0.030	0.000
444	2017/06/07 16:08:39	0.030	0.000
445	2017/06/07 16:09:39	0.030	0.000
446	2017/06/07 16:10:39	0.030	0.000
447	2017/06/07 16:11:39	0.030	0.000
448	2017/06/07 16:12:39	0.030	0.000
449	2017/06/07 16:13:39	0.030	0.000
450	2017/06/07 16:14:39	0.030	0.000
451	2017/06/07 16:15:39	0.030	0.000
452	2017/06/07 16:16:39	0.030	0.000
453	2017/06/07 16:17:39	0.030	0.000
454	2017/06/07 16:18:39	0.030	0.000
455	2017/06/07 16:19:39	0.030	0.000
456	2017/06/07 16:20:39	0.030	0.000
457	2017/06/07 16:21:39	0.030	0.000
458	2017/06/07 16:22:39	0.030	0.000
459	2017/06/07 16:23:39	0.030	0.000
460	2017/06/07 16:24:39	0.030	0.000
461	2017/06/07 16:25:39	0.030	0.000
462	2017/06/07 16:26:39	0.030	0.000
463	2017/06/07 16:27:39	0.030	0.000
464	2017/06/07 16:28:39	0.030	0.000
465	2017/06/07 16:29:39	0.030	0.000
466	2017/06/07 16:30:39	0.030	0.000
467	2017/06/07 16:31:39	0.030	0.000
468	2017/06/07 16:32:39	0.030	0.000
469	2017/06/07 16:33:39	0.030	0.000
470	2017/06/07 16:34:39	0.030	0.000
471	2017/06/07 16:35:39	0.030	0.000
472	2017/06/07 16:36:39	0.030	0.000
473	2017/06/07 16:37:39	0.030	0.000
474	2017/06/07 16:38:39	0.030	0.000
475	2017/06/07 16:39:39	0.030	0.000
476	2017/06/07 16:40:39	0.030	0.000
477	2017/06/07 16:41:39	0.030	0.000
478	2017/06/07 16:42:39	0.030	0.000
479	2017/06/07 16:43:39	0.030	0.000

17/06/08 08:23

Summary

Unit Name	MiniRAE 3000
Unit SN	592-915936
Unit Firmware Ver	V1.20B
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2017/06/08 08:23:12
End	2017/06/08 16:30:29
Sample Period(s)	60
Number of Records	487
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	5.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10000.000
Measurement Gas	Isobutylene
Calibration Time	2017/06/08 08:22
Peak	0.027
Min	0.000
Average	0.000

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2017/06/08 08:24:12	0.016	0.044	0.000
002	2017/06/08 08:25:12	0.011	0.067	0.000
003	2017/06/08 08:26:12	0.003	0.027	0.027
004	2017/06/08 08:27:12	0.007	0.041	0.000
005	2017/06/08 08:28:12	0.000	0.000	0.000
006	2017/06/08 08:29:12	0.000	0.000	0.000
007	2017/06/08 08:30:12	0.000	0.000	0.000
008	2017/06/08 08:31:12	0.000	0.000	0.000
009	2017/06/08 08:32:12	0.000	0.000	0.000
010	2017/06/08 08:33:12	0.015	0.227	0.000
011	2017/06/08 08:34:12	0.031	0.283	0.000
012	2017/06/08 08:35:12	0.000	0.000	0.000
013	2017/06/08 08:36:12	0.000	0.000	0.000
014	2017/06/08 08:37:12	0.000	0.000	0.000
015	2017/06/08 08:38:12	0.000	0.000	0.000
016	2017/06/08 08:39:12	0.000	0.000	0.000
017	2017/06/08 08:40:12	0.000	0.000	0.000
018	2017/06/08 08:41:12	0.000	0.000	0.000
019	2017/06/08 08:42:12	0.000	0.000	0.000
020	2017/06/08 08:43:12	0.000	0.000	0.000
021	2017/06/08 08:44:12	0.000	0.000	0.000
022	2017/06/08 08:45:12	0.000	0.000	0.000

023	2017/06/08	08:46:12	0.000	0.000	0.000
024	2017/06/08	08:47:12	0.000	0.000	0.000
025	2017/06/08	08:48:12	0.000	0.000	0.000
026	2017/06/08	08:49:12	0.000	0.000	0.000
027	2017/06/08	08:50:12	0.000	0.000	0.000
028	2017/06/08	08:51:12	0.000	0.000	0.000
029	2017/06/08	08:52:12	0.000	0.000	0.000
030	2017/06/08	08:53:12	0.000	0.000	0.000
031	2017/06/08	08:54:12	0.000	0.000	0.000
032	2017/06/08	08:55:12	0.000	0.000	0.000
033	2017/06/08	08:56:12	0.000	0.000	0.000
034	2017/06/08	08:57:12	0.000	0.000	0.000
035	2017/06/08	08:58:12	0.000	0.000	0.000
036	2017/06/08	08:59:12	0.000	0.000	0.000
037	2017/06/08	09:00:12	0.000	0.000	0.000
038	2017/06/08	09:01:12	0.000	0.000	0.000
039	2017/06/08	09:02:12	0.000	0.000	0.000
040	2017/06/08	09:03:12	0.000	0.000	0.000
041	2017/06/08	09:04:12	0.000	0.000	0.000
042	2017/06/08	09:05:12	0.000	0.000	0.000
043	2017/06/08	09:06:12	0.000	0.000	0.000
044	2017/06/08	09:07:12	0.000	0.000	0.000
045	2017/06/08	09:08:12	0.000	0.000	0.000
046	2017/06/08	09:09:12	0.000	0.000	0.000
047	2017/06/08	09:10:12	0.000	0.000	0.000
048	2017/06/08	09:11:12	0.000	0.000	0.000
049	2017/06/08	09:12:12	0.000	0.000	0.000
050	2017/06/08	09:13:12	0.000	0.000	0.000
051	2017/06/08	09:14:12	0.000	0.000	0.000
052	2017/06/08	09:15:12	0.000	0.000	0.000
053	2017/06/08	09:16:12	0.000	0.000	0.000
054	2017/06/08	09:17:12	0.000	0.000	0.000
055	2017/06/08	09:18:12	0.000	0.000	0.000
056	2017/06/08	09:19:12	0.000	0.000	0.000
057	2017/06/08	09:20:12	0.000	0.000	0.000
058	2017/06/08	09:21:12	0.000	0.000	0.000
059	2017/06/08	09:22:12	0.000	0.000	0.000
060	2017/06/08	09:23:12	0.000	0.000	0.000
061	2017/06/08	09:24:12	0.000	0.000	0.000
062	2017/06/08	09:25:12	0.000	0.000	0.000
063	2017/06/08	09:26:12	0.000	0.000	0.000
064	2017/06/08	09:27:12	0.000	0.000	0.000
065	2017/06/08	09:28:12	0.000	0.000	0.000
066	2017/06/08	09:29:12	0.000	0.000	0.000
067	2017/06/08	09:30:12	0.000	0.000	0.000
068	2017/06/08	09:31:12	0.000	0.000	0.000
069	2017/06/08	09:32:12	0.000	0.000	0.000
070	2017/06/08	09:33:12	0.000	0.000	0.000
071	2017/06/08	09:34:12	0.000	0.000	0.000
072	2017/06/08	09:35:12	0.000	0.000	0.000
073	2017/06/08	09:36:12	0.000	0.000	0.000
074	2017/06/08	09:37:12	0.000	0.000	0.000
075	2017/06/08	09:38:12	0.000	0.000	0.000
076	2017/06/08	09:39:12	0.000	0.000	0.000
077	2017/06/08	09:40:12	0.000	0.000	0.000
078	2017/06/08	09:41:12	0.000	0.000	0.000
079	2017/06/08	09:42:12	0.000	0.000	0.000
080	2017/06/08	09:43:12	0.000	0.000	0.000
081	2017/06/08	09:44:12	0.000	0.000	0.000
082	2017/06/08	09:45:12	0.000	0.000	0.000
083	2017/06/08	09:46:12	0.000	0.000	0.000
084	2017/06/08	09:47:12	0.000	0.000	0.000
085	2017/06/08	09:48:12	0.000	0.000	0.000

086	2017/06/08	09:49:12	0.000	0.000	0.000
087	2017/06/08	09:50:12	0.000	0.000	0.000
088	2017/06/08	09:51:12	0.000	0.000	0.000
089	2017/06/08	09:52:12	0.000	0.000	0.000
090	2017/06/08	09:53:12	0.000	0.000	0.000
091	2017/06/08	09:54:12	0.000	0.000	0.000
092	2017/06/08	09:55:12	0.000	0.000	0.000
093	2017/06/08	09:56:12	0.000	0.000	0.000
094	2017/06/08	09:57:12	0.000	0.000	0.000
095	2017/06/08	09:58:12	0.000	0.000	0.000
096	2017/06/08	09:59:12	0.000	0.000	0.000
097	2017/06/08	10:00:12	0.000	0.000	0.000
098	2017/06/08	10:01:12	0.000	0.000	0.000
099	2017/06/08	10:02:12	0.000	0.000	0.000
100	2017/06/08	10:03:12	0.000	0.000	0.000
101	2017/06/08	10:04:12	0.000	0.000	0.000
102	2017/06/08	10:05:12	0.000	0.000	0.000
103	2017/06/08	10:06:12	0.000	0.000	0.000
104	2017/06/08	10:07:12	0.000	0.000	0.000
105	2017/06/08	10:08:12	0.000	0.000	0.000
106	2017/06/08	10:09:12	0.000	0.000	0.000
107	2017/06/08	10:10:12	0.000	0.000	0.000
108	2017/06/08	10:11:12	0.000	0.000	0.000
109	2017/06/08	10:12:12	0.000	0.000	0.000
110	2017/06/08	10:13:12	0.000	0.000	0.000
111	2017/06/08	10:14:12	0.000	0.000	0.000
112	2017/06/08	10:15:12	0.000	0.000	0.000
113	2017/06/08	10:16:12	0.000	0.000	0.000
114	2017/06/08	10:17:12	0.000	0.000	0.000
115	2017/06/08	10:18:12	0.000	0.000	0.000
116	2017/06/08	10:19:12	0.000	0.000	0.000
117	2017/06/08	10:20:12	0.000	0.000	0.000
118	2017/06/08	10:21:12	0.000	0.000	0.000
119	2017/06/08	10:22:12	0.000	0.000	0.000
120	2017/06/08	10:23:12	0.000	0.000	0.000
121	2017/06/08	10:24:12	0.000	0.000	0.000
122	2017/06/08	10:25:12	0.000	0.000	0.000
123	2017/06/08	10:26:12	0.000	0.000	0.000
124	2017/06/08	10:27:12	0.000	0.000	0.000
125	2017/06/08	10:28:12	0.000	0.000	0.000
126	2017/06/08	10:29:12	0.000	0.000	0.000
127	2017/06/08	10:30:12	0.000	0.000	0.000
128	2017/06/08	10:31:12	0.000	0.000	0.000
129	2017/06/08	10:32:12	0.000	0.000	0.000
130	2017/06/08	10:33:12	0.000	0.000	0.000
131	2017/06/08	10:34:12	0.000	0.000	0.000
132	2017/06/08	10:35:12	0.000	0.000	0.000
133	2017/06/08	10:36:12	0.000	0.000	0.000
134	2017/06/08	10:37:12	0.000	0.000	0.000
135	2017/06/08	10:38:12	0.000	0.000	0.000
136	2017/06/08	10:39:12	0.000	0.000	0.000
137	2017/06/08	10:40:12	0.000	0.000	0.000
138	2017/06/08	10:41:12	0.000	0.000	0.000
139	2017/06/08	10:42:12	0.000	0.000	0.000
140	2017/06/08	10:43:12	0.000	0.000	0.000
141	2017/06/08	10:44:12	0.000	0.000	0.000
142	2017/06/08	10:45:12	0.000	0.000	0.000
143	2017/06/08	10:46:12	0.000	0.000	0.000
144	2017/06/08	10:47:12	0.000	0.000	0.000
145	2017/06/08	10:48:12	0.000	0.000	0.000
146	2017/06/08	10:49:12	0.000	0.000	0.000
147	2017/06/08	10:50:12	0.000	0.000	0.000
148	2017/06/08	10:51:12	0.000	0.000	0.000

149	2017/06/08	10:52:12	0.000	0.000	0.000
150	2017/06/08	10:53:12	0.000	0.000	0.000
151	2017/06/08	10:54:12	0.000	0.000	0.000
152	2017/06/08	10:55:12	0.000	0.000	0.000
153	2017/06/08	10:56:12	0.000	0.000	0.000
154	2017/06/08	10:57:12	0.000	0.000	0.000
155	2017/06/08	10:58:12	0.000	0.000	0.000
156	2017/06/08	10:59:12	0.000	0.000	0.000
157	2017/06/08	11:00:12	0.000	0.000	0.000
158	2017/06/08	11:01:12	0.000	0.000	0.000
159	2017/06/08	11:02:12	0.000	0.000	0.000
160	2017/06/08	11:03:12	0.000	0.000	0.000
161	2017/06/08	11:04:12	0.000	0.000	0.000
162	2017/06/08	11:05:12	0.000	0.000	0.000
163	2017/06/08	11:06:12	0.000	0.000	0.000
164	2017/06/08	11:07:12	0.000	0.000	0.000
165	2017/06/08	11:08:12	0.000	0.000	0.000
166	2017/06/08	11:09:12	0.000	0.000	0.000
167	2017/06/08	11:10:12	0.000	0.000	0.000
168	2017/06/08	11:11:12	0.000	0.000	0.000
169	2017/06/08	11:12:12	0.000	0.000	0.000
170	2017/06/08	11:13:12	0.000	0.000	0.000
171	2017/06/08	11:14:12	0.000	0.000	0.000
172	2017/06/08	11:15:12	0.000	0.000	0.000
173	2017/06/08	11:16:12	0.000	0.000	0.000
174	2017/06/08	11:17:12	0.000	0.000	0.000
175	2017/06/08	11:18:12	0.000	0.000	0.000
176	2017/06/08	11:19:12	0.000	0.000	0.000
177	2017/06/08	11:20:12	0.000	0.000	0.000
178	2017/06/08	11:21:12	0.000	0.000	0.000
179	2017/06/08	11:22:12	0.000	0.000	0.000
180	2017/06/08	11:23:12	0.000	0.000	0.000
181	2017/06/08	11:24:12	0.000	0.000	0.000
182	2017/06/08	11:25:12	0.000	0.000	0.000
183	2017/06/08	11:26:12	0.000	0.000	0.000
184	2017/06/08	11:27:12	0.000	0.000	0.000
185	2017/06/08	11:28:12	0.000	0.000	0.000
186	2017/06/08	11:29:12	0.000	0.000	0.000
187	2017/06/08	11:30:12	0.000	0.000	0.000
188	2017/06/08	11:31:12	0.000	0.000	0.000
189	2017/06/08	11:32:12	0.000	0.000	0.000
190	2017/06/08	11:33:12	0.000	0.000	0.000
191	2017/06/08	11:34:12	0.000	0.000	0.000
192	2017/06/08	11:35:12	0.000	0.000	0.000
193	2017/06/08	11:36:12	0.000	0.000	0.000
194	2017/06/08	11:37:12	0.000	0.000	0.000
195	2017/06/08	11:38:12	0.000	0.000	0.000
196	2017/06/08	11:39:12	0.000	0.000	0.000
197	2017/06/08	11:40:12	0.000	0.000	0.000
198	2017/06/08	11:41:12	0.000	0.000	0.000
199	2017/06/08	11:42:12	0.000	0.000	0.000
200	2017/06/08	11:43:12	0.000	0.000	0.000
201	2017/06/08	11:44:12	0.000	0.000	0.000
202	2017/06/08	11:45:12	0.000	0.000	0.000
203	2017/06/08	11:46:12	0.000	0.000	0.000
204	2017/06/08	11:47:12	0.000	0.000	0.000
205	2017/06/08	11:48:12	0.000	0.000	0.000
206	2017/06/08	11:49:12	0.000	0.000	0.000
207	2017/06/08	11:50:12	0.000	0.000	0.000
208	2017/06/08	11:51:12	0.000	0.000	0.000
209	2017/06/08	11:52:12	0.000	0.000	0.000
210	2017/06/08	11:53:12	0.000	0.000	0.000
211	2017/06/08	11:54:12	0.000	0.000	0.000

212	2017/06/08	11:55:12	0.000	0.000	0.000
213	2017/06/08	11:56:12	0.000	0.000	0.000
214	2017/06/08	11:57:12	0.000	0.000	0.000
215	2017/06/08	11:58:12	0.000	0.000	0.000
216	2017/06/08	11:59:12	0.000	0.000	0.000
217	2017/06/08	12:00:12	0.000	0.000	0.000
218	2017/06/08	12:01:12	0.000	0.000	0.000
219	2017/06/08	12:02:12	0.000	0.000	0.000
220	2017/06/08	12:03:12	0.000	0.000	0.000
221	2017/06/08	12:04:12	0.000	0.000	0.000
222	2017/06/08	12:05:12	0.000	0.000	0.000
223	2017/06/08	12:06:12	0.000	0.000	0.000
224	2017/06/08	12:07:12	0.000	0.000	0.000
225	2017/06/08	12:08:12	0.000	0.000	0.000
226	2017/06/08	12:09:12	0.000	0.000	0.000
227	2017/06/08	12:10:12	0.000	0.000	0.000
228	2017/06/08	12:11:12	0.000	0.000	0.000
229	2017/06/08	12:12:12	0.000	0.000	0.000
230	2017/06/08	12:13:12	0.000	0.000	0.000
231	2017/06/08	12:14:12	0.000	0.000	0.000
232	2017/06/08	12:15:12	0.000	0.000	0.000
233	2017/06/08	12:16:12	0.000	0.000	0.000
234	2017/06/08	12:17:12	0.000	0.000	0.000
235	2017/06/08	12:18:12	0.000	0.000	0.000
236	2017/06/08	12:19:12	0.000	0.000	0.000
237	2017/06/08	12:20:12	0.000	0.000	0.000
238	2017/06/08	12:21:12	0.000	0.000	0.000
239	2017/06/08	12:22:12	0.000	0.000	0.000
240	2017/06/08	12:23:12	0.000	0.000	0.000
241	2017/06/08	12:24:12	0.000	0.000	0.000
242	2017/06/08	12:25:12	0.000	0.000	0.000
243	2017/06/08	12:26:12	0.000	0.000	0.000
244	2017/06/08	12:27:12	0.000	0.000	0.000
245	2017/06/08	12:28:12	0.000	0.000	0.000
246	2017/06/08	12:29:12	0.000	0.000	0.000
247	2017/06/08	12:30:12	0.000	0.000	0.000
248	2017/06/08	12:31:12	0.000	0.000	0.000
249	2017/06/08	12:32:12	0.000	0.000	0.000
250	2017/06/08	12:33:12	0.000	0.000	0.000
251	2017/06/08	12:34:12	0.000	0.000	0.000
252	2017/06/08	12:35:12	0.000	0.000	0.000
253	2017/06/08	12:36:12	0.000	0.000	0.000
254	2017/06/08	12:37:12	0.000	0.000	0.000
255	2017/06/08	12:38:12	0.000	0.000	0.000
256	2017/06/08	12:39:12	0.000	0.000	0.000
257	2017/06/08	12:40:12	0.000	0.000	0.000
258	2017/06/08	12:41:12	0.000	0.000	0.000
259	2017/06/08	12:42:12	0.000	0.000	0.000
260	2017/06/08	12:43:12	0.000	0.000	0.000
261	2017/06/08	12:44:12	0.000	0.000	0.000
262	2017/06/08	12:45:12	0.000	0.000	0.000
263	2017/06/08	12:46:12	0.000	0.000	0.000
264	2017/06/08	12:47:12	0.000	0.000	0.000
265	2017/06/08	12:48:12	0.000	0.000	0.000
266	2017/06/08	12:49:12	0.000	0.000	0.000
267	2017/06/08	12:50:12	0.000	0.000	0.000
268	2017/06/08	12:51:12	0.000	0.000	0.000
269	2017/06/08	12:52:12	0.000	0.000	0.000
270	2017/06/08	12:53:12	0.000	0.000	0.000
271	2017/06/08	12:54:12	0.000	0.000	0.000
272	2017/06/08	12:55:12	0.000	0.000	0.000
273	2017/06/08	12:56:12	0.000	0.000	0.000
274	2017/06/08	12:57:12	0.000	0.000	0.000

275	2017/06/08	12:58:12	0.000	0.000	0.000
276	2017/06/08	12:59:12	0.000	0.000	0.000
277	2017/06/08	13:00:12	0.000	0.000	0.000
278	2017/06/08	13:01:12	0.000	0.000	0.000
279	2017/06/08	13:02:12	0.000	0.000	0.000
280	2017/06/08	13:03:12	0.000	0.000	0.000
281	2017/06/08	13:04:12	0.000	0.000	0.000
282	2017/06/08	13:05:12	0.000	0.000	0.000
283	2017/06/08	13:06:12	0.000	0.000	0.000
284	2017/06/08	13:07:12	0.000	0.000	0.000
285	2017/06/08	13:08:12	0.000	0.000	0.000
286	2017/06/08	13:09:12	0.000	0.000	0.000
287	2017/06/08	13:10:12	0.000	0.000	0.000
288	2017/06/08	13:11:12	0.000	0.000	0.000
289	2017/06/08	13:12:12	0.000	0.000	0.000
290	2017/06/08	13:13:12	0.000	0.000	0.000
291	2017/06/08	13:14:12	0.000	0.000	0.000
292	2017/06/08	13:15:12	0.000	0.000	0.000
293	2017/06/08	13:16:12	0.000	0.000	0.000
294	2017/06/08	13:17:12	0.000	0.000	0.000
295	2017/06/08	13:18:12	0.000	0.000	0.000
296	2017/06/08	13:19:12	0.000	0.000	0.000
297	2017/06/08	13:20:12	0.000	0.000	0.000
298	2017/06/08	13:21:12	0.000	0.000	0.000
299	2017/06/08	13:22:12	0.000	0.000	0.000
300	2017/06/08	13:23:12	0.000	0.000	0.000
301	2017/06/08	13:24:12	0.000	0.000	0.000
302	2017/06/08	13:25:12	0.000	0.000	0.000
303	2017/06/08	13:26:12	0.000	0.000	0.000
304	2017/06/08	13:27:12	0.000	0.000	0.000
305	2017/06/08	13:28:12	0.000	0.000	0.000
306	2017/06/08	13:29:12	0.000	0.000	0.000
307	2017/06/08	13:30:12	0.000	0.000	0.000
308	2017/06/08	13:31:12	0.000	0.000	0.000
309	2017/06/08	13:32:12	0.000	0.000	0.000
310	2017/06/08	13:33:12	0.000	0.000	0.000
311	2017/06/08	13:34:12	0.000	0.000	0.000
312	2017/06/08	13:35:12	0.000	0.000	0.000
313	2017/06/08	13:36:12	0.000	0.000	0.000
314	2017/06/08	13:37:12	0.000	0.000	0.000
315	2017/06/08	13:38:12	0.000	0.000	0.000
316	2017/06/08	13:39:12	0.000	0.000	0.000
317	2017/06/08	13:40:12	0.000	0.000	0.000
318	2017/06/08	13:41:12	0.000	0.000	0.000
319	2017/06/08	13:42:12	0.000	0.000	0.000
320	2017/06/08	13:43:12	0.000	0.000	0.000
321	2017/06/08	13:44:12	0.000	0.000	0.000
322	2017/06/08	13:45:12	0.000	0.000	0.000
323	2017/06/08	13:46:12	0.000	0.000	0.000
324	2017/06/08	13:47:12	0.000	0.000	0.000
325	2017/06/08	13:48:12	0.000	0.000	0.000
326	2017/06/08	13:49:12	0.000	0.000	0.000
327	2017/06/08	13:50:12	0.000	0.000	0.000
328	2017/06/08	13:51:12	0.000	0.000	0.000
329	2017/06/08	13:52:12	0.000	0.000	0.000
330	2017/06/08	13:53:12	0.000	0.000	0.000
331	2017/06/08	13:54:12	0.000	0.000	0.000
332	2017/06/08	13:55:12	0.000	0.000	0.000
333	2017/06/08	13:56:12	0.000	0.000	0.000
334	2017/06/08	13:57:12	0.000	0.000	0.000
335	2017/06/08	13:58:12	0.000	0.000	0.000
336	2017/06/08	13:59:12	0.000	0.000	0.000
337	2017/06/08	14:00:12	0.000	0.000	0.000

338	2017/06/08	14:01:12	0.000	0.000	0.000
339	2017/06/08	14:02:12	0.000	0.000	0.000
340	2017/06/08	14:03:12	0.000	0.000	0.000
341	2017/06/08	14:04:12	0.000	0.000	0.000
342	2017/06/08	14:05:12	0.000	0.000	0.000
343	2017/06/08	14:06:12	0.000	0.000	0.000
344	2017/06/08	14:07:12	0.000	0.000	0.000
345	2017/06/08	14:08:12	0.000	0.000	0.000
346	2017/06/08	14:09:12	0.000	0.000	0.000
347	2017/06/08	14:10:12	0.000	0.000	0.000
348	2017/06/08	14:11:12	0.000	0.000	0.000
349	2017/06/08	14:12:12	0.000	0.000	0.000
350	2017/06/08	14:13:12	0.000	0.000	0.000
351	2017/06/08	14:14:12	0.000	0.000	0.000
352	2017/06/08	14:15:12	0.000	0.000	0.000
353	2017/06/08	14:16:12	0.000	0.000	0.000
354	2017/06/08	14:17:12	0.000	0.000	0.000
355	2017/06/08	14:18:12	0.000	0.000	0.000
356	2017/06/08	14:19:12	0.000	0.000	0.000
357	2017/06/08	14:20:12	0.000	0.000	0.000
358	2017/06/08	14:21:12	0.000	0.000	0.000
359	2017/06/08	14:22:12	0.000	0.000	0.000
360	2017/06/08	14:23:12	0.000	0.000	0.000
361	2017/06/08	14:24:12	0.000	0.000	0.000
362	2017/06/08	14:25:12	0.000	0.000	0.000
363	2017/06/08	14:26:12	0.000	0.000	0.000
364	2017/06/08	14:27:12	0.000	0.000	0.000
365	2017/06/08	14:28:12	0.000	0.000	0.000
366	2017/06/08	14:29:12	0.000	0.000	0.000
367	2017/06/08	14:30:12	0.000	0.000	0.000
368	2017/06/08	14:31:12	0.000	0.000	0.000
369	2017/06/08	14:32:12	0.000	0.000	0.000
370	2017/06/08	14:33:12	0.000	0.000	0.000
371	2017/06/08	14:34:12	0.000	0.000	0.000
372	2017/06/08	14:35:12	0.000	0.000	0.000
373	2017/06/08	14:36:12	0.000	0.000	0.000
374	2017/06/08	14:37:12	0.000	0.000	0.000
375	2017/06/08	14:38:12	0.000	0.000	0.000
376	2017/06/08	14:39:12	0.000	0.000	0.000
377	2017/06/08	14:40:12	0.000	0.000	0.000
378	2017/06/08	14:41:12	0.000	0.000	0.000
379	2017/06/08	14:42:12	0.000	0.000	0.000
380	2017/06/08	14:43:12	0.000	0.000	0.000
381	2017/06/08	14:44:12	0.000	0.000	0.000
382	2017/06/08	14:45:12	0.000	0.000	0.000
383	2017/06/08	14:46:12	0.000	0.000	0.000
384	2017/06/08	14:47:12	0.000	0.000	0.000
385	2017/06/08	14:48:12	0.000	0.000	0.000
386	2017/06/08	14:49:12	0.000	0.000	0.000
387	2017/06/08	14:50:12	0.000	0.000	0.000
388	2017/06/08	14:51:12	0.000	0.000	0.000
389	2017/06/08	14:52:12	0.000	0.000	0.000
390	2017/06/08	14:53:12	0.000	0.000	0.000
391	2017/06/08	14:54:12	0.000	0.000	0.000
392	2017/06/08	14:55:12	0.000	0.000	0.000
393	2017/06/08	14:56:12	0.000	0.000	0.000
394	2017/06/08	14:57:12	0.000	0.000	0.000
395	2017/06/08	14:58:12	0.000	0.000	0.000
396	2017/06/08	14:59:12	0.000	0.000	0.000
397	2017/06/08	15:00:12	0.000	0.000	0.000
398	2017/06/08	15:01:12	0.000	0.000	0.000
399	2017/06/08	15:02:12	0.000	0.000	0.000
400	2017/06/08	15:03:12	0.000	0.000	0.000

401	2017/06/08	15:04:12	0.000	0.000	0.000
402	2017/06/08	15:05:12	0.000	0.000	0.000
403	2017/06/08	15:06:12	0.000	0.000	0.000
404	2017/06/08	15:07:12	0.000	0.000	0.000
405	2017/06/08	15:08:12	0.000	0.000	0.000
406	2017/06/08	15:09:12	0.000	0.000	0.000
407	2017/06/08	15:10:12	0.000	0.000	0.000
408	2017/06/08	15:11:12	0.000	0.000	0.000
409	2017/06/08	15:12:12	0.000	0.000	0.000
410	2017/06/08	15:13:12	0.000	0.000	0.000
411	2017/06/08	15:14:12	0.000	0.000	0.000
412	2017/06/08	15:15:12	0.000	0.000	0.000
413	2017/06/08	15:16:12	0.000	0.000	0.000
414	2017/06/08	15:17:12	0.000	0.000	0.000
415	2017/06/08	15:18:12	0.000	0.000	0.000
416	2017/06/08	15:19:12	0.000	0.000	0.000
417	2017/06/08	15:20:12	0.000	0.000	0.000
418	2017/06/08	15:21:12	0.000	0.000	0.000
419	2017/06/08	15:22:12	0.000	0.000	0.000
420	2017/06/08	15:23:12	0.000	0.000	0.000
421	2017/06/08	15:24:12	0.000	0.000	0.000
422	2017/06/08	15:25:12	0.000	0.000	0.000
423	2017/06/08	15:26:12	0.000	0.000	0.000
424	2017/06/08	15:27:12	0.000	0.000	0.000
425	2017/06/08	15:28:12	0.000	0.000	0.000
426	2017/06/08	15:29:12	0.000	0.000	0.000
427	2017/06/08	15:30:12	0.000	0.000	0.000
428	2017/06/08	15:31:12	0.000	0.000	0.000
429	2017/06/08	15:32:12	0.000	0.000	0.000
430	2017/06/08	15:33:12	0.000	0.000	0.000
431	2017/06/08	15:34:12	0.000	0.000	0.000
432	2017/06/08	15:35:12	0.000	0.000	0.000
433	2017/06/08	15:36:12	0.000	0.000	0.000
434	2017/06/08	15:37:12	0.000	0.000	0.000
435	2017/06/08	15:38:12	0.000	0.000	0.000
436	2017/06/08	15:39:12	0.000	0.000	0.000
437	2017/06/08	15:40:12	0.000	0.000	0.000
438	2017/06/08	15:41:12	0.000	0.000	0.000
439	2017/06/08	15:42:12	0.000	0.000	0.000
440	2017/06/08	15:43:12	0.000	0.000	0.000
441	2017/06/08	15:44:12	0.000	0.000	0.000
442	2017/06/08	15:45:12	0.000	0.000	0.000
443	2017/06/08	15:46:12	0.000	0.000	0.000
444	2017/06/08	15:47:12	0.000	0.000	0.000
445	2017/06/08	15:48:12	0.000	0.000	0.000
446	2017/06/08	15:49:12	0.000	0.000	0.000
447	2017/06/08	15:50:12	0.000	0.000	0.000
448	2017/06/08	15:51:12	0.000	0.000	0.000
449	2017/06/08	15:52:12	0.000	0.000	0.000
450	2017/06/08	15:53:12	0.000	0.000	0.000
451	2017/06/08	15:54:12	0.000	0.000	0.000
452	2017/06/08	15:55:12	0.000	0.000	0.000
453	2017/06/08	15:56:12	0.000	0.000	0.000
454	2017/06/08	15:57:12	0.000	0.000	0.000
455	2017/06/08	15:58:12	0.000	0.000	0.000
456	2017/06/08	15:59:12	0.000	0.000	0.000
457	2017/06/08	16:00:12	0.000	0.000	0.000
458	2017/06/08	16:01:12	0.000	0.000	0.000
459	2017/06/08	16:02:12	0.000	0.000	0.000
460	2017/06/08	16:03:12	0.000	0.000	0.000
461	2017/06/08	16:04:12	0.000	0.000	0.000
462	2017/06/08	16:05:12	0.000	0.000	0.000
463	2017/06/08	16:06:12	0.000	0.000	0.000

464	2017/06/08 16:07:12	0.000	0.000	0.000
465	2017/06/08 16:08:12	0.000	0.000	0.000
466	2017/06/08 16:09:12	0.000	0.000	0.000
467	2017/06/08 16:10:12	0.000	0.000	0.000
468	2017/06/08 16:11:12	0.000	0.000	0.000
469	2017/06/08 16:12:12	0.000	0.000	0.000
470	2017/06/08 16:13:12	0.000	0.000	0.000
471	2017/06/08 16:14:12	0.000	0.000	0.000
472	2017/06/08 16:15:12	0.000	0.000	0.000
473	2017/06/08 16:16:12	0.000	0.000	0.000
474	2017/06/08 16:17:12	0.000	0.000	0.000
475	2017/06/08 16:18:12	0.000	0.000	0.000
476	2017/06/08 16:19:12	0.000	0.000	0.000
477	2017/06/08 16:20:12	0.000	0.000	0.000
478	2017/06/08 16:21:12	0.000	0.000	0.000
479	2017/06/08 16:22:12	0.000	0.000	0.000
480	2017/06/08 16:23:12	0.000	0.000	0.000
481	2017/06/08 16:24:12	0.000	0.000	0.000
482	2017/06/08 16:25:12	0.000	0.000	0.000
483	2017/06/08 16:26:12	0.000	0.000	0.000
484	2017/06/08 16:27:12	0.000	0.000	0.000
485	2017/06/08 16:28:12	0.000	0.000	0.000
486	2017/06/08 16:29:12	0.000	0.000	0.000
487	2017/06/08 16:30:12	0.000	0.000	0.000
Peak		0.031	0.283	0.027
Min		0.000	0.000	0.000
Average		0.000	0.001	0.000

****

TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2017/06/08 08:24:12	0.000	---
002	2017/06/08 08:25:12	0.000	---
003	2017/06/08 08:26:12	0.000	---
004	2017/06/08 08:27:12	0.000	---
005	2017/06/08 08:28:12	0.000	---
006	2017/06/08 08:29:12	0.000	---
007	2017/06/08 08:30:12	0.000	---
008	2017/06/08 08:31:12	0.000	---
009	2017/06/08 08:32:12	0.000	---
010	2017/06/08 08:33:12	0.000	---
011	2017/06/08 08:34:12	0.000	---
012	2017/06/08 08:35:12	0.000	---
013	2017/06/08 08:36:12	0.000	---
014	2017/06/08 08:37:12	0.000	---
015	2017/06/08 08:38:12	0.000	0.002
016	2017/06/08 08:39:12	0.000	0.002
017	2017/06/08 08:40:12	0.000	0.002
018	2017/06/08 08:41:12	0.000	0.000
019	2017/06/08 08:42:12	0.000	0.000
020	2017/06/08 08:43:12	0.000	0.000
021	2017/06/08 08:44:12	0.000	0.000
022	2017/06/08 08:45:12	0.000	0.000
023	2017/06/08 08:46:12	0.000	0.000
024	2017/06/08 08:47:12	0.000	0.000
025	2017/06/08 08:48:12	0.000	0.000
026	2017/06/08 08:49:12	0.000	0.000
027	2017/06/08 08:50:12	0.000	0.000
028	2017/06/08 08:51:12	0.000	0.000
029	2017/06/08 08:52:12	0.000	0.000
030	2017/06/08 08:53:12	0.000	0.000
031	2017/06/08 08:54:12	0.000	0.000
032	2017/06/08 08:55:12	0.000	0.000

033	2017/06/08 08:56:12	0.000	0.000
034	2017/06/08 08:57:12	0.000	0.000
035	2017/06/08 08:58:12	0.000	0.000
036	2017/06/08 08:59:12	0.000	0.000
037	2017/06/08 09:00:12	0.000	0.000
038	2017/06/08 09:01:12	0.000	0.000
039	2017/06/08 09:02:12	0.000	0.000
040	2017/06/08 09:03:12	0.000	0.000
041	2017/06/08 09:04:12	0.000	0.000
042	2017/06/08 09:05:12	0.000	0.000
043	2017/06/08 09:06:12	0.000	0.000
044	2017/06/08 09:07:12	0.000	0.000
045	2017/06/08 09:08:12	0.000	0.000
046	2017/06/08 09:09:12	0.000	0.000
047	2017/06/08 09:10:12	0.000	0.000
048	2017/06/08 09:11:12	0.000	0.000
049	2017/06/08 09:12:12	0.000	0.000
050	2017/06/08 09:13:12	0.000	0.000
051	2017/06/08 09:14:12	0.000	0.000
052	2017/06/08 09:15:12	0.000	0.000
053	2017/06/08 09:16:12	0.000	0.000
054	2017/06/08 09:17:12	0.000	0.000
055	2017/06/08 09:18:12	0.000	0.000
056	2017/06/08 09:19:12	0.000	0.000
057	2017/06/08 09:20:12	0.000	0.000
058	2017/06/08 09:21:12	0.000	0.000
059	2017/06/08 09:22:12	0.000	0.000
060	2017/06/08 09:23:12	0.000	0.000
061	2017/06/08 09:24:12	0.000	0.000
062	2017/06/08 09:25:12	0.000	0.000
063	2017/06/08 09:26:12	0.000	0.000
064	2017/06/08 09:27:12	0.000	0.000
065	2017/06/08 09:28:12	0.000	0.000
066	2017/06/08 09:29:12	0.000	0.000
067	2017/06/08 09:30:12	0.000	0.000
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069	2017/06/08 09:32:12	0.000	0.000
070	2017/06/08 09:33:12	0.000	0.000
071	2017/06/08 09:34:12	0.000	0.000
072	2017/06/08 09:35:12	0.000	0.000
073	2017/06/08 09:36:12	0.000	0.000
074	2017/06/08 09:37:12	0.000	0.000
075	2017/06/08 09:38:12	0.000	0.000
076	2017/06/08 09:39:12	0.000	0.000
077	2017/06/08 09:40:12	0.000	0.000
078	2017/06/08 09:41:12	0.000	0.000
079	2017/06/08 09:42:12	0.000	0.000
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081	2017/06/08 09:44:12	0.000	0.000
082	2017/06/08 09:45:12	0.000	0.000
083	2017/06/08 09:46:12	0.000	0.000
084	2017/06/08 09:47:12	0.000	0.000
085	2017/06/08 09:48:12	0.000	0.000
086	2017/06/08 09:49:12	0.000	0.000
087	2017/06/08 09:50:12	0.000	0.000
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090	2017/06/08 09:53:12	0.000	0.000
091	2017/06/08 09:54:12	0.000	0.000
092	2017/06/08 09:55:12	0.000	0.000
093	2017/06/08 09:56:12	0.000	0.000
094	2017/06/08 09:57:12	0.000	0.000
095	2017/06/08 09:58:12	0.000	0.000

096	2017/06/08 09:59:12	0.000	0.000
097	2017/06/08 10:00:12	0.000	0.000
098	2017/06/08 10:01:12	0.000	0.000
099	2017/06/08 10:02:12	0.000	0.000
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101	2017/06/08 10:04:12	0.000	0.000
102	2017/06/08 10:05:12	0.000	0.000
103	2017/06/08 10:06:12	0.000	0.000
104	2017/06/08 10:07:12	0.000	0.000
105	2017/06/08 10:08:12	0.000	0.000
106	2017/06/08 10:09:12	0.000	0.000
107	2017/06/08 10:10:12	0.000	0.000
108	2017/06/08 10:11:12	0.000	0.000
109	2017/06/08 10:12:12	0.000	0.000
110	2017/06/08 10:13:12	0.000	0.000
111	2017/06/08 10:14:12	0.000	0.000
112	2017/06/08 10:15:12	0.000	0.000
113	2017/06/08 10:16:12	0.000	0.000
114	2017/06/08 10:17:12	0.000	0.000
115	2017/06/08 10:18:12	0.000	0.000
116	2017/06/08 10:19:12	0.000	0.000
117	2017/06/08 10:20:12	0.000	0.000
118	2017/06/08 10:21:12	0.000	0.000
119	2017/06/08 10:22:12	0.000	0.000
120	2017/06/08 10:23:12	0.000	0.000
121	2017/06/08 10:24:12	0.000	0.000
122	2017/06/08 10:25:12	0.000	0.000
123	2017/06/08 10:26:12	0.000	0.000
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125	2017/06/08 10:28:12	0.000	0.000
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131	2017/06/08 10:34:12	0.000	0.000
132	2017/06/08 10:35:12	0.000	0.000
133	2017/06/08 10:36:12	0.000	0.000
134	2017/06/08 10:37:12	0.000	0.000
135	2017/06/08 10:38:12	0.000	0.000
136	2017/06/08 10:39:12	0.000	0.000
137	2017/06/08 10:40:12	0.000	0.000
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139	2017/06/08 10:42:12	0.000	0.000
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142	2017/06/08 10:45:12	0.000	0.000
143	2017/06/08 10:46:12	0.000	0.000
144	2017/06/08 10:47:12	0.000	0.000
145	2017/06/08 10:48:12	0.000	0.000
146	2017/06/08 10:49:12	0.000	0.000
147	2017/06/08 10:50:12	0.000	0.000
148	2017/06/08 10:51:12	0.000	0.000
149	2017/06/08 10:52:12	0.000	0.000
150	2017/06/08 10:53:12	0.000	0.000
151	2017/06/08 10:54:12	0.000	0.000
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153	2017/06/08 10:56:12	0.000	0.000
154	2017/06/08 10:57:12	0.000	0.000
155	2017/06/08 10:58:12	0.000	0.000
156	2017/06/08 10:59:12	0.000	0.000
157	2017/06/08 11:00:12	0.000	0.000
158	2017/06/08 11:01:12	0.000	0.000

159	2017/06/08 11:02:12	0.000	0.000
160	2017/06/08 11:03:12	0.000	0.000
161	2017/06/08 11:04:12	0.000	0.000
162	2017/06/08 11:05:12	0.000	0.000
163	2017/06/08 11:06:12	0.000	0.000
164	2017/06/08 11:07:12	0.000	0.000
165	2017/06/08 11:08:12	0.000	0.000
166	2017/06/08 11:09:12	0.000	0.000
167	2017/06/08 11:10:12	0.000	0.000
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169	2017/06/08 11:12:12	0.000	0.000
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172	2017/06/08 11:15:12	0.000	0.000
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174	2017/06/08 11:17:12	0.000	0.000
175	2017/06/08 11:18:12	0.000	0.000
176	2017/06/08 11:19:12	0.000	0.000
177	2017/06/08 11:20:12	0.000	0.000
178	2017/06/08 11:21:12	0.000	0.000
179	2017/06/08 11:22:12	0.000	0.000
180	2017/06/08 11:23:12	0.000	0.000
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182	2017/06/08 11:25:12	0.000	0.000
183	2017/06/08 11:26:12	0.000	0.000
184	2017/06/08 11:27:12	0.000	0.000
185	2017/06/08 11:28:12	0.000	0.000
186	2017/06/08 11:29:12	0.000	0.000
187	2017/06/08 11:30:12	0.000	0.000
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218	2017/06/08 12:01:12	0.000	0.000
219	2017/06/08 12:02:12	0.000	0.000
220	2017/06/08 12:03:12	0.000	0.000
221	2017/06/08 12:04:12	0.000	0.000

222	2017/06/08 12:05:12	0.000	0.000
223	2017/06/08 12:06:12	0.000	0.000
224	2017/06/08 12:07:12	0.000	0.000
225	2017/06/08 12:08:12	0.000	0.000
226	2017/06/08 12:09:12	0.000	0.000
227	2017/06/08 12:10:12	0.000	0.000
228	2017/06/08 12:11:12	0.000	0.000
229	2017/06/08 12:12:12	0.000	0.000
230	2017/06/08 12:13:12	0.000	0.000
231	2017/06/08 12:14:12	0.000	0.000
232	2017/06/08 12:15:12	0.000	0.000
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235	2017/06/08 12:18:12	0.000	0.000
236	2017/06/08 12:19:12	0.000	0.000
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238	2017/06/08 12:21:12	0.000	0.000
239	2017/06/08 12:22:12	0.000	0.000
240	2017/06/08 12:23:12	0.000	0.000
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246	2017/06/08 12:29:12	0.000	0.000
247	2017/06/08 12:30:12	0.000	0.000
248	2017/06/08 12:31:12	0.000	0.000
249	2017/06/08 12:32:12	0.000	0.000
250	2017/06/08 12:33:12	0.000	0.000
251	2017/06/08 12:34:12	0.000	0.000
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258	2017/06/08 12:41:12	0.000	0.000
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260	2017/06/08 12:43:12	0.000	0.000
261	2017/06/08 12:44:12	0.000	0.000
262	2017/06/08 12:45:12	0.000	0.000
263	2017/06/08 12:46:12	0.000	0.000
264	2017/06/08 12:47:12	0.000	0.000
265	2017/06/08 12:48:12	0.000	0.000
266	2017/06/08 12:49:12	0.000	0.000
267	2017/06/08 12:50:12	0.000	0.000
268	2017/06/08 12:51:12	0.000	0.000
269	2017/06/08 12:52:12	0.000	0.000
270	2017/06/08 12:53:12	0.000	0.000
271	2017/06/08 12:54:12	0.000	0.000
272	2017/06/08 12:55:12	0.000	0.000
273	2017/06/08 12:56:12	0.000	0.000
274	2017/06/08 12:57:12	0.000	0.000
275	2017/06/08 12:58:12	0.000	0.000
276	2017/06/08 12:59:12	0.000	0.000
277	2017/06/08 13:00:12	0.000	0.000
278	2017/06/08 13:01:12	0.000	0.000
279	2017/06/08 13:02:12	0.000	0.000
280	2017/06/08 13:03:12	0.000	0.000
281	2017/06/08 13:04:12	0.000	0.000
282	2017/06/08 13:05:12	0.000	0.000
283	2017/06/08 13:06:12	0.000	0.000
284	2017/06/08 13:07:12	0.000	0.000

285	2017/06/08 13:08:12	0.000	0.000
286	2017/06/08 13:09:12	0.000	0.000
287	2017/06/08 13:10:12	0.000	0.000
288	2017/06/08 13:11:12	0.000	0.000
289	2017/06/08 13:12:12	0.000	0.000
290	2017/06/08 13:13:12	0.000	0.000
291	2017/06/08 13:14:12	0.000	0.000
292	2017/06/08 13:15:12	0.000	0.000
293	2017/06/08 13:16:12	0.000	0.000
294	2017/06/08 13:17:12	0.000	0.000
295	2017/06/08 13:18:12	0.000	0.000
296	2017/06/08 13:19:12	0.000	0.000
297	2017/06/08 13:20:12	0.000	0.000
298	2017/06/08 13:21:12	0.000	0.000
299	2017/06/08 13:22:12	0.000	0.000
300	2017/06/08 13:23:12	0.000	0.000
301	2017/06/08 13:24:12	0.000	0.000
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304	2017/06/08 13:27:12	0.000	0.000
305	2017/06/08 13:28:12	0.000	0.000
306	2017/06/08 13:29:12	0.000	0.000
307	2017/06/08 13:30:12	0.000	0.000
308	2017/06/08 13:31:12	0.000	0.000
309	2017/06/08 13:32:12	0.000	0.000
310	2017/06/08 13:33:12	0.000	0.000
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312	2017/06/08 13:35:12	0.000	0.000
313	2017/06/08 13:36:12	0.000	0.000
314	2017/06/08 13:37:12	0.000	0.000
315	2017/06/08 13:38:12	0.000	0.000
316	2017/06/08 13:39:12	0.000	0.000
317	2017/06/08 13:40:12	0.000	0.000
318	2017/06/08 13:41:12	0.000	0.000
319	2017/06/08 13:42:12	0.000	0.000
320	2017/06/08 13:43:12	0.000	0.000
321	2017/06/08 13:44:12	0.000	0.000
322	2017/06/08 13:45:12	0.000	0.000
323	2017/06/08 13:46:12	0.000	0.000
324	2017/06/08 13:47:12	0.000	0.000
325	2017/06/08 13:48:12	0.000	0.000
326	2017/06/08 13:49:12	0.000	0.000
327	2017/06/08 13:50:12	0.000	0.000
328	2017/06/08 13:51:12	0.000	0.000
329	2017/06/08 13:52:12	0.000	0.000
330	2017/06/08 13:53:12	0.000	0.000
331	2017/06/08 13:54:12	0.000	0.000
332	2017/06/08 13:55:12	0.000	0.000
333	2017/06/08 13:56:12	0.000	0.000
334	2017/06/08 13:57:12	0.000	0.000
335	2017/06/08 13:58:12	0.000	0.000
336	2017/06/08 13:59:12	0.000	0.000
337	2017/06/08 14:00:12	0.000	0.000
338	2017/06/08 14:01:12	0.000	0.000
339	2017/06/08 14:02:12	0.000	0.000
340	2017/06/08 14:03:12	0.000	0.000
341	2017/06/08 14:04:12	0.000	0.000
342	2017/06/08 14:05:12	0.000	0.000
343	2017/06/08 14:06:12	0.000	0.000
344	2017/06/08 14:07:12	0.000	0.000
345	2017/06/08 14:08:12	0.000	0.000
346	2017/06/08 14:09:12	0.000	0.000
347	2017/06/08 14:10:12	0.000	0.000

348	2017/06/08	14:11:12	0.000 0.000
349	2017/06/08	14:12:12	0.000 0.000
350	2017/06/08	14:13:12	0.000 0.000
351	2017/06/08	14:14:12	0.000 0.000
352	2017/06/08	14:15:12	0.000 0.000
353	2017/06/08	14:16:12	0.000 0.000
354	2017/06/08	14:17:12	0.000 0.000
355	2017/06/08	14:18:12	0.000 0.000
356	2017/06/08	14:19:12	0.000 0.000
357	2017/06/08	14:20:12	0.000 0.000
358	2017/06/08	14:21:12	0.000 0.000
359	2017/06/08	14:22:12	0.000 0.000
360	2017/06/08	14:23:12	0.000 0.000
361	2017/06/08	14:24:12	0.000 0.000
362	2017/06/08	14:25:12	0.000 0.000
363	2017/06/08	14:26:12	0.000 0.000
364	2017/06/08	14:27:12	0.000 0.000
365	2017/06/08	14:28:12	0.000 0.000
366	2017/06/08	14:29:12	0.000 0.000
367	2017/06/08	14:30:12	0.000 0.000
368	2017/06/08	14:31:12	0.000 0.000
369	2017/06/08	14:32:12	0.000 0.000
370	2017/06/08	14:33:12	0.000 0.000
371	2017/06/08	14:34:12	0.000 0.000
372	2017/06/08	14:35:12	0.000 0.000
373	2017/06/08	14:36:12	0.000 0.000
374	2017/06/08	14:37:12	0.000 0.000
375	2017/06/08	14:38:12	0.000 0.000
376	2017/06/08	14:39:12	0.000 0.000
377	2017/06/08	14:40:12	0.000 0.000
378	2017/06/08	14:41:12	0.000 0.000
379	2017/06/08	14:42:12	0.000 0.000
380	2017/06/08	14:43:12	0.000 0.000
381	2017/06/08	14:44:12	0.000 0.000
382	2017/06/08	14:45:12	0.000 0.000
383	2017/06/08	14:46:12	0.000 0.000
384	2017/06/08	14:47:12	0.000 0.000
385	2017/06/08	14:48:12	0.000 0.000
386	2017/06/08	14:49:12	0.000 0.000
387	2017/06/08	14:50:12	0.000 0.000
388	2017/06/08	14:51:12	0.000 0.000
389	2017/06/08	14:52:12	0.000 0.000
390	2017/06/08	14:53:12	0.000 0.000
391	2017/06/08	14:54:12	0.000 0.000
392	2017/06/08	14:55:12	0.000 0.000
393	2017/06/08	14:56:12	0.000 0.000
394	2017/06/08	14:57:12	0.000 0.000
395	2017/06/08	14:58:12	0.000 0.000
396	2017/06/08	14:59:12	0.000 0.000
397	2017/06/08	15:00:12	0.000 0.000
398	2017/06/08	15:01:12	0.000 0.000
399	2017/06/08	15:02:12	0.000 0.000
400	2017/06/08	15:03:12	0.000 0.000
401	2017/06/08	15:04:12	0.000 0.000
402	2017/06/08	15:05:12	0.000 0.000
403	2017/06/08	15:06:12	0.000 0.000
404	2017/06/08	15:07:12	0.000 0.000
405	2017/06/08	15:08:12	0.000 0.000
406	2017/06/08	15:09:12	0.000 0.000
407	2017/06/08	15:10:12	0.000 0.000
408	2017/06/08	15:11:12	0.000 0.000
409	2017/06/08	15:12:12	0.000 0.000
410	2017/06/08	15:13:12	0.000 0.000

411	2017/06/08	15:14:12	0.000 0.000
412	2017/06/08	15:15:12	0.000 0.000
413	2017/06/08	15:16:12	0.000 0.000
414	2017/06/08	15:17:12	0.000 0.000
415	2017/06/08	15:18:12	0.000 0.000
416	2017/06/08	15:19:12	0.000 0.000
417	2017/06/08	15:20:12	0.000 0.000
418	2017/06/08	15:21:12	0.000 0.000
419	2017/06/08	15:22:12	0.000 0.000
420	2017/06/08	15:23:12	0.000 0.000
421	2017/06/08	15:24:12	0.000 0.000
422	2017/06/08	15:25:12	0.000 0.000
423	2017/06/08	15:26:12	0.000 0.000
424	2017/06/08	15:27:12	0.000 0.000
425	2017/06/08	15:28:12	0.000 0.000
426	2017/06/08	15:29:12	0.000 0.000
427	2017/06/08	15:30:12	0.000 0.000
428	2017/06/08	15:31:12	0.000 0.000
429	2017/06/08	15:32:12	0.000 0.000
430	2017/06/08	15:33:12	0.000 0.000
431	2017/06/08	15:34:12	0.000 0.000
432	2017/06/08	15:35:12	0.000 0.000
433	2017/06/08	15:36:12	0.000 0.000
434	2017/06/08	15:37:12	0.000 0.000
435	2017/06/08	15:38:12	0.000 0.000
436	2017/06/08	15:39:12	0.000 0.000
437	2017/06/08	15:40:12	0.000 0.000
438	2017/06/08	15:41:12	0.000 0.000
439	2017/06/08	15:42:12	0.000 0.000
440	2017/06/08	15:43:12	0.000 0.000
441	2017/06/08	15:44:12	0.000 0.000
442	2017/06/08	15:45:12	0.000 0.000
443	2017/06/08	15:46:12	0.000 0.000
444	2017/06/08	15:47:12	0.000 0.000
445	2017/06/08	15:48:12	0.000 0.000
446	2017/06/08	15:49:12	0.000 0.000
447	2017/06/08	15:50:12	0.000 0.000
448	2017/06/08	15:51:12	0.000 0.000
449	2017/06/08	15:52:12	0.000 0.000
450	2017/06/08	15:53:12	0.000 0.000
451	2017/06/08	15:54:12	0.000 0.000
452	2017/06/08	15:55:12	0.000 0.000
453	2017/06/08	15:56:12	0.000 0.000
454	2017/06/08	15:57:12	0.000 0.000
455	2017/06/08	15:58:12	0.000 0.000
456	2017/06/08	15:59:12	0.000 0.000
457	2017/06/08	16:00:12	0.000 0.000
458	2017/06/08	16:01:12	0.000 0.000
459	2017/06/08	16:02:12	0.000 0.000
460	2017/06/08	16:03:12	0.000 0.000
461	2017/06/08	16:04:12	0.000 0.000
462	2017/06/08	16:05:12	0.000 0.000
463	2017/06/08	16:06:12	0.000 0.000
464	2017/06/08	16:07:12	0.000 0.000
465	2017/06/08	16:08:12	0.000 0.000
466	2017/06/08	16:09:12	0.000 0.000
467	2017/06/08	16:10:12	0.000 0.000
468	2017/06/08	16:11:12	0.000 0.000
469	2017/06/08	16:12:12	0.000 0.000
470	2017/06/08	16:13:12	0.000 0.000
471	2017/06/08	16:14:12	0.000 0.000
472	2017/06/08	16:15:12	0.000 0.000
473	2017/06/08	16:16:12	0.000 0.000

474	2017/06/08 16:17:12	0.000	0.000
475	2017/06/08 16:18:12	0.000	0.000
476	2017/06/08 16:19:12	0.000	0.000
477	2017/06/08 16:20:12	0.000	0.000
478	2017/06/08 16:21:12	0.000	0.000
479	2017/06/08 16:22:12	0.000	0.000
480	2017/06/08 16:23:12	0.000	0.000
481	2017/06/08 16:24:12	0.000	0.000
482	2017/06/08 16:25:12	0.000	0.000
483	2017/06/08 16:26:12	0.000	0.000
484	2017/06/08 16:27:12	0.000	0.000
485	2017/06/08 16:28:12	0.000	0.000
486	2017/06/08 16:29:12	0.000	0.000
487	2017/06/08 16:30:12	0.000	0.000

17/06/09 07:47

Summary

Unit Name	MiniRAE 3000
Unit SN	592-915936
Unit Firmware Ver	V1.20B
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2017/06/09 07:47:35
End	2017/06/09 16:17:53
Sample Period(s)	60
Number of Records	510
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	5.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10000.000
Measurement Gas	Isobutylene
Calibration Time	2017/06/09 07:47
Peak	0.182
Min	0.000
Average	0.042

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2017/06/09 07:48:35	0.052	0.238	0.024
002	2017/06/09 07:49:35	0.031	0.044	0.044
003	2017/06/09 07:50:35	0.047	0.069	0.063
004	2017/06/09 07:51:35	0.048	0.072	0.058
005	2017/06/09 07:52:35	0.061	0.087	0.063
006	2017/06/09 07:53:35	0.064	0.077	0.077
007	2017/06/09 07:54:35	0.132	0.287	0.152
008	2017/06/09 07:55:35	0.135	0.149	0.146
009	2017/06/09 07:56:35	0.164	0.189	0.181
010	2017/06/09 07:57:35	0.161	0.186	0.171
011	2017/06/09 07:58:35	0.155	0.170	0.146
012	2017/06/09 07:59:35	0.166	0.185	0.155
013	2017/06/09 08:00:35	0.165	0.176	0.157
014	2017/06/09 08:01:35	0.183	0.243	0.164
015	2017/06/09 08:02:35	0.147	0.171	0.134
016	2017/06/09 08:03:35	0.124	0.133	0.122
017	2017/06/09 08:04:35	0.126	0.136	0.129
018	2017/06/09 08:05:35	0.125	0.146	0.136
019	2017/06/09 08:06:35	0.127	0.138	0.127
020	2017/06/09 08:07:35	0.132	0.140	0.129
021	2017/06/09 08:08:35	0.141	0.159	0.136
022	2017/06/09 08:09:35	0.135	0.147	0.132

023	2017/06/09	08:10:35	0.139	0.149	0.130
024	2017/06/09	08:11:35	0.140	0.159	0.128
025	2017/06/09	08:12:35	0.136	0.149	0.132
026	2017/06/09	08:13:35	0.129	0.132	0.126
027	2017/06/09	08:14:35	0.126	0.129	0.128
028	2017/06/09	08:15:35	0.126	0.129	0.128
029	2017/06/09	08:16:35	0.124	0.129	0.122
030	2017/06/09	08:17:35	0.122	0.129	0.123
031	2017/06/09	08:18:35	0.130	0.145	0.132
032	2017/06/09	08:19:35	0.141	0.159	0.127
033	2017/06/09	08:20:35	0.137	0.150	0.150
034	2017/06/09	08:21:35	0.163	0.217	0.136
035	2017/06/09	08:22:35	0.145	0.175	0.144
036	2017/06/09	08:23:35	0.146	0.152	0.141
037	2017/06/09	08:24:35	0.134	0.139	0.132
038	2017/06/09	08:25:35	0.134	0.140	0.132
039	2017/06/09	08:26:35	0.130	0.134	0.134
040	2017/06/09	08:27:35	0.148	0.198	0.182
041	2017/06/09	08:28:35	0.136	0.173	0.141
042	2017/06/09	08:29:35	0.140	0.152	0.130
043	2017/06/09	08:30:35	0.155	0.172	0.163
044	2017/06/09	08:31:35	0.155	0.177	0.136
045	2017/06/09	08:32:35	0.138	0.142	0.134
046	2017/06/09	08:33:35	0.138	0.144	0.140
047	2017/06/09	08:34:35	0.134	0.140	0.134
048	2017/06/09	08:35:35	0.134	0.147	0.136
049	2017/06/09	08:36:35	0.150	0.169	0.169
050	2017/06/09	08:37:35	0.155	0.169	0.145
051	2017/06/09	08:38:35	0.153	0.168	0.156
052	2017/06/09	08:39:35	0.140	0.152	0.134
053	2017/06/09	08:40:35	0.138	0.145	0.140
054	2017/06/09	08:41:35	0.150	0.186	0.143
055	2017/06/09	08:42:35	0.153	0.163	0.153
056	2017/06/09	08:43:35	0.144	0.153	0.148
057	2017/06/09	08:44:35	0.157	0.168	0.168
058	2017/06/09	08:45:35	0.179	0.217	0.164
059	2017/06/09	08:46:35	0.157	0.166	0.152
060	2017/06/09	08:47:35	0.156	0.175	0.166
061	2017/06/09	08:48:35	0.162	0.171	0.164
062	2017/06/09	08:49:35	0.154	0.163	0.156
063	2017/06/09	08:50:35	0.152	0.158	0.152
064	2017/06/09	08:51:35	0.152	0.163	0.145
065	2017/06/09	08:52:35	0.150	0.163	0.163
066	2017/06/09	08:53:35	0.157	0.174	0.146
067	2017/06/09	08:54:35	0.140	0.152	0.152
068	2017/06/09	08:55:35	0.142	0.153	0.133
069	2017/06/09	08:56:35	0.137	0.144	0.128
070	2017/06/09	08:57:35	0.136	0.151	0.150
071	2017/06/09	08:58:35	0.140	0.156	0.144
072	2017/06/09	08:59:35	0.148	0.184	0.142
073	2017/06/09	09:00:35	0.137	0.145	0.138
074	2017/06/09	09:01:35	0.143	0.158	0.141
075	2017/06/09	09:02:35	0.145	0.148	0.147
076	2017/06/09	09:03:35	0.145	0.147	0.146
077	2017/06/09	09:04:35	0.150	0.180	0.123
078	2017/06/09	09:05:35	0.124	0.128	0.128
079	2017/06/09	09:06:35	0.129	0.132	0.130
080	2017/06/09	09:07:35	0.125	0.132	0.126
081	2017/06/09	09:08:35	0.127	0.138	0.129
082	2017/06/09	09:09:35	0.122	0.127	0.126
083	2017/06/09	09:10:35	0.116	0.140	0.129
084	2017/06/09	09:11:35	0.111	0.139	0.110
085	2017/06/09	09:12:35	0.114	0.124	0.124

086	2017/06/09	09:13:35	0.127	0.142	0.129
087	2017/06/09	09:14:35	0.140	0.158	0.145
088	2017/06/09	09:15:35	0.147	0.153	0.147
089	2017/06/09	09:16:35	0.141	0.151	0.143
090	2017/06/09	09:17:35	0.135	0.142	0.125
091	2017/06/09	09:18:35	0.132	0.152	0.148
092	2017/06/09	09:19:35	0.140	0.160	0.127
093	2017/06/09	09:20:35	0.124	0.129	0.121
094	2017/06/09	09:21:35	0.122	0.130	0.119
095	2017/06/09	09:22:35	0.111	0.119	0.107
096	2017/06/09	09:23:35	0.122	0.128	0.123
097	2017/06/09	09:24:35	0.112	0.123	0.112
098	2017/06/09	09:25:35	0.104	0.142	0.138
099	2017/06/09	09:26:35	0.099	0.131	0.101
100	2017/06/09	09:27:35	0.103	0.114	0.091
101	2017/06/09	09:28:35	0.097	0.105	0.105
102	2017/06/09	09:29:35	0.100	0.111	0.104
103	2017/06/09	09:30:35	0.100	0.110	0.105
104	2017/06/09	09:31:35	0.102	0.111	0.091
105	2017/06/09	09:32:35	0.095	0.102	0.088
106	2017/06/09	09:33:35	0.089	0.101	0.100
107	2017/06/09	09:34:35	0.092	0.100	0.095
108	2017/06/09	09:35:35	0.101	0.126	0.099
109	2017/06/09	09:36:35	0.088	0.098	0.085
110	2017/06/09	09:37:35	0.084	0.091	0.086
111	2017/06/09	09:38:35	0.087	0.110	0.092
112	2017/06/09	09:39:35	0.084	0.094	0.086
113	2017/06/09	09:40:35	0.083	0.092	0.087
114	2017/06/09	09:41:35	0.084	0.101	0.087
115	2017/06/09	09:42:35	0.111	0.163	0.084
116	2017/06/09	09:43:35	0.082	0.088	0.082
117	2017/06/09	09:44:35	0.100	0.132	0.086
118	2017/06/09	09:45:35	0.081	0.087	0.084
119	2017/06/09	09:46:35	0.075	0.092	0.092
120	2017/06/09	09:47:35	0.081	0.102	0.080
121	2017/06/09	09:48:35	0.083	0.093	0.086
122	2017/06/09	09:49:35	0.089	0.128	0.085
123	2017/06/09	09:50:35	0.079	0.100	0.074
124	2017/06/09	09:51:35	0.071	0.074	0.074
125	2017/06/09	09:52:35	0.070	0.075	0.071
126	2017/06/09	09:53:35	0.069	0.078	0.062
127	2017/06/09	09:54:35	0.065	0.070	0.064
128	2017/06/09	09:55:35	0.060	0.064	0.062
129	2017/06/09	09:56:35	0.063	0.071	0.058
130	2017/06/09	09:57:35	0.057	0.060	0.059
131	2017/06/09	09:58:35	0.057	0.059	0.057
132	2017/06/09	09:59:35	0.063	0.082	0.066
133	2017/06/09	10:00:35	0.072	0.084	0.076
134	2017/06/09	10:01:35	0.060	0.076	0.051
135	2017/06/09	10:02:35	0.052	0.054	0.053
136	2017/06/09	10:03:35	0.053	0.062	0.062
137	2017/06/09	10:04:35	0.056	0.061	0.060
138	2017/06/09	10:05:35	0.058	0.061	0.049
139	2017/06/09	10:06:35	0.048	0.053	0.045
140	2017/06/09	10:07:35	0.050	0.058	0.058
141	2017/06/09	10:08:35	0.060	0.075	0.066
142	2017/06/09	10:09:35	0.057	0.080	0.052
143	2017/06/09	10:10:35	0.055	0.066	0.055
144	2017/06/09	10:11:35	0.061	0.075	0.054
145	2017/06/09	10:12:35	0.052	0.054	0.049
146	2017/06/09	10:13:35	0.059	0.073	0.063
147	2017/06/09	10:14:35	0.063	0.084	0.051
148	2017/06/09	10:15:35	0.055	0.072	0.043

149	2017/06/09	10:16:35	0.053	0.058	0.052
150	2017/06/09	10:17:35	0.046	0.055	0.044
151	2017/06/09	10:18:35	0.047	0.051	0.048
152	2017/06/09	10:19:35	0.047	0.061	0.048
153	2017/06/09	10:20:35	0.053	0.070	0.054
154	2017/06/09	10:21:35	0.047	0.058	0.050
155	2017/06/09	10:22:35	0.053	0.067	0.049
156	2017/06/09	10:23:35	0.047	0.062	0.051
157	2017/06/09	10:24:35	0.048	0.059	0.049
158	2017/06/09	10:25:35	0.046	0.063	0.058
159	2017/06/09	10:26:35	0.046	0.061	0.041
160	2017/06/09	10:27:35	0.040	0.044	0.034
161	2017/06/09	10:28:35	0.043	0.053	0.053
162	2017/06/09	10:29:35	0.050	0.067	0.057
163	2017/06/09	10:30:35	0.061	0.075	0.055
164	2017/06/09	10:31:35	0.044	0.056	0.038
165	2017/06/09	10:32:35	0.048	0.059	0.049
166	2017/06/09	10:33:35	0.047	0.061	0.061
167	2017/06/09	10:34:35	0.048	0.062	0.055
168	2017/06/09	10:35:35	0.059	0.081	0.065
169	2017/06/09	10:36:35	0.064	0.080	0.072
170	2017/06/09	10:37:35	0.060	0.071	0.056
171	2017/06/09	10:38:35	0.062	0.084	0.061
172	2017/06/09	10:39:35	0.060	0.087	0.051
173	2017/06/09	10:40:35	0.054	0.072	0.054
174	2017/06/09	10:41:35	0.053	0.064	0.047
175	2017/06/09	10:42:35	0.051	0.068	0.047
176	2017/06/09	10:43:35	0.046	0.059	0.047
177	2017/06/09	10:44:35	0.052	0.058	0.042
178	2017/06/09	10:45:35	0.046	0.055	0.044
179	2017/06/09	10:46:35	0.046	0.052	0.039
180	2017/06/09	10:47:35	0.041	0.050	0.036
181	2017/06/09	10:48:35	0.037	0.043	0.030
182	2017/06/09	10:49:35	0.034	0.038	0.038
183	2017/06/09	10:50:35	0.035	0.044	0.037
184	2017/06/09	10:51:35	0.036	0.051	0.032
185	2017/06/09	10:52:35	0.037	0.043	0.042
186	2017/06/09	10:53:35	0.046	0.071	0.050
187	2017/06/09	10:54:35	0.039	0.056	0.032
188	2017/06/09	10:55:35	0.036	0.052	0.039
189	2017/06/09	10:56:35	0.043	0.053	0.041
190	2017/06/09	10:57:35	0.046	0.066	0.057
191	2017/06/09	10:58:35	0.045	0.057	0.032
192	2017/06/09	10:59:35	0.030	0.038	0.030
193	2017/06/09	11:00:35	0.038	0.054	0.048
194	2017/06/09	11:01:35	0.043	0.052	0.042
195	2017/06/09	11:02:35	0.049	0.063	0.052
196	2017/06/09	11:03:35	0.049	0.062	0.048
197	2017/06/09	11:04:35	0.043	0.051	0.038
198	2017/06/09	11:05:35	0.039	0.053	0.053
199	2017/06/09	11:06:35	0.042	0.053	0.039
200	2017/06/09	11:07:35	0.045	0.068	0.033
201	2017/06/09	11:08:35	0.036	0.044	0.041
202	2017/06/09	11:09:35	0.045	0.051	0.047
203	2017/06/09	11:10:35	0.038	0.052	0.046
204	2017/06/09	11:11:35	0.037	0.044	0.043
205	2017/06/09	11:12:35	0.040	0.053	0.041
206	2017/06/09	11:13:35	0.047	0.061	0.044
207	2017/06/09	11:14:35	0.054	0.071	0.041
208	2017/06/09	11:15:35	0.056	0.077	0.056
209	2017/06/09	11:16:35	0.044	0.055	0.033
210	2017/06/09	11:17:35	0.042	0.051	0.051
211	2017/06/09	11:18:35	0.051	0.062	0.042

212	2017/06/09	11:19:35	0.044	0.056	0.037
213	2017/06/09	11:20:35	0.046	0.056	0.044
214	2017/06/09	11:21:35	0.044	0.052	0.041
215	2017/06/09	11:22:35	0.046	0.072	0.035
216	2017/06/09	11:23:35	0.036	0.050	0.030
217	2017/06/09	11:24:35	0.035	0.049	0.046
218	2017/06/09	11:25:35	0.035	0.044	0.035
219	2017/06/09	11:26:35	0.031	0.054	0.027
220	2017/06/09	11:27:35	0.031	0.045	0.034
221	2017/06/09	11:28:35	0.034	0.046	0.042
222	2017/06/09	11:29:35	0.033	0.048	0.021
223	2017/06/09	11:30:35	0.034	0.049	0.027
224	2017/06/09	11:31:35	0.025	0.034	0.028
225	2017/06/09	11:32:35	0.024	0.030	0.028
226	2017/06/09	11:33:35	0.023	0.032	0.016
227	2017/06/09	11:34:35	0.024	0.037	0.025
228	2017/06/09	11:35:35	0.017	0.023	0.017
229	2017/06/09	11:36:35	0.026	0.041	0.020
230	2017/06/09	11:37:35	0.027	0.038	0.024
231	2017/06/09	11:38:35	0.029	0.039	0.021
232	2017/06/09	11:39:35	0.024	0.033	0.033
233	2017/06/09	11:40:35	0.023	0.036	0.021
234	2017/06/09	11:41:35	0.021	0.025	0.025
235	2017/06/09	11:42:35	0.033	0.056	0.020
236	2017/06/09	11:43:35	0.021	0.030	0.013
237	2017/06/09	11:44:35	0.017	0.020	0.017
238	2017/06/09	11:45:35	0.020	0.034	0.020
239	2017/06/09	11:46:35	0.024	0.032	0.025
240	2017/06/09	11:47:35	0.029	0.048	0.024
241	2017/06/09	11:48:35	0.029	0.046	0.041
242	2017/06/09	11:49:35	0.025	0.036	0.028
243	2017/06/09	11:50:35	0.021	0.028	0.024
244	2017/06/09	11:51:35	0.036	0.046	0.036
245	2017/06/09	11:52:35	0.038	0.055	0.037
246	2017/06/09	11:53:35	0.038	0.042	0.039
247	2017/06/09	11:54:35	0.034	0.042	0.030
248	2017/06/09	11:55:35	0.030	0.036	0.033
249	2017/06/09	11:56:35	0.044	0.066	0.040
250	2017/06/09	11:57:35	0.035	0.056	0.038
251	2017/06/09	11:58:35	0.038	0.056	0.042
252	2017/06/09	11:59:35	0.043	0.062	0.040
253	2017/06/09	12:00:35	0.043	0.060	0.042
254	2017/06/09	12:01:35	0.048	0.063	0.047
255	2017/06/09	12:02:35	0.043	0.056	0.056
256	2017/06/09	12:03:35	0.037	0.063	0.031
257	2017/06/09	12:04:35	0.032	0.043	0.043
258	2017/06/09	12:05:35	0.047	0.055	0.044
259	2017/06/09	12:06:35	0.025	0.044	0.007
260	2017/06/09	12:07:35	0.023	0.044	0.021
261	2017/06/09	12:08:35	0.036	0.053	0.035
262	2017/06/09	12:09:35	0.041	0.066	0.031
263	2017/06/09	12:10:35	0.025	0.048	0.048
264	2017/06/09	12:11:35	0.021	0.051	0.018
265	2017/06/09	12:12:35	0.021	0.025	0.021
266	2017/06/09	12:13:35	0.013	0.021	0.007
267	2017/06/09	12:14:35	0.002	0.009	0.000
268	2017/06/09	12:15:35	0.000	0.002	0.000
269	2017/06/09	12:16:35	0.000	0.004	0.004
270	2017/06/09	12:17:35	0.000	0.004	0.000
271	2017/06/09	12:18:35	0.000	0.000	0.000
272	2017/06/09	12:19:35	0.000	0.003	0.000
273	2017/06/09	12:20:35	0.000	0.000	0.000
274	2017/06/09	12:21:35	0.000	0.001	0.000

275	2017/06/09	12:22:35	0.000	0.000	0.000
276	2017/06/09	12:23:35	0.000	0.000	0.000
277	2017/06/09	12:24:35	0.000	0.000	0.000
278	2017/06/09	12:25:35	0.000	0.000	0.000
279	2017/06/09	12:26:35	0.000	0.000	0.000
280	2017/06/09	12:27:35	0.000	0.000	0.000
281	2017/06/09	12:28:35	0.000	0.000	0.000
282	2017/06/09	12:29:35	0.000	0.000	0.000
283	2017/06/09	12:30:35	0.000	0.000	0.000
284	2017/06/09	12:31:35	0.000	0.000	0.000
285	2017/06/09	12:32:35	0.000	0.000	0.000
286	2017/06/09	12:33:35	0.000	0.000	0.000
287	2017/06/09	12:34:35	0.000	0.000	0.000
288	2017/06/09	12:35:35	0.000	0.000	0.000
289	2017/06/09	12:36:35	0.000	0.000	0.000
290	2017/06/09	12:37:35	0.000	0.000	0.000
291	2017/06/09	12:38:35	0.000	0.000	0.000
292	2017/06/09	12:39:35	0.000	0.000	0.000
293	2017/06/09	12:40:35	0.000	0.000	0.000
294	2017/06/09	12:41:35	0.000	0.000	0.000
295	2017/06/09	12:42:35	0.000	0.000	0.000
296	2017/06/09	12:43:35	0.000	0.000	0.000
297	2017/06/09	12:44:35	0.000	0.000	0.000
298	2017/06/09	12:45:35	0.000	0.000	0.000
299	2017/06/09	12:46:35	0.000	0.000	0.000
300	2017/06/09	12:47:35	0.000	0.000	0.000
301	2017/06/09	12:48:35	0.000	0.000	0.000
302	2017/06/09	12:49:35	0.000	0.000	0.000
303	2017/06/09	12:50:35	0.000	0.000	0.000
304	2017/06/09	12:51:35	0.000	0.000	0.000
305	2017/06/09	12:52:35	0.000	0.000	0.000
306	2017/06/09	12:53:35	0.000	0.000	0.000
307	2017/06/09	12:54:35	0.000	0.000	0.000
308	2017/06/09	12:55:35	0.000	0.000	0.000
309	2017/06/09	12:56:35	0.000	0.000	0.000
310	2017/06/09	12:57:35	0.000	0.000	0.000
311	2017/06/09	12:58:35	0.000	0.000	0.000
312	2017/06/09	12:59:35	0.000	0.000	0.000
313	2017/06/09	13:00:35	0.000	0.000	0.000
314	2017/06/09	13:01:35	0.000	0.000	0.000
315	2017/06/09	13:02:35	0.000	0.000	0.000
316	2017/06/09	13:03:35	0.000	0.000	0.000
317	2017/06/09	13:04:35	0.000	0.000	0.000
318	2017/06/09	13:05:35	0.000	0.000	0.000
319	2017/06/09	13:06:35	0.000	0.000	0.000
320	2017/06/09	13:07:35	0.000	0.000	0.000
321	2017/06/09	13:08:35	0.000	0.000	0.000
322	2017/06/09	13:09:35	0.000	0.000	0.000
323	2017/06/09	13:10:35	0.000	0.000	0.000
324	2017/06/09	13:11:35	0.000	0.000	0.000
325	2017/06/09	13:12:35	0.000	0.000	0.000
326	2017/06/09	13:13:35	0.000	0.000	0.000
327	2017/06/09	13:14:35	0.000	0.000	0.000
328	2017/06/09	13:15:35	0.000	0.000	0.000
329	2017/06/09	13:16:35	0.000	0.000	0.000
330	2017/06/09	13:17:35	0.000	0.000	0.000
331	2017/06/09	13:18:35	0.000	0.000	0.000
332	2017/06/09	13:19:35	0.000	0.000	0.000
333	2017/06/09	13:20:35	0.000	0.000	0.000
334	2017/06/09	13:21:35	0.000	0.000	0.000
335	2017/06/09	13:22:35	0.000	0.000	0.000
336	2017/06/09	13:23:35	0.000	0.000	0.000
337	2017/06/09	13:24:35	0.000	0.000	0.000

338	2017/06/09 13:25:35	0.000	0.000	0.000
339	2017/06/09 13:26:35	0.000	0.000	0.000
340	2017/06/09 13:27:35	0.000	0.000	0.000
341	2017/06/09 13:28:35	0.000	0.000	0.000
342	2017/06/09 13:29:35	0.000	0.000	0.000
343	2017/06/09 13:30:35	0.000	0.000	0.000
344	2017/06/09 13:31:35	0.000	0.000	0.000
345	2017/06/09 13:32:35	0.000	0.000	0.000
346	2017/06/09 13:33:35	0.000	0.000	0.000
347	2017/06/09 13:34:35	0.000	0.000	0.000
348	2017/06/09 13:35:35	0.000	0.000	0.000
349	2017/06/09 13:36:35	0.000	0.000	0.000
350	2017/06/09 13:37:35	0.000	0.000	0.000
351	2017/06/09 13:38:35	0.000	0.000	0.000
352	2017/06/09 13:39:35	0.000	0.000	0.000
353	2017/06/09 13:40:35	0.000	0.000	0.000
354	2017/06/09 13:41:35	0.000	0.000	0.000
355	2017/06/09 13:42:35	0.000	0.000	0.000
356	2017/06/09 13:43:35	0.000	0.000	0.000
357	2017/06/09 13:44:35	0.000	0.000	0.000
358	2017/06/09 13:45:35	0.000	0.000	0.000
359	2017/06/09 13:46:35	0.000	0.000	0.000
360	2017/06/09 13:47:35	0.000	0.000	0.000
361	2017/06/09 13:48:35	0.000	0.000	0.000
362	2017/06/09 13:49:35	0.000	0.000	0.000
363	2017/06/09 13:50:35	0.000	0.000	0.000
364	2017/06/09 13:51:35	0.000	0.000	0.000
365	2017/06/09 13:52:35	0.000	0.000	0.000
366	2017/06/09 13:53:35	0.000	0.000	0.000
367	2017/06/09 13:54:35	0.000	0.000	0.000
368	2017/06/09 13:55:35	0.000	0.000	0.000
369	2017/06/09 13:56:35	0.000	0.000	0.000
370	2017/06/09 13:57:35	0.000	0.000	0.000
371	2017/06/09 13:58:35	0.000	0.000	0.000
372	2017/06/09 13:59:35	0.000	0.000	0.000
373	2017/06/09 14:00:35	0.000	0.000	0.000
374	2017/06/09 14:01:35	0.000	0.000	0.000
375	2017/06/09 14:02:35	0.000	0.000	0.000
376	2017/06/09 14:03:35	0.000	0.000	0.000
377	2017/06/09 14:04:35	0.000	0.000	0.000
378	2017/06/09 14:05:35	0.000	0.000	0.000
379	2017/06/09 14:06:35	0.000	0.000	0.000
380	2017/06/09 14:07:35	0.000	0.000	0.000
381	2017/06/09 14:08:35	0.000	0.000	0.000
382	2017/06/09 14:09:35	0.000	0.000	0.000
383	2017/06/09 14:10:35	0.000	0.000	0.000
384	2017/06/09 14:11:35	0.000	0.000	0.000
385	2017/06/09 14:12:35	0.000	0.000	0.000
386	2017/06/09 14:13:35	0.000	0.000	0.000
387	2017/06/09 14:14:35	0.000	0.000	0.000
388	2017/06/09 14:15:35	0.000	0.000	0.000
389	2017/06/09 14:16:35	0.000	0.000	0.000
390	2017/06/09 14:17:35	0.000	0.000	0.000
391	2017/06/09 14:18:35	0.000	0.000	0.000
392	2017/06/09 14:19:35	0.000	0.000	0.000
393	2017/06/09 14:20:35	0.000	0.000	0.000
394	2017/06/09 14:21:35	0.000	0.000	0.000
395	2017/06/09 14:22:35	0.000	0.000	0.000
396	2017/06/09 14:23:35	0.000	0.000	0.000
397	2017/06/09 14:24:35	0.000	0.000	0.000
398	2017/06/09 14:25:35	0.000	0.000	0.000
399	2017/06/09 14:26:35	0.000	0.000	0.000
400	2017/06/09 14:27:35	0.000	0.000	0.000

401	2017/06/09	14:28:35	0.000	0.000	0.000
402	2017/06/09	14:29:35	0.000	0.000	0.000
403	2017/06/09	14:30:35	0.000	0.000	0.000
404	2017/06/09	14:31:35	0.000	0.000	0.000
405	2017/06/09	14:32:35	0.000	0.000	0.000
406	2017/06/09	14:33:35	0.000	0.000	0.000
407	2017/06/09	14:34:35	0.000	0.000	0.000
408	2017/06/09	14:35:35	0.000	0.000	0.000
409	2017/06/09	14:36:35	0.000	0.000	0.000
410	2017/06/09	14:37:35	0.000	0.000	0.000
411	2017/06/09	14:38:35	0.000	0.000	0.000
412	2017/06/09	14:39:35	0.000	0.000	0.000
413	2017/06/09	14:40:35	0.000	0.000	0.000
414	2017/06/09	14:41:35	0.000	0.000	0.000
415	2017/06/09	14:42:35	0.000	0.000	0.000
416	2017/06/09	14:43:35	0.000	0.000	0.000
417	2017/06/09	14:44:35	0.000	0.000	0.000
418	2017/06/09	14:45:35	0.000	0.000	0.000
419	2017/06/09	14:46:35	0.000	0.000	0.000
420	2017/06/09	14:47:35	0.000	0.000	0.000
421	2017/06/09	14:48:35	0.000	0.000	0.000
422	2017/06/09	14:49:35	0.000	0.000	0.000
423	2017/06/09	14:50:35	0.000	0.000	0.000
424	2017/06/09	14:51:35	0.000	0.000	0.000
425	2017/06/09	14:52:35	0.000	0.000	0.000
426	2017/06/09	14:53:35	0.000	0.000	0.000
427	2017/06/09	14:54:35	0.000	0.000	0.000
428	2017/06/09	14:55:35	0.000	0.000	0.000
429	2017/06/09	14:56:35	0.000	0.000	0.000
430	2017/06/09	14:57:35	0.000	0.000	0.000
431	2017/06/09	14:58:35	0.000	0.000	0.000
432	2017/06/09	14:59:35	0.000	0.000	0.000
433	2017/06/09	15:00:35	0.000	0.000	0.000
434	2017/06/09	15:01:35	0.000	0.000	0.000
435	2017/06/09	15:02:35	0.000	0.000	0.000
436	2017/06/09	15:03:35	0.000	0.000	0.000
437	2017/06/09	15:04:35	0.000	0.000	0.000
438	2017/06/09	15:05:35	0.000	0.000	0.000
439	2017/06/09	15:06:35	0.000	0.000	0.000
440	2017/06/09	15:07:35	0.000	0.000	0.000
441	2017/06/09	15:08:35	0.000	0.000	0.000
442	2017/06/09	15:09:35	0.000	0.000	0.000
443	2017/06/09	15:10:35	0.000	0.000	0.000
444	2017/06/09	15:11:35	0.000	0.000	0.000
445	2017/06/09	15:12:35	0.000	0.000	0.000
446	2017/06/09	15:13:35	0.000	0.000	0.000
447	2017/06/09	15:14:35	0.000	0.000	0.000
448	2017/06/09	15:15:35	0.000	0.000	0.000
449	2017/06/09	15:16:35	0.000	0.000	0.000
450	2017/06/09	15:17:35	0.000	0.000	0.000
451	2017/06/09	15:18:35	0.000	0.000	0.000
452	2017/06/09	15:19:35	0.000	0.000	0.000
453	2017/06/09	15:20:35	0.000	0.000	0.000
454	2017/06/09	15:21:35	0.000	0.000	0.000
455	2017/06/09	15:22:35	0.000	0.000	0.000
456	2017/06/09	15:23:35	0.000	0.000	0.000
457	2017/06/09	15:24:35	0.000	0.000	0.000
458	2017/06/09	15:25:35	0.000	0.000	0.000
459	2017/06/09	15:26:35	0.000	0.000	0.000
460	2017/06/09	15:27:35	0.000	0.000	0.000
461	2017/06/09	15:28:35	0.000	0.000	0.000
462	2017/06/09	15:29:35	0.000	0.000	0.000
463	2017/06/09	15:30:35	0.000	0.000	0.000

464	2017/06/09 15:31:35	0.000	0.000	0.000
465	2017/06/09 15:32:35	0.000	0.000	0.000
466	2017/06/09 15:33:35	0.000	0.000	0.000
467	2017/06/09 15:34:35	0.000	0.000	0.000
468	2017/06/09 15:35:35	0.000	0.000	0.000
469	2017/06/09 15:36:35	0.000	0.000	0.000
470	2017/06/09 15:37:35	0.000	0.000	0.000
471	2017/06/09 15:38:35	0.000	0.000	0.000
472	2017/06/09 15:39:35	0.000	0.000	0.000
473	2017/06/09 15:40:35	0.000	0.000	0.000
474	2017/06/09 15:41:35	0.000	0.000	0.000
475	2017/06/09 15:42:35	0.000	0.000	0.000
476	2017/06/09 15:43:35	0.000	0.000	0.000
477	2017/06/09 15:44:35	0.000	0.000	0.000
478	2017/06/09 15:45:35	0.000	0.000	0.000
479	2017/06/09 15:46:35	0.000	0.000	0.000
480	2017/06/09 15:47:35	0.000	0.000	0.000
481	2017/06/09 15:48:35	0.000	0.000	0.000
482	2017/06/09 15:49:35	0.000	0.000	0.000
483	2017/06/09 15:50:35	0.000	0.000	0.000
484	2017/06/09 15:51:35	0.000	0.000	0.000
485	2017/06/09 15:52:35	0.000	0.000	0.000
486	2017/06/09 15:53:35	0.000	0.000	0.000
487	2017/06/09 15:54:35	0.000	0.000	0.000
488	2017/06/09 15:55:35	0.000	0.000	0.000
489	2017/06/09 15:56:35	0.000	0.000	0.000
490	2017/06/09 15:57:35	0.000	0.000	0.000
491	2017/06/09 15:58:35	0.000	0.000	0.000
492	2017/06/09 15:59:35	0.000	0.000	0.000
493	2017/06/09 16:00:35	0.000	0.000	0.000
494	2017/06/09 16:01:35	0.000	0.000	0.000
495	2017/06/09 16:02:35	0.000	0.000	0.000
496	2017/06/09 16:03:35	0.000	0.000	0.000
497	2017/06/09 16:04:35	0.000	0.000	0.000
498	2017/06/09 16:05:35	0.000	0.000	0.000
499	2017/06/09 16:06:35	0.000	0.000	0.000
500	2017/06/09 16:07:35	0.000	0.000	0.000
501	2017/06/09 16:08:35	0.000	0.000	0.000
502	2017/06/09 16:09:35	0.000	0.000	0.000
503	2017/06/09 16:10:35	0.000	0.000	0.000
504	2017/06/09 16:11:35	0.000	0.000	0.000
505	2017/06/09 16:12:35	0.000	0.000	0.000
506	2017/06/09 16:13:35	0.000	0.000	0.000
507	2017/06/09 16:14:35	0.000	0.000	0.000
508	2017/06/09 16:15:35	0.000	0.000	0.000
509	2017/06/09 16:16:35	0.000	0.000	0.000
510	2017/06/09 16:17:35	0.000	0.000	0.000
Peak		0.183	0.287	0.182
Min		0.000	0.000	0.000
Average		0.042	0.050	0.042

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2017/06/09 07:48:35	0.000	---
002	2017/06/09 07:49:35	0.000	---
003	2017/06/09 07:50:35	0.000	---
004	2017/06/09 07:51:35	0.000	---
005	2017/06/09 07:52:35	0.001	---
006	2017/06/09 07:53:35	0.001	---
007	2017/06/09 07:54:35	0.001	---
008	2017/06/09 07:55:35	0.001	---
009	2017/06/09 07:56:35	0.002	---

010	2017/06/09	07:57:35	0.002	---
011	2017/06/09	07:58:35	0.002	---
012	2017/06/09	07:59:35	0.003	---
013	2017/06/09	08:00:35	0.003	---
014	2017/06/09	08:01:35	0.003	---
015	2017/06/09	08:02:35	0.004	0.116
016	2017/06/09	08:03:35	0.004	0.122
017	2017/06/09	08:04:35	0.004	0.128
018	2017/06/09	08:05:35	0.004	0.133
019	2017/06/09	08:06:35	0.005	0.137
020	2017/06/09	08:07:35	0.005	0.142
021	2017/06/09	08:08:35	0.005	0.146
022	2017/06/09	08:09:35	0.006	0.144
023	2017/06/09	08:10:35	0.006	0.143
024	2017/06/09	08:11:35	0.006	0.140
025	2017/06/09	08:12:35	0.006	0.137
026	2017/06/09	08:13:35	0.007	0.136
027	2017/06/09	08:14:35	0.007	0.134
028	2017/06/09	08:15:35	0.007	0.132
029	2017/06/09	08:16:35	0.007	0.129
030	2017/06/09	08:17:35	0.008	0.129
031	2017/06/09	08:18:35	0.008	0.129
032	2017/06/09	08:19:35	0.008	0.129
033	2017/06/09	08:20:35	0.008	0.130
034	2017/06/09	08:21:35	0.009	0.131
035	2017/06/09	08:22:35	0.009	0.132
036	2017/06/09	08:23:35	0.009	0.132
037	2017/06/09	08:24:35	0.010	0.132
038	2017/06/09	08:25:35	0.010	0.132
039	2017/06/09	08:26:35	0.010	0.132
040	2017/06/09	08:27:35	0.011	0.136
041	2017/06/09	08:28:35	0.011	0.137
042	2017/06/09	08:29:35	0.011	0.137
043	2017/06/09	08:30:35	0.011	0.139
044	2017/06/09	08:31:35	0.012	0.140
045	2017/06/09	08:32:35	0.012	0.141
046	2017/06/09	08:33:35	0.012	0.141
047	2017/06/09	08:34:35	0.013	0.142
048	2017/06/09	08:35:35	0.013	0.141
049	2017/06/09	08:36:35	0.013	0.143
050	2017/06/09	08:37:35	0.014	0.143
051	2017/06/09	08:38:35	0.014	0.144
052	2017/06/09	08:39:35	0.014	0.144
053	2017/06/09	08:40:35	0.014	0.145
054	2017/06/09	08:41:35	0.015	0.146
055	2017/06/09	08:42:35	0.015	0.144
056	2017/06/09	08:43:35	0.015	0.144
057	2017/06/09	08:44:35	0.016	0.147
058	2017/06/09	08:45:35	0.016	0.147
059	2017/06/09	08:46:35	0.016	0.148
060	2017/06/09	08:47:35	0.017	0.150
061	2017/06/09	08:48:35	0.017	0.151
062	2017/06/09	08:49:35	0.017	0.153
063	2017/06/09	08:50:35	0.018	0.154
064	2017/06/09	08:51:35	0.018	0.152
065	2017/06/09	08:52:35	0.018	0.154
066	2017/06/09	08:53:35	0.019	0.153
067	2017/06/09	08:54:35	0.019	0.154
068	2017/06/09	08:55:35	0.019	0.154
069	2017/06/09	08:56:35	0.020	0.153
070	2017/06/09	08:57:35	0.020	0.152
071	2017/06/09	08:58:35	0.020	0.152
072	2017/06/09	08:59:35	0.020	0.150

073	2017/06/09	09:00:35	0.021	0.149
074	2017/06/09	09:01:35	0.021	0.148
075	2017/06/09	09:02:35	0.021	0.147
076	2017/06/09	09:03:35	0.022	0.146
077	2017/06/09	09:04:35	0.022	0.143
078	2017/06/09	09:05:35	0.022	0.142
079	2017/06/09	09:06:35	0.022	0.141
080	2017/06/09	09:07:35	0.023	0.138
081	2017/06/09	09:08:35	0.023	0.137
082	2017/06/09	09:09:35	0.023	0.135
083	2017/06/09	09:10:35	0.023	0.135
084	2017/06/09	09:11:35	0.024	0.134
085	2017/06/09	09:12:35	0.024	0.132
086	2017/06/09	09:13:35	0.024	0.131
087	2017/06/09	09:14:35	0.025	0.131
088	2017/06/09	09:15:35	0.025	0.132
089	2017/06/09	09:16:35	0.025	0.132
090	2017/06/09	09:17:35	0.025	0.131
091	2017/06/09	09:18:35	0.026	0.131
092	2017/06/09	09:19:35	0.026	0.131
093	2017/06/09	09:20:35	0.026	0.131
094	2017/06/09	09:21:35	0.026	0.130
095	2017/06/09	09:22:35	0.027	0.129
096	2017/06/09	09:23:35	0.027	0.128
097	2017/06/09	09:24:35	0.027	0.127
098	2017/06/09	09:25:35	0.027	0.128
099	2017/06/09	09:26:35	0.028	0.127
100	2017/06/09	09:27:35	0.028	0.125
101	2017/06/09	09:28:35	0.028	0.123
102	2017/06/09	09:29:35	0.028	0.121
103	2017/06/09	09:30:35	0.029	0.118
104	2017/06/09	09:31:35	0.029	0.114
105	2017/06/09	09:32:35	0.029	0.112
106	2017/06/09	09:33:35	0.029	0.109
107	2017/06/09	09:34:35	0.029	0.107
108	2017/06/09	09:35:35	0.030	0.105
109	2017/06/09	09:36:35	0.030	0.103
110	2017/06/09	09:37:35	0.030	0.102
111	2017/06/09	09:38:35	0.030	0.099
112	2017/06/09	09:39:35	0.030	0.098
113	2017/06/09	09:40:35	0.030	0.094
114	2017/06/09	09:41:35	0.031	0.093
115	2017/06/09	09:42:35	0.031	0.093
116	2017/06/09	09:43:35	0.031	0.091
117	2017/06/09	09:44:35	0.031	0.090
118	2017/06/09	09:45:35	0.031	0.089
119	2017/06/09	09:46:35	0.031	0.089
120	2017/06/09	09:47:35	0.032	0.088
121	2017/06/09	09:48:35	0.032	0.087
122	2017/06/09	09:49:35	0.032	0.087
123	2017/06/09	09:50:35	0.032	0.085
124	2017/06/09	09:51:35	0.032	0.084
125	2017/06/09	09:52:35	0.032	0.083
126	2017/06/09	09:53:35	0.033	0.081
127	2017/06/09	09:54:35	0.033	0.080
128	2017/06/09	09:55:35	0.033	0.078
129	2017/06/09	09:56:35	0.033	0.076
130	2017/06/09	09:57:35	0.033	0.075
131	2017/06/09	09:58:35	0.033	0.073
132	2017/06/09	09:59:35	0.033	0.072
133	2017/06/09	10:00:35	0.034	0.071
134	2017/06/09	10:01:35	0.034	0.068
135	2017/06/09	10:02:35	0.034	0.067

136	2017/06/09 10:03:35	0.034	0.065
137	2017/06/09 10:04:35	0.034	0.063
138	2017/06/09 10:05:35	0.034	0.062
139	2017/06/09 10:06:35	0.034	0.060
140	2017/06/09 10:07:35	0.034	0.059
141	2017/06/09 10:08:35	0.034	0.059
142	2017/06/09 10:09:35	0.035	0.058
143	2017/06/09 10:10:35	0.035	0.058
144	2017/06/09 10:11:35	0.035	0.058
145	2017/06/09 10:12:35	0.035	0.057
146	2017/06/09 10:13:35	0.035	0.057
147	2017/06/09 10:14:35	0.035	0.056
148	2017/06/09 10:15:35	0.035	0.054
149	2017/06/09 10:16:35	0.035	0.054
150	2017/06/09 10:17:35	0.035	0.054
151	2017/06/09 10:18:35	0.036	0.053
152	2017/06/09 10:19:35	0.036	0.052
153	2017/06/09 10:20:35	0.036	0.052
154	2017/06/09 10:21:35	0.036	0.052
155	2017/06/09 10:22:35	0.036	0.052
156	2017/06/09 10:23:35	0.036	0.051
157	2017/06/09 10:24:35	0.036	0.051
158	2017/06/09 10:25:35	0.036	0.051
159	2017/06/09 10:26:35	0.036	0.050
160	2017/06/09 10:27:35	0.036	0.049
161	2017/06/09 10:28:35	0.037	0.048
162	2017/06/09 10:29:35	0.037	0.049
163	2017/06/09 10:30:35	0.037	0.050
164	2017/06/09 10:31:35	0.037	0.049
165	2017/06/09 10:32:35	0.037	0.049
166	2017/06/09 10:33:35	0.037	0.050
167	2017/06/09 10:34:35	0.037	0.050
168	2017/06/09 10:35:35	0.037	0.051
169	2017/06/09 10:36:35	0.037	0.052
170	2017/06/09 10:37:35	0.038	0.053
171	2017/06/09 10:38:35	0.038	0.054
172	2017/06/09 10:39:35	0.038	0.054
173	2017/06/09 10:40:35	0.038	0.053
174	2017/06/09 10:41:35	0.038	0.054
175	2017/06/09 10:42:35	0.038	0.055
176	2017/06/09 10:43:35	0.038	0.054
177	2017/06/09 10:44:35	0.038	0.053
178	2017/06/09 10:45:35	0.038	0.053
179	2017/06/09 10:46:35	0.038	0.053
180	2017/06/09 10:47:35	0.039	0.052
181	2017/06/09 10:48:35	0.039	0.050
182	2017/06/09 10:49:35	0.039	0.049
183	2017/06/09 10:50:35	0.039	0.047
184	2017/06/09 10:51:35	0.039	0.044
185	2017/06/09 10:52:35	0.039	0.043
186	2017/06/09 10:53:35	0.039	0.042
187	2017/06/09 10:54:35	0.039	0.041
188	2017/06/09 10:55:35	0.039	0.040
189	2017/06/09 10:56:35	0.039	0.040
190	2017/06/09 10:57:35	0.039	0.040
191	2017/06/09 10:58:35	0.039	0.039
192	2017/06/09 10:59:35	0.040	0.039
193	2017/06/09 11:00:35	0.040	0.039
194	2017/06/09 11:01:35	0.040	0.039
195	2017/06/09 11:02:35	0.040	0.040
196	2017/06/09 11:03:35	0.040	0.041
197	2017/06/09 11:04:35	0.040	0.041
198	2017/06/09 11:05:35	0.040	0.042

199	2017/06/09	11:06:35	0.040	0.043
200	2017/06/09	11:07:35	0.040	0.042
201	2017/06/09	11:08:35	0.040	0.042
202	2017/06/09	11:09:35	0.040	0.043
203	2017/06/09	11:10:35	0.041	0.043
204	2017/06/09	11:11:35	0.041	0.043
205	2017/06/09	11:12:35	0.041	0.042
206	2017/06/09	11:13:35	0.041	0.043
207	2017/06/09	11:14:35	0.041	0.044
208	2017/06/09	11:15:35	0.041	0.044
209	2017/06/09	11:16:35	0.041	0.044
210	2017/06/09	11:17:35	0.041	0.044
211	2017/06/09	11:18:35	0.041	0.043
212	2017/06/09	11:19:35	0.041	0.043
213	2017/06/09	11:20:35	0.041	0.043
214	2017/06/09	11:21:35	0.042	0.043
215	2017/06/09	11:22:35	0.042	0.043
216	2017/06/09	11:23:35	0.042	0.042
217	2017/06/09	11:24:35	0.042	0.042
218	2017/06/09	11:25:35	0.042	0.041
219	2017/06/09	11:26:35	0.042	0.040
220	2017/06/09	11:27:35	0.042	0.040
221	2017/06/09	11:28:35	0.042	0.040
222	2017/06/09	11:29:35	0.042	0.038
223	2017/06/09	11:30:35	0.042	0.036
224	2017/06/09	11:31:35	0.042	0.036
225	2017/06/09	11:32:35	0.042	0.034
226	2017/06/09	11:33:35	0.042	0.033
227	2017/06/09	11:34:35	0.042	0.032
228	2017/06/09	11:35:35	0.042	0.030
229	2017/06/09	11:36:35	0.042	0.029
230	2017/06/09	11:37:35	0.042	0.028
231	2017/06/09	11:38:35	0.042	0.027
232	2017/06/09	11:39:35	0.043	0.027
233	2017/06/09	11:40:35	0.043	0.026
234	2017/06/09	11:41:35	0.043	0.025
235	2017/06/09	11:42:35	0.043	0.025
236	2017/06/09	11:43:35	0.043	0.023
237	2017/06/09	11:44:35	0.043	0.022
238	2017/06/09	11:45:35	0.043	0.022
239	2017/06/09	11:46:35	0.043	0.022
240	2017/06/09	11:47:35	0.043	0.021
241	2017/06/09	11:48:35	0.043	0.023
242	2017/06/09	11:49:35	0.043	0.023
243	2017/06/09	11:50:35	0.043	0.024
244	2017/06/09	11:51:35	0.043	0.025
245	2017/06/09	11:52:35	0.043	0.026
246	2017/06/09	11:53:35	0.043	0.027
247	2017/06/09	11:54:35	0.043	0.027
248	2017/06/09	11:55:35	0.043	0.027
249	2017/06/09	11:56:35	0.044	0.028
250	2017/06/09	11:57:35	0.044	0.030
251	2017/06/09	11:58:35	0.044	0.032
252	2017/06/09	11:59:35	0.044	0.033
253	2017/06/09	12:00:35	0.044	0.035
254	2017/06/09	12:01:35	0.044	0.036
255	2017/06/09	12:02:35	0.044	0.038
256	2017/06/09	12:03:35	0.044	0.038
257	2017/06/09	12:04:35	0.044	0.039
258	2017/06/09	12:05:35	0.044	0.040
259	2017/06/09	12:06:35	0.044	0.038
260	2017/06/09	12:07:35	0.044	0.037
261	2017/06/09	12:08:35	0.044	0.037

262	2017/06/09 12:09:35	0.045	0.037
263	2017/06/09 12:10:35	0.045	0.038
264	2017/06/09 12:11:35	0.045	0.036
265	2017/06/09 12:12:35	0.045	0.035
266	2017/06/09 12:13:35	0.045	0.033
267	2017/06/09 12:14:35	0.045	0.030
268	2017/06/09 12:15:35	0.045	0.027
269	2017/06/09 12:16:35	0.045	0.024
270	2017/06/09 12:17:35	0.045	0.021
271	2017/06/09 12:18:35	0.045	0.019
272	2017/06/09 12:19:35	0.045	0.016
273	2017/06/09 12:20:35	0.045	0.013
274	2017/06/09 12:21:35	0.045	0.012
275	2017/06/09 12:22:35	0.045	0.011
276	2017/06/09 12:23:35	0.045	0.009
277	2017/06/09 12:24:35	0.045	0.007
278	2017/06/09 12:25:35	0.045	0.003
279	2017/06/09 12:26:35	0.045	0.002
280	2017/06/09 12:27:35	0.045	0.001
281	2017/06/09 12:28:35	0.045	0.000
282	2017/06/09 12:29:35	0.045	0.000
283	2017/06/09 12:30:35	0.045	0.000
284	2017/06/09 12:31:35	0.045	0.000
285	2017/06/09 12:32:35	0.045	0.000
286	2017/06/09 12:33:35	0.045	0.000
287	2017/06/09 12:34:35	0.045	0.000
288	2017/06/09 12:35:35	0.045	0.000
289	2017/06/09 12:36:35	0.045	0.000
290	2017/06/09 12:37:35	0.045	0.000
291	2017/06/09 12:38:35	0.045	0.000
292	2017/06/09 12:39:35	0.045	0.000
293	2017/06/09 12:40:35	0.045	0.000
294	2017/06/09 12:41:35	0.045	0.000
295	2017/06/09 12:42:35	0.045	0.000
296	2017/06/09 12:43:35	0.045	0.000
297	2017/06/09 12:44:35	0.045	0.000
298	2017/06/09 12:45:35	0.045	0.000
299	2017/06/09 12:46:35	0.045	0.000
300	2017/06/09 12:47:35	0.045	0.000
301	2017/06/09 12:48:35	0.045	0.000
302	2017/06/09 12:49:35	0.045	0.000
303	2017/06/09 12:50:35	0.045	0.000
304	2017/06/09 12:51:35	0.045	0.000
305	2017/06/09 12:52:35	0.045	0.000
306	2017/06/09 12:53:35	0.045	0.000
307	2017/06/09 12:54:35	0.045	0.000
308	2017/06/09 12:55:35	0.045	0.000
309	2017/06/09 12:56:35	0.045	0.000
310	2017/06/09 12:57:35	0.045	0.000
311	2017/06/09 12:58:35	0.045	0.000
312	2017/06/09 12:59:35	0.045	0.000
313	2017/06/09 13:00:35	0.045	0.000
314	2017/06/09 13:01:35	0.045	0.000
315	2017/06/09 13:02:35	0.045	0.000
316	2017/06/09 13:03:35	0.045	0.000
317	2017/06/09 13:04:35	0.045	0.000
318	2017/06/09 13:05:35	0.045	0.000
319	2017/06/09 13:06:35	0.045	0.000
320	2017/06/09 13:07:35	0.045	0.000
321	2017/06/09 13:08:35	0.045	0.000
322	2017/06/09 13:09:35	0.045	0.000
323	2017/06/09 13:10:35	0.045	0.000
324	2017/06/09 13:11:35	0.045	0.000

325	2017/06/09	13:12:35	0.045 0.000
326	2017/06/09	13:13:35	0.045 0.000
327	2017/06/09	13:14:35	0.045 0.000
328	2017/06/09	13:15:35	0.045 0.000
329	2017/06/09	13:16:35	0.045 0.000
330	2017/06/09	13:17:35	0.045 0.000
331	2017/06/09	13:18:35	0.045 0.000
332	2017/06/09	13:19:35	0.045 0.000
333	2017/06/09	13:20:35	0.045 0.000
334	2017/06/09	13:21:35	0.045 0.000
335	2017/06/09	13:22:35	0.045 0.000
336	2017/06/09	13:23:35	0.045 0.000
337	2017/06/09	13:24:35	0.045 0.000
338	2017/06/09	13:25:35	0.045 0.000
339	2017/06/09	13:26:35	0.045 0.000
340	2017/06/09	13:27:35	0.045 0.000
341	2017/06/09	13:28:35	0.045 0.000
342	2017/06/09	13:29:35	0.045 0.000
343	2017/06/09	13:30:35	0.045 0.000
344	2017/06/09	13:31:35	0.045 0.000
345	2017/06/09	13:32:35	0.045 0.000
346	2017/06/09	13:33:35	0.045 0.000
347	2017/06/09	13:34:35	0.045 0.000
348	2017/06/09	13:35:35	0.045 0.000
349	2017/06/09	13:36:35	0.045 0.000
350	2017/06/09	13:37:35	0.045 0.000
351	2017/06/09	13:38:35	0.045 0.000
352	2017/06/09	13:39:35	0.045 0.000
353	2017/06/09	13:40:35	0.045 0.000
354	2017/06/09	13:41:35	0.045 0.000
355	2017/06/09	13:42:35	0.045 0.000
356	2017/06/09	13:43:35	0.045 0.000
357	2017/06/09	13:44:35	0.045 0.000
358	2017/06/09	13:45:35	0.045 0.000
359	2017/06/09	13:46:35	0.045 0.000
360	2017/06/09	13:47:35	0.045 0.000
361	2017/06/09	13:48:35	0.045 0.000
362	2017/06/09	13:49:35	0.045 0.000
363	2017/06/09	13:50:35	0.045 0.000
364	2017/06/09	13:51:35	0.045 0.000
365	2017/06/09	13:52:35	0.045 0.000
366	2017/06/09	13:53:35	0.045 0.000
367	2017/06/09	13:54:35	0.045 0.000
368	2017/06/09	13:55:35	0.045 0.000
369	2017/06/09	13:56:35	0.045 0.000
370	2017/06/09	13:57:35	0.045 0.000
371	2017/06/09	13:58:35	0.045 0.000
372	2017/06/09	13:59:35	0.045 0.000
373	2017/06/09	14:00:35	0.045 0.000
374	2017/06/09	14:01:35	0.045 0.000
375	2017/06/09	14:02:35	0.045 0.000
376	2017/06/09	14:03:35	0.045 0.000
377	2017/06/09	14:04:35	0.045 0.000
378	2017/06/09	14:05:35	0.045 0.000
379	2017/06/09	14:06:35	0.045 0.000
380	2017/06/09	14:07:35	0.045 0.000
381	2017/06/09	14:08:35	0.045 0.000
382	2017/06/09	14:09:35	0.045 0.000
383	2017/06/09	14:10:35	0.045 0.000
384	2017/06/09	14:11:35	0.045 0.000
385	2017/06/09	14:12:35	0.045 0.000
386	2017/06/09	14:13:35	0.045 0.000
387	2017/06/09	14:14:35	0.045 0.000

388	2017/06/09	14:15:35	0.045 0.000
389	2017/06/09	14:16:35	0.045 0.000
390	2017/06/09	14:17:35	0.045 0.000
391	2017/06/09	14:18:35	0.045 0.000
392	2017/06/09	14:19:35	0.045 0.000
393	2017/06/09	14:20:35	0.045 0.000
394	2017/06/09	14:21:35	0.045 0.000
395	2017/06/09	14:22:35	0.045 0.000
396	2017/06/09	14:23:35	0.045 0.000
397	2017/06/09	14:24:35	0.045 0.000
398	2017/06/09	14:25:35	0.045 0.000
399	2017/06/09	14:26:35	0.045 0.000
400	2017/06/09	14:27:35	0.045 0.000
401	2017/06/09	14:28:35	0.045 0.000
402	2017/06/09	14:29:35	0.045 0.000
403	2017/06/09	14:30:35	0.045 0.000
404	2017/06/09	14:31:35	0.045 0.000
405	2017/06/09	14:32:35	0.045 0.000
406	2017/06/09	14:33:35	0.045 0.000
407	2017/06/09	14:34:35	0.045 0.000
408	2017/06/09	14:35:35	0.045 0.000
409	2017/06/09	14:36:35	0.045 0.000
410	2017/06/09	14:37:35	0.045 0.000
411	2017/06/09	14:38:35	0.045 0.000
412	2017/06/09	14:39:35	0.045 0.000
413	2017/06/09	14:40:35	0.045 0.000
414	2017/06/09	14:41:35	0.045 0.000
415	2017/06/09	14:42:35	0.045 0.000
416	2017/06/09	14:43:35	0.045 0.000
417	2017/06/09	14:44:35	0.045 0.000
418	2017/06/09	14:45:35	0.045 0.000
419	2017/06/09	14:46:35	0.045 0.000
420	2017/06/09	14:47:35	0.045 0.000
421	2017/06/09	14:48:35	0.045 0.000
422	2017/06/09	14:49:35	0.045 0.000
423	2017/06/09	14:50:35	0.045 0.000
424	2017/06/09	14:51:35	0.045 0.000
425	2017/06/09	14:52:35	0.045 0.000
426	2017/06/09	14:53:35	0.045 0.000
427	2017/06/09	14:54:35	0.045 0.000
428	2017/06/09	14:55:35	0.045 0.000
429	2017/06/09	14:56:35	0.045 0.000
430	2017/06/09	14:57:35	0.045 0.000
431	2017/06/09	14:58:35	0.045 0.000
432	2017/06/09	14:59:35	0.045 0.000
433	2017/06/09	15:00:35	0.045 0.000
434	2017/06/09	15:01:35	0.045 0.000
435	2017/06/09	15:02:35	0.045 0.000
436	2017/06/09	15:03:35	0.045 0.000
437	2017/06/09	15:04:35	0.045 0.000
438	2017/06/09	15:05:35	0.045 0.000
439	2017/06/09	15:06:35	0.045 0.000
440	2017/06/09	15:07:35	0.045 0.000
441	2017/06/09	15:08:35	0.045 0.000
442	2017/06/09	15:09:35	0.045 0.000
443	2017/06/09	15:10:35	0.045 0.000
444	2017/06/09	15:11:35	0.045 0.000
445	2017/06/09	15:12:35	0.045 0.000
446	2017/06/09	15:13:35	0.045 0.000
447	2017/06/09	15:14:35	0.045 0.000
448	2017/06/09	15:15:35	0.045 0.000
449	2017/06/09	15:16:35	0.045 0.000
450	2017/06/09	15:17:35	0.045 0.000

451	2017/06/09 15:18:35	0.045	0.000
452	2017/06/09 15:19:35	0.045	0.000
453	2017/06/09 15:20:35	0.045	0.000
454	2017/06/09 15:21:35	0.045	0.000
455	2017/06/09 15:22:35	0.045	0.000
456	2017/06/09 15:23:35	0.045	0.000
457	2017/06/09 15:24:35	0.045	0.000
458	2017/06/09 15:25:35	0.045	0.000
459	2017/06/09 15:26:35	0.045	0.000
460	2017/06/09 15:27:35	0.045	0.000
461	2017/06/09 15:28:35	0.045	0.000
462	2017/06/09 15:29:35	0.045	0.000
463	2017/06/09 15:30:35	0.045	0.000
464	2017/06/09 15:31:35	0.045	0.000
465	2017/06/09 15:32:35	0.045	0.000
466	2017/06/09 15:33:35	0.045	0.000
467	2017/06/09 15:34:35	0.045	0.000
468	2017/06/09 15:35:35	0.045	0.000
469	2017/06/09 15:36:35	0.045	0.000
470	2017/06/09 15:37:35	0.045	0.000
471	2017/06/09 15:38:35	0.045	0.000
472	2017/06/09 15:39:35	0.045	0.000
473	2017/06/09 15:40:35	0.045	0.000
474	2017/06/09 15:41:35	0.045	0.000
475	2017/06/09 15:42:35	0.045	0.000
476	2017/06/09 15:43:35	0.045	0.000
477	2017/06/09 15:44:35	0.045	0.000
478	2017/06/09 15:45:35	0.045	0.000
479	2017/06/09 15:46:35	0.045	0.000
480	2017/06/09 15:47:35	0.045	0.000
481	2017/06/09 15:48:35	0.045	0.000
482	2017/06/09 15:49:35	0.045	0.000
483	2017/06/09 15:50:35	0.045	0.000
484	2017/06/09 15:51:35	0.045	0.000
485	2017/06/09 15:52:35	0.045	0.000
486	2017/06/09 15:53:35	0.045	0.000
487	2017/06/09 15:54:35	0.045	0.000
488	2017/06/09 15:55:35	0.045	0.000
489	2017/06/09 15:56:35	0.045	0.000
490	2017/06/09 15:57:35	0.045	0.000
491	2017/06/09 15:58:35	0.045	0.000
492	2017/06/09 15:59:35	0.045	0.000
493	2017/06/09 16:00:35	0.045	0.000
494	2017/06/09 16:01:35	0.045	0.000
495	2017/06/09 16:02:35	0.045	0.000
496	2017/06/09 16:03:35	0.045	0.000
497	2017/06/09 16:04:35	0.045	0.000
498	2017/06/09 16:05:35	0.045	0.000
499	2017/06/09 16:06:35	0.045	0.000
500	2017/06/09 16:07:35	0.045	0.000
501	2017/06/09 16:08:35	0.045	0.000
502	2017/06/09 16:09:35	0.045	0.000
503	2017/06/09 16:10:35	0.045	0.000
504	2017/06/09 16:11:35	0.045	0.000
505	2017/06/09 16:12:35	0.045	0.000
506	2017/06/09 16:13:35	0.045	0.000
507	2017/06/09 16:14:35	0.045	0.000
508	2017/06/09 16:15:35	0.045	0.000
509	2017/06/09 16:16:35	0.045	0.000
510	2017/06/09 16:17:35	0.045	0.000

17/06/12 09:35

Summary

Unit Name	MiniRAE 3000
Unit SN	592-915936
Unit Firmware Ver	V1.20B
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2017/06/12 09:35:39
End	2017/06/12 14:39:25
Sample Period(s)	60
Number of Records	303
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	5.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10000.000
Measurement Gas	Isobutylene
Calibration Time	2017/06/09 07:47
Peak	1.339
Min	0.000
Average	0.278

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2017/06/12 09:36:39	0.292	0.381	0.306
002	2017/06/12 09:37:39	0.402	0.497	0.497
003	2017/06/12 09:38:39	0.593	0.665	0.662
004	2017/06/12 09:39:39	0.741	0.820	0.820
005	2017/06/12 09:40:39	0.890	0.952	0.952
006	2017/06/12 09:41:39	0.985	1.049	0.890
007	2017/06/12 09:42:39	1.052	1.223	1.181
008	2017/06/12 09:43:39	1.218	1.377	1.301
009	2017/06/12 09:44:39	1.267	1.299	1.273
010	2017/06/12 09:45:39	1.278	1.287	1.286
011	2017/06/12 09:46:39	1.325	1.417	1.297
012	2017/06/12 09:47:39	1.328	1.403	1.318
013	2017/06/12 09:48:39	1.311	1.365	1.339
014	2017/06/12 09:49:39	1.298	1.373	1.236
015	2017/06/12 09:50:39	1.221	1.278	1.197
016	2017/06/12 09:51:39	1.249	1.372	1.303
017	2017/06/12 09:52:39	1.248	1.290	1.238
018	2017/06/12 09:53:39	1.227	1.322	1.180
019	2017/06/12 09:54:39	1.229	1.325	1.173
020	2017/06/12 09:55:39	1.205	1.309	1.192
021	2017/06/12 09:56:39	1.189	1.255	1.210
022	2017/06/12 09:57:39	1.225	1.341	1.221

023	2017/06/12	09:58:39	1.213	1.279	1.231
024	2017/06/12	09:59:39	1.209	1.305	1.135
025	2017/06/12	10:00:39	1.126	1.155	1.113
026	2017/06/12	10:01:39	1.129	1.167	1.115
027	2017/06/12	10:02:39	1.123	1.192	1.112
028	2017/06/12	10:03:39	1.131	1.163	1.106
029	2017/06/12	10:04:39	1.078	1.106	1.056
030	2017/06/12	10:05:39	1.046	1.110	1.087
031	2017/06/12	10:06:39	1.072	1.164	1.027
032	2017/06/12	10:07:39	1.029	1.054	1.042
033	2017/06/12	10:08:39	1.027	1.078	1.013
034	2017/06/12	10:09:39	1.025	1.087	1.030
035	2017/06/12	10:10:39	1.040	1.100	1.028
036	2017/06/12	10:11:39	1.053	1.104	1.036
037	2017/06/12	10:12:39	1.023	1.058	1.008
038	2017/06/12	10:13:39	1.078	1.196	1.112
039	2017/06/12	10:14:39	1.007	1.102	0.969
040	2017/06/12	10:15:39	1.001	1.084	0.971
041	2017/06/12	10:16:39	1.020	1.135	0.972
042	2017/06/12	10:17:39	1.043	1.141	1.018
043	2017/06/12	10:18:39	1.001	1.084	0.971
044	2017/06/12	10:19:39	1.006	1.095	0.968
045	2017/06/12	10:20:39	1.017	1.123	1.031
046	2017/06/12	10:21:39	0.981	1.032	0.956
047	2017/06/12	10:22:39	0.947	0.973	0.941
048	2017/06/12	10:23:39	0.940	0.962	0.940
049	2017/06/12	10:24:39	0.928	0.965	0.936
050	2017/06/12	10:25:39	0.920	0.994	0.888
051	2017/06/12	10:26:39	0.875	0.890	0.871
052	2017/06/12	10:27:39	0.877	0.922	0.922
053	2017/06/12	10:28:39	0.891	0.954	0.856
054	2017/06/12	10:29:39	0.865	0.927	0.799
055	2017/06/12	10:30:39	0.828	0.901	0.791
056	2017/06/12	10:31:39	0.825	0.884	0.797
057	2017/06/12	10:32:39	0.804	0.904	0.752
058	2017/06/12	10:33:39	0.760	0.797	0.770
059	2017/06/12	10:34:39	0.756	0.815	0.753
060	2017/06/12	10:35:39	0.742	0.763	0.742
061	2017/06/12	10:36:39	0.744	0.787	0.768
062	2017/06/12	10:37:39	0.737	0.795	0.751
063	2017/06/12	10:38:39	0.729	0.778	0.715
064	2017/06/12	10:39:39	0.733	0.801	0.724
065	2017/06/12	10:40:39	0.694	0.722	0.674
066	2017/06/12	10:41:39	0.680	0.734	0.697
067	2017/06/12	10:42:39	0.707	0.759	0.675
068	2017/06/12	10:43:39	0.675	0.722	0.640
069	2017/06/12	10:44:39	0.670	0.719	0.677
070	2017/06/12	10:45:39	0.664	0.699	0.652
071	2017/06/12	10:46:39	0.633	0.661	0.639
072	2017/06/12	10:47:39	0.671	0.757	0.664
073	2017/06/12	10:48:39	0.594	0.650	0.578
074	2017/06/12	10:49:39	0.587	0.606	0.567
075	2017/06/12	10:50:39	0.563	0.572	0.563
076	2017/06/12	10:51:39	0.572	0.597	0.559
077	2017/06/12	10:52:39	0.560	0.574	0.544
078	2017/06/12	10:53:39	0.545	0.565	0.543
079	2017/06/12	10:54:39	0.542	0.555	0.548
080	2017/06/12	10:55:39	0.575	0.637	0.547
081	2017/06/12	10:56:39	0.523	0.570	0.500
082	2017/06/12	10:57:39	0.509	0.530	0.495
083	2017/06/12	10:58:39	0.512	0.541	0.502
084	2017/06/12	10:59:39	0.488	0.509	0.475
085	2017/06/12	11:00:39	0.473	0.497	0.464

086	2017/06/12	11:01:39	0.466	0.485	0.445
087	2017/06/12	11:02:39	0.430	0.446	0.422
088	2017/06/12	11:03:39	0.419	0.440	0.420
089	2017/06/12	11:04:39	0.409	0.431	0.431
090	2017/06/12	11:05:39	0.399	0.430	0.384
091	2017/06/12	11:06:39	0.382	0.389	0.372
092	2017/06/12	11:07:39	0.361	0.374	0.353
093	2017/06/12	11:08:39	0.350	0.363	0.348
094	2017/06/12	11:09:39	0.335	0.356	0.323
095	2017/06/12	11:10:39	0.320	0.335	0.310
096	2017/06/12	11:11:39	0.309	0.323	0.298
097	2017/06/12	11:12:39	0.294	0.302	0.289
098	2017/06/12	11:13:39	0.290	0.305	0.277
099	2017/06/12	11:14:39	0.263	0.273	0.263
100	2017/06/12	11:15:39	0.255	0.264	0.243
101	2017/06/12	11:16:39	0.238	0.247	0.232
102	2017/06/12	11:17:39	0.227	0.235	0.221
103	2017/06/12	11:18:39	0.220	0.238	0.208
104	2017/06/12	11:19:39	0.200	0.208	0.197
105	2017/06/12	11:20:39	0.193	0.201	0.194
106	2017/06/12	11:21:39	0.183	0.196	0.183
107	2017/06/12	11:22:39	0.173	0.183	0.165
108	2017/06/12	11:23:39	0.162	0.166	0.155
109	2017/06/12	11:24:39	0.152	0.158	0.150
110	2017/06/12	11:25:39	0.145	0.150	0.142
111	2017/06/12	11:26:39	0.141	0.149	0.136
112	2017/06/12	11:27:39	0.131	0.138	0.138
113	2017/06/12	11:28:39	0.124	0.140	0.118
114	2017/06/12	11:29:39	0.114	0.118	0.111
115	2017/06/12	11:30:39	0.110	0.113	0.107
116	2017/06/12	11:31:39	0.098	0.107	0.093
117	2017/06/12	11:32:39	0.085	0.093	0.078
118	2017/06/12	11:33:39	0.073	0.080	0.070
119	2017/06/12	11:34:39	0.066	0.070	0.065
120	2017/06/12	11:35:39	0.058	0.064	0.055
121	2017/06/12	11:36:39	0.051	0.055	0.043
122	2017/06/12	11:37:39	0.039	0.045	0.033
123	2017/06/12	11:38:39	0.030	0.037	0.022
124	2017/06/12	11:39:39	0.015	0.024	0.012
125	2017/06/12	11:40:39	0.010	0.014	0.006
126	2017/06/12	11:41:39	0.003	0.007	0.001
127	2017/06/12	11:42:39	0.002	0.005	0.003
128	2017/06/12	11:43:39	0.000	0.004	0.000
129	2017/06/12	11:44:39	0.000	0.000	0.000
130	2017/06/12	11:45:39	0.000	0.000	0.000
131	2017/06/12	11:46:39	0.000	0.000	0.000
132	2017/06/12	11:47:39	0.000	0.000	0.000
133	2017/06/12	11:48:39	0.000	0.000	0.000
134	2017/06/12	11:49:39	0.000	0.000	0.000
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140	2017/06/12	11:55:39	0.000	0.000	0.000
141	2017/06/12	11:56:39	0.000	0.000	0.000
142	2017/06/12	11:57:39	0.000	0.000	0.000
143	2017/06/12	11:58:39	0.000	0.000	0.000
144	2017/06/12	11:59:39	0.000	0.000	0.000
145	2017/06/12	12:00:39	0.000	0.000	0.000
146	2017/06/12	12:01:39	0.000	0.000	0.000
147	2017/06/12	12:02:39	0.000	0.000	0.000
148	2017/06/12	12:03:39	0.000	0.000	0.000

149	2017/06/12 12:04:39	0.000	0.000	0.000
150	2017/06/12 12:05:39	0.000	0.000	0.000
151	2017/06/12 12:06:39	0.000	0.000	0.000
152	2017/06/12 12:07:39	0.000	0.000	0.000
153	2017/06/12 12:08:39	0.000	0.000	0.000
154	2017/06/12 12:09:39	0.000	0.000	0.000
155	2017/06/12 12:10:39	0.000	0.000	0.000
156	2017/06/12 12:11:39	0.000	0.000	0.000
157	2017/06/12 12:12:39	0.000	0.000	0.000
158	2017/06/12 12:13:39	0.000	0.000	0.000
159	2017/06/12 12:14:39	0.000	0.000	0.000
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161	2017/06/12 12:16:39	0.000	0.000	0.000
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163	2017/06/12 12:18:39	0.000	0.000	0.000
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166	2017/06/12 12:21:39	0.000	0.000	0.000
167	2017/06/12 12:22:39	0.000	0.000	0.000
168	2017/06/12 12:23:39	0.000	0.000	0.000
169	2017/06/12 12:24:39	0.000	0.000	0.000
170	2017/06/12 12:25:39	0.000	0.000	0.000
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172	2017/06/12 12:27:39	0.000	0.000	0.000
173	2017/06/12 12:28:39	0.000	0.000	0.000
174	2017/06/12 12:29:39	0.000	0.000	0.000
175	2017/06/12 12:30:39	0.000	0.000	0.000
176	2017/06/12 12:31:39	0.000	0.000	0.000
177	2017/06/12 12:32:39	0.000	0.000	0.000
178	2017/06/12 12:33:39	0.000	0.000	0.000
179	2017/06/12 12:34:39	0.000	0.000	0.000
180	2017/06/12 12:35:39	0.000	0.000	0.000
181	2017/06/12 12:36:39	0.000	0.000	0.000
182	2017/06/12 12:37:39	0.000	0.000	0.000
183	2017/06/12 12:38:39	0.000	0.000	0.000
184	2017/06/12 12:39:39	0.000	0.000	0.000
185	2017/06/12 12:40:39	0.000	0.000	0.000
186	2017/06/12 12:41:39	0.000	0.000	0.000
187	2017/06/12 12:42:39	0.000	0.000	0.000
188	2017/06/12 12:43:39	0.000	0.000	0.000
189	2017/06/12 12:44:39	0.000	0.000	0.000
190	2017/06/12 12:45:39	0.000	0.000	0.000
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201	2017/06/12 12:56:39	0.000	0.000	0.000
202	2017/06/12 12:57:39	0.000	0.000	0.000
203	2017/06/12 12:58:39	0.000	0.000	0.000
204	2017/06/12 12:59:39	0.000	0.000	0.000
205	2017/06/12 13:00:39	0.000	0.000	0.000
206	2017/06/12 13:01:39	0.000	0.000	0.000
207	2017/06/12 13:02:39	0.000	0.000	0.000
208	2017/06/12 13:03:39	0.000	0.000	0.000
209	2017/06/12 13:04:39	0.000	0.000	0.000
210	2017/06/12 13:05:39	0.000	0.000	0.000
211	2017/06/12 13:06:39	0.000	0.000	0.000

212	2017/06/12	13:07:39	0.000	0.000	0.000
213	2017/06/12	13:08:39	0.000	0.000	0.000
214	2017/06/12	13:09:39	0.000	0.000	0.000
215	2017/06/12	13:10:39	0.000	0.000	0.000
216	2017/06/12	13:11:39	0.000	0.000	0.000
217	2017/06/12	13:12:39	0.000	0.000	0.000
218	2017/06/12	13:13:39	0.000	0.000	0.000
219	2017/06/12	13:14:39	0.000	0.000	0.000
220	2017/06/12	13:15:39	0.000	0.000	0.000
221	2017/06/12	13:16:39	0.000	0.000	0.000
222	2017/06/12	13:17:39	0.000	0.000	0.000
223	2017/06/12	13:18:39	0.000	0.000	0.000
224	2017/06/12	13:19:39	0.000	0.000	0.000
225	2017/06/12	13:20:39	0.000	0.000	0.000
226	2017/06/12	13:21:39	0.000	0.000	0.000
227	2017/06/12	13:22:39	0.000	0.000	0.000
228	2017/06/12	13:23:39	0.000	0.000	0.000
229	2017/06/12	13:24:39	0.000	0.000	0.000
230	2017/06/12	13:25:39	0.000	0.000	0.000
231	2017/06/12	13:26:39	0.000	0.000	0.000
232	2017/06/12	13:27:39	0.000	0.000	0.000
233	2017/06/12	13:28:39	0.000	0.000	0.000
234	2017/06/12	13:29:39	0.000	0.000	0.000
235	2017/06/12	13:30:39	0.000	0.000	0.000
236	2017/06/12	13:31:39	0.000	0.000	0.000
237	2017/06/12	13:32:39	0.000	0.000	0.000
238	2017/06/12	13:33:39	0.000	0.000	0.000
239	2017/06/12	13:34:39	0.000	0.000	0.000
240	2017/06/12	13:35:39	0.000	0.000	0.000
241	2017/06/12	13:36:39	0.000	0.000	0.000
242	2017/06/12	13:37:39	0.000	0.000	0.000
243	2017/06/12	13:38:39	0.000	0.000	0.000
244	2017/06/12	13:39:39	0.000	0.000	0.000
245	2017/06/12	13:40:39	0.000	0.000	0.000
246	2017/06/12	13:41:39	0.000	0.000	0.000
247	2017/06/12	13:42:39	0.000	0.000	0.000
248	2017/06/12	13:43:39	0.000	0.000	0.000
249	2017/06/12	13:44:39	0.000	0.000	0.000
250	2017/06/12	13:45:39	0.000	0.000	0.000
251	2017/06/12	13:46:39	0.000	0.000	0.000
252	2017/06/12	13:47:39	0.000	0.000	0.000
253	2017/06/12	13:48:39	0.000	0.000	0.000
254	2017/06/12	13:49:39	0.000	0.000	0.000
255	2017/06/12	13:50:39	0.000	0.000	0.000
256	2017/06/12	13:51:39	0.000	0.000	0.000
257	2017/06/12	13:52:39	0.000	0.000	0.000
258	2017/06/12	13:53:39	0.000	0.000	0.000
259	2017/06/12	13:54:39	0.000	0.000	0.000
260	2017/06/12	13:55:39	0.000	0.000	0.000
261	2017/06/12	13:56:39	0.000	0.000	0.000
262	2017/06/12	13:57:39	0.000	0.000	0.000
263	2017/06/12	13:58:39	0.000	0.000	0.000
264	2017/06/12	13:59:39	0.000	0.000	0.000
265	2017/06/12	14:00:39	0.000	0.000	0.000
266	2017/06/12	14:01:39	0.000	0.000	0.000
267	2017/06/12	14:02:39	0.000	0.000	0.000
268	2017/06/12	14:03:39	0.000	0.000	0.000
269	2017/06/12	14:04:39	0.000	0.000	0.000
270	2017/06/12	14:05:39	0.000	0.000	0.000
271	2017/06/12	14:06:39	0.000	0.000	0.000
272	2017/06/12	14:07:39	0.000	0.000	0.000
273	2017/06/12	14:08:39	0.000	0.000	0.000
274	2017/06/12	14:09:39	0.000	0.000	0.000

275	2017/06/12 14:10:39	0.000	0.000	0.000
276	2017/06/12 14:11:39	0.000	0.000	0.000
277	2017/06/12 14:12:39	0.000	0.000	0.000
278	2017/06/12 14:13:39	0.000	0.000	0.000
279	2017/06/12 14:14:39	0.000	0.000	0.000
280	2017/06/12 14:15:39	0.000	0.000	0.000
281	2017/06/12 14:16:39	0.000	0.000	0.000
282	2017/06/12 14:17:39	0.000	0.000	0.000
283	2017/06/12 14:18:39	0.000	0.000	0.000
284	2017/06/12 14:19:39	0.000	0.000	0.000
285	2017/06/12 14:20:39	0.000	0.000	0.000
286	2017/06/12 14:21:39	0.000	0.000	0.000
287	2017/06/12 14:22:39	0.000	0.000	0.000
288	2017/06/12 14:23:39	0.000	0.000	0.000
289	2017/06/12 14:24:39	0.000	0.000	0.000
290	2017/06/12 14:25:39	0.000	0.000	0.000
291	2017/06/12 14:26:39	0.000	0.000	0.000
292	2017/06/12 14:27:39	0.000	0.000	0.000
293	2017/06/12 14:28:39	0.000	0.000	0.000
294	2017/06/12 14:29:39	0.000	0.000	0.000
295	2017/06/12 14:30:39	0.000	0.000	0.000
296	2017/06/12 14:31:39	0.000	0.000	0.000
297	2017/06/12 14:32:39	0.000	0.000	0.000
298	2017/06/12 14:33:39	0.000	0.000	0.000
299	2017/06/12 14:34:39	0.000	0.000	0.000
300	2017/06/12 14:35:39	0.000	0.000	0.000
301	2017/06/12 14:36:39	0.000	0.000	0.000
302	2017/06/12 14:37:39	0.000	0.000	0.000
303	2017/06/12 14:38:39	0.000	0.000	0.000
Peak		1.328	1.417	1.339
Min		0.000	0.000	0.000
Average		0.280	0.299	0.278

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2017/06/12 09:36:39	0.001	---
002	2017/06/12 09:37:39	0.002	---
003	2017/06/12 09:38:39	0.003	---
004	2017/06/12 09:39:39	0.005	---
005	2017/06/12 09:40:39	0.007	---
006	2017/06/12 09:41:39	0.009	---
007	2017/06/12 09:42:39	0.011	---
008	2017/06/12 09:43:39	0.014	---
009	2017/06/12 09:44:39	0.016	---
010	2017/06/12 09:45:39	0.019	---
011	2017/06/12 09:46:39	0.022	---
012	2017/06/12 09:47:39	0.025	---
013	2017/06/12 09:48:39	0.027	---
014	2017/06/12 09:49:39	0.030	---
015	2017/06/12 09:50:39	0.032	1.037
016	2017/06/12 09:51:39	0.035	1.103
017	2017/06/12 09:52:39	0.038	1.153
018	2017/06/12 09:53:39	0.040	1.187
019	2017/06/12 09:54:39	0.043	1.211
020	2017/06/12 09:55:39	0.045	1.227
021	2017/06/12 09:56:39	0.048	1.248
022	2017/06/12 09:57:39	0.050	1.251
023	2017/06/12 09:58:39	0.053	1.246
024	2017/06/12 09:59:39	0.055	1.237
025	2017/06/12 10:00:39	0.057	1.226
026	2017/06/12 10:01:39	0.060	1.213
027	2017/06/12 10:02:39	0.062	1.200

028	2017/06/12 10:03:39	0.064	1.184
029	2017/06/12 10:04:39	0.067	1.172
030	2017/06/12 10:05:39	0.069	1.165
031	2017/06/12 10:06:39	0.071	1.146
032	2017/06/12 10:07:39	0.073	1.133
033	2017/06/12 10:08:39	0.075	1.122
034	2017/06/12 10:09:39	0.077	1.113
035	2017/06/12 10:10:39	0.080	1.102
036	2017/06/12 10:11:39	0.082	1.090
037	2017/06/12 10:12:39	0.084	1.076
038	2017/06/12 10:13:39	0.086	1.068
039	2017/06/12 10:14:39	0.088	1.057
040	2017/06/12 10:15:39	0.090	1.047
041	2017/06/12 10:16:39	0.092	1.038
042	2017/06/12 10:17:39	0.094	1.032
043	2017/06/12 10:18:39	0.096	1.023
044	2017/06/12 10:19:39	0.098	1.017
045	2017/06/12 10:20:39	0.100	1.013
046	2017/06/12 10:21:39	0.102	1.008
047	2017/06/12 10:22:39	0.104	1.002
048	2017/06/12 10:23:39	0.106	0.997
049	2017/06/12 10:24:39	0.108	0.990
050	2017/06/12 10:25:39	0.110	0.981
051	2017/06/12 10:26:39	0.112	0.970
052	2017/06/12 10:27:39	0.114	0.964
053	2017/06/12 10:28:39	0.116	0.947
054	2017/06/12 10:29:39	0.117	0.936
055	2017/06/12 10:30:39	0.119	0.924
056	2017/06/12 10:31:39	0.121	0.912
057	2017/06/12 10:32:39	0.122	0.895
058	2017/06/12 10:33:39	0.124	0.881
059	2017/06/12 10:34:39	0.125	0.867
060	2017/06/12 10:35:39	0.127	0.848
061	2017/06/12 10:36:39	0.129	0.835
062	2017/06/12 10:37:39	0.130	0.822
063	2017/06/12 10:38:39	0.132	0.807
064	2017/06/12 10:39:39	0.133	0.793
065	2017/06/12 10:40:39	0.135	0.779
066	2017/06/12 10:41:39	0.136	0.767
067	2017/06/12 10:42:39	0.137	0.751
068	2017/06/12 10:43:39	0.139	0.737
069	2017/06/12 10:44:39	0.140	0.728
070	2017/06/12 10:45:39	0.141	0.719
071	2017/06/12 10:46:39	0.143	0.709
072	2017/06/12 10:47:39	0.144	0.703
073	2017/06/12 10:48:39	0.145	0.690
074	2017/06/12 10:49:39	0.147	0.678
075	2017/06/12 10:50:39	0.148	0.666
076	2017/06/12 10:51:39	0.149	0.652
077	2017/06/12 10:52:39	0.150	0.638
078	2017/06/12 10:53:39	0.151	0.626
079	2017/06/12 10:54:39	0.152	0.615
080	2017/06/12 10:55:39	0.153	0.606
081	2017/06/12 10:56:39	0.155	0.593
082	2017/06/12 10:57:39	0.156	0.581
083	2017/06/12 10:58:39	0.157	0.572
084	2017/06/12 10:59:39	0.158	0.558
085	2017/06/12 11:00:39	0.159	0.546
086	2017/06/12 11:01:39	0.159	0.533
087	2017/06/12 11:02:39	0.160	0.517
088	2017/06/12 11:03:39	0.161	0.506
089	2017/06/12 11:04:39	0.162	0.497
090	2017/06/12 11:05:39	0.163	0.485

091	2017/06/12 11:06:39	0.164	0.473
092	2017/06/12 11:07:39	0.164	0.460
093	2017/06/12 11:08:39	0.165	0.447
094	2017/06/12 11:09:39	0.166	0.432
095	2017/06/12 11:10:39	0.166	0.416
096	2017/06/12 11:11:39	0.167	0.403
097	2017/06/12 11:12:39	0.168	0.389
098	2017/06/12 11:13:39	0.168	0.374
099	2017/06/12 11:14:39	0.169	0.360
100	2017/06/12 11:15:39	0.169	0.345
101	2017/06/12 11:16:39	0.170	0.331
102	2017/06/12 11:17:39	0.170	0.318
103	2017/06/12 11:18:39	0.171	0.303
104	2017/06/12 11:19:39	0.171	0.288
105	2017/06/12 11:20:39	0.172	0.275
106	2017/06/12 11:21:39	0.172	0.263
107	2017/06/12 11:22:39	0.172	0.250
108	2017/06/12 11:23:39	0.173	0.237
109	2017/06/12 11:24:39	0.173	0.226
110	2017/06/12 11:25:39	0.173	0.214
111	2017/06/12 11:26:39	0.173	0.204
112	2017/06/12 11:27:39	0.174	0.194
113	2017/06/12 11:28:39	0.174	0.183
114	2017/06/12 11:29:39	0.174	0.173
115	2017/06/12 11:30:39	0.174	0.164
116	2017/06/12 11:31:39	0.175	0.155
117	2017/06/12 11:32:39	0.175	0.145
118	2017/06/12 11:33:39	0.175	0.136
119	2017/06/12 11:34:39	0.175	0.127
120	2017/06/12 11:35:39	0.175	0.118
121	2017/06/12 11:36:39	0.175	0.108
122	2017/06/12 11:37:39	0.175	0.100
123	2017/06/12 11:38:39	0.175	0.091
124	2017/06/12 11:39:39	0.175	0.082
125	2017/06/12 11:40:39	0.175	0.072
126	2017/06/12 11:41:39	0.175	0.063
127	2017/06/12 11:42:39	0.175	0.054
128	2017/06/12 11:43:39	0.175	0.047
129	2017/06/12 11:44:39	0.175	0.039
130	2017/06/12 11:45:39	0.175	0.032
131	2017/06/12 11:46:39	0.175	0.026
132	2017/06/12 11:47:39	0.175	0.021
133	2017/06/12 11:48:39	0.175	0.016
134	2017/06/12 11:49:39	0.175	0.012
135	2017/06/12 11:50:39	0.175	0.008
136	2017/06/12 11:51:39	0.175	0.005
137	2017/06/12 11:52:39	0.175	0.003
138	2017/06/12 11:53:39	0.175	0.001
139	2017/06/12 11:54:39	0.175	0.001
140	2017/06/12 11:55:39	0.175	0.000
141	2017/06/12 11:56:39	0.175	0.000
142	2017/06/12 11:57:39	0.175	0.000
143	2017/06/12 11:58:39	0.175	0.000
144	2017/06/12 11:59:39	0.175	0.000
145	2017/06/12 12:00:39	0.175	0.000
146	2017/06/12 12:01:39	0.175	0.000
147	2017/06/12 12:02:39	0.175	0.000
148	2017/06/12 12:03:39	0.175	0.000
149	2017/06/12 12:04:39	0.175	0.000
150	2017/06/12 12:05:39	0.175	0.000
151	2017/06/12 12:06:39	0.175	0.000
152	2017/06/12 12:07:39	0.175	0.000
153	2017/06/12 12:08:39	0.175	0.000

154	2017/06/12 12:09:39	0.175	0.000
155	2017/06/12 12:10:39	0.175	0.000
156	2017/06/12 12:11:39	0.175	0.000
157	2017/06/12 12:12:39	0.175	0.000
158	2017/06/12 12:13:39	0.175	0.000
159	2017/06/12 12:14:39	0.175	0.000
160	2017/06/12 12:15:39	0.175	0.000
161	2017/06/12 12:16:39	0.175	0.000
162	2017/06/12 12:17:39	0.175	0.000
163	2017/06/12 12:18:39	0.175	0.000
164	2017/06/12 12:19:39	0.175	0.000
165	2017/06/12 12:20:39	0.175	0.000
166	2017/06/12 12:21:39	0.175	0.000
167	2017/06/12 12:22:39	0.175	0.000
168	2017/06/12 12:23:39	0.175	0.000
169	2017/06/12 12:24:39	0.175	0.000
170	2017/06/12 12:25:39	0.175	0.000
171	2017/06/12 12:26:39	0.175	0.000
172	2017/06/12 12:27:39	0.175	0.000
173	2017/06/12 12:28:39	0.175	0.000
174	2017/06/12 12:29:39	0.175	0.000
175	2017/06/12 12:30:39	0.175	0.000
176	2017/06/12 12:31:39	0.175	0.000
177	2017/06/12 12:32:39	0.175	0.000
178	2017/06/12 12:33:39	0.175	0.000
179	2017/06/12 12:34:39	0.175	0.000
180	2017/06/12 12:35:39	0.175	0.000
181	2017/06/12 12:36:39	0.175	0.000
182	2017/06/12 12:37:39	0.175	0.000
183	2017/06/12 12:38:39	0.175	0.000
184	2017/06/12 12:39:39	0.175	0.000
185	2017/06/12 12:40:39	0.175	0.000
186	2017/06/12 12:41:39	0.175	0.000
187	2017/06/12 12:42:39	0.175	0.000
188	2017/06/12 12:43:39	0.175	0.000
189	2017/06/12 12:44:39	0.175	0.000
190	2017/06/12 12:45:39	0.175	0.000
191	2017/06/12 12:46:39	0.175	0.000
192	2017/06/12 12:47:39	0.175	0.000
193	2017/06/12 12:48:39	0.175	0.000
194	2017/06/12 12:49:39	0.175	0.000
195	2017/06/12 12:50:39	0.175	0.000
196	2017/06/12 12:51:39	0.175	0.000
197	2017/06/12 12:52:39	0.175	0.000
198	2017/06/12 12:53:39	0.175	0.000
199	2017/06/12 12:54:39	0.175	0.000
200	2017/06/12 12:55:39	0.175	0.000
201	2017/06/12 12:56:39	0.175	0.000
202	2017/06/12 12:57:39	0.175	0.000
203	2017/06/12 12:58:39	0.175	0.000
204	2017/06/12 12:59:39	0.175	0.000
205	2017/06/12 13:00:39	0.175	0.000
206	2017/06/12 13:01:39	0.175	0.000
207	2017/06/12 13:02:39	0.175	0.000
208	2017/06/12 13:03:39	0.175	0.000
209	2017/06/12 13:04:39	0.175	0.000
210	2017/06/12 13:05:39	0.175	0.000
211	2017/06/12 13:06:39	0.175	0.000
212	2017/06/12 13:07:39	0.175	0.000
213	2017/06/12 13:08:39	0.175	0.000
214	2017/06/12 13:09:39	0.175	0.000
215	2017/06/12 13:10:39	0.175	0.000
216	2017/06/12 13:11:39	0.175	0.000

217	2017/06/12	13:12:39	0.175	0.000
218	2017/06/12	13:13:39	0.175	0.000
219	2017/06/12	13:14:39	0.175	0.000
220	2017/06/12	13:15:39	0.175	0.000
221	2017/06/12	13:16:39	0.175	0.000
222	2017/06/12	13:17:39	0.175	0.000
223	2017/06/12	13:18:39	0.175	0.000
224	2017/06/12	13:19:39	0.175	0.000
225	2017/06/12	13:20:39	0.175	0.000
226	2017/06/12	13:21:39	0.175	0.000
227	2017/06/12	13:22:39	0.175	0.000
228	2017/06/12	13:23:39	0.175	0.000
229	2017/06/12	13:24:39	0.175	0.000
230	2017/06/12	13:25:39	0.175	0.000
231	2017/06/12	13:26:39	0.175	0.000
232	2017/06/12	13:27:39	0.175	0.000
233	2017/06/12	13:28:39	0.175	0.000
234	2017/06/12	13:29:39	0.175	0.000
235	2017/06/12	13:30:39	0.175	0.000
236	2017/06/12	13:31:39	0.175	0.000
237	2017/06/12	13:32:39	0.175	0.000
238	2017/06/12	13:33:39	0.175	0.000
239	2017/06/12	13:34:39	0.175	0.000
240	2017/06/12	13:35:39	0.175	0.000
241	2017/06/12	13:36:39	0.175	0.000
242	2017/06/12	13:37:39	0.175	0.000
243	2017/06/12	13:38:39	0.175	0.000
244	2017/06/12	13:39:39	0.175	0.000
245	2017/06/12	13:40:39	0.175	0.000
246	2017/06/12	13:41:39	0.175	0.000
247	2017/06/12	13:42:39	0.175	0.000
248	2017/06/12	13:43:39	0.175	0.000
249	2017/06/12	13:44:39	0.175	0.000
250	2017/06/12	13:45:39	0.175	0.000
251	2017/06/12	13:46:39	0.175	0.000
252	2017/06/12	13:47:39	0.175	0.000
253	2017/06/12	13:48:39	0.175	0.000
254	2017/06/12	13:49:39	0.175	0.000
255	2017/06/12	13:50:39	0.175	0.000
256	2017/06/12	13:51:39	0.175	0.000
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259	2017/06/12	13:54:39	0.175	0.000
260	2017/06/12	13:55:39	0.175	0.000
261	2017/06/12	13:56:39	0.175	0.000
262	2017/06/12	13:57:39	0.175	0.000
263	2017/06/12	13:58:39	0.175	0.000
264	2017/06/12	13:59:39	0.175	0.000
265	2017/06/12	14:00:39	0.175	0.000
266	2017/06/12	14:01:39	0.175	0.000
267	2017/06/12	14:02:39	0.175	0.000
268	2017/06/12	14:03:39	0.175	0.000
269	2017/06/12	14:04:39	0.175	0.000
270	2017/06/12	14:05:39	0.175	0.000
271	2017/06/12	14:06:39	0.175	0.000
272	2017/06/12	14:07:39	0.175	0.000
273	2017/06/12	14:08:39	0.175	0.000
274	2017/06/12	14:09:39	0.175	0.000
275	2017/06/12	14:10:39	0.175	0.000
276	2017/06/12	14:11:39	0.175	0.000
277	2017/06/12	14:12:39	0.175	0.000
278	2017/06/12	14:13:39	0.175	0.000
279	2017/06/12	14:14:39	0.175	0.000

280	2017/06/12	14:15:39	0.175	0.000
281	2017/06/12	14:16:39	0.175	0.000
282	2017/06/12	14:17:39	0.175	0.000
283	2017/06/12	14:18:39	0.175	0.000
284	2017/06/12	14:19:39	0.175	0.000
285	2017/06/12	14:20:39	0.175	0.000
286	2017/06/12	14:21:39	0.175	0.000
287	2017/06/12	14:22:39	0.175	0.000
288	2017/06/12	14:23:39	0.175	0.000
289	2017/06/12	14:24:39	0.175	0.000
290	2017/06/12	14:25:39	0.175	0.000
291	2017/06/12	14:26:39	0.175	0.000
292	2017/06/12	14:27:39	0.175	0.000
293	2017/06/12	14:28:39	0.175	0.000
294	2017/06/12	14:29:39	0.175	0.000
295	2017/06/12	14:30:39	0.175	0.000
296	2017/06/12	14:31:39	0.175	0.000
297	2017/06/12	14:32:39	0.175	0.000
298	2017/06/12	14:33:39	0.175	0.000
299	2017/06/12	14:34:39	0.175	0.000
300	2017/06/12	14:35:39	0.175	0.000
301	2017/06/12	14:36:39	0.175	0.000
302	2017/06/12	14:37:39	0.175	0.000
303	2017/06/12	14:38:39	0.175	0.000

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530133405
Firmware Version	3.4
Calibration Date	1/17/2017
Test Name	UPWIND112117_001
Test Start Time	8:08:56 AM
Test Start Date	11/21/2017
Test Length [D:H:M]	0:08:20
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.02
Mass Minimum [mg/m3]	0.013
Mass Maximum [mg/m3]	0.081
Mass TWA [mg/m3]	0.02
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	500

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.017		
120	0.013		
180	0.014		
240	0.015		
300	0.014		
360	0.015		
420	0.014		
480	0.014		
540	0.015		
600	0.015		
660	0.017		
720	0.014		
780	0.014		
840	0.014		
900	0.014		
960	0.014		
1020	0.013		
1080	0.013		
1140	0.013		
1200	0.014		
1260	0.013		
1320	0.013		
1380	0.013		
1440	0.014		
1500	0.014		
1560	0.013		
1620	0.013		

1680	0.013
1740	0.014
1800	0.014
1860	0.021
1920	0.023
1980	0.015
2040	0.015
2100	0.015
2160	0.014
2220	0.013
2280	0.014
2340	0.014
2400	0.013
2460	0.014
2520	0.014
2580	0.013
2640	0.013
2700	0.014
2760	0.013
2820	0.013
2880	0.014
2940	0.014
3000	0.014
3060	0.014
3120	0.014
3180	0.014
3240	0.014
3300	0.014
3360	0.014
3420	0.014
3480	0.015
3540	0.02
3600	0.015
3660	0.014
3720	0.016
3780	0.016
3840	0.015
3900	0.015
3960	0.015
4020	0.015
4080	0.015
4140	0.016
4200	0.016
4260	0.016
4320	0.016
4380	0.017
4440	0.017

4500	0.016
4560	0.016
4620	0.016
4680	0.016
4740	0.017
4800	0.017
4860	0.017
4920	0.017
4980	0.016
5040	0.016
5100	0.016
5160	0.017
5220	0.016
5280	0.017
5340	0.017
5400	0.029
5460	0.02
5520	0.017
5580	0.017
5640	0.017
5700	0.02
5760	0.021
5820	0.018
5880	0.017
5940	0.018
6000	0.018
6060	0.018
6120	0.019
6180	0.018
6240	0.033
6300	0.026
6360	0.018
6420	0.018
6480	0.018
6540	0.019
6600	0.019
6660	0.022
6720	0.018
6780	0.019
6840	0.025
6900	0.02
6960	0.02
7020	0.021
7080	0.018
7140	0.019
7200	0.019
7260	0.021

7320	0.019
7380	0.019
7440	0.019
7500	0.02
7560	0.02
7620	0.022
7680	0.023
7740	0.019
7800	0.021
7860	0.023
7920	0.019
7980	0.024
8040	0.02
8100	0.023
8160	0.02
8220	0.02
8280	0.019
8340	0.019
8400	0.02
8460	0.019
8520	0.019
8580	0.018
8640	0.019
8700	0.018
8760	0.018
8820	0.019
8880	0.018
8940	0.018
9000	0.019
9060	0.018
9120	0.019
9180	0.021
9240	0.019
9300	0.028
9360	0.024
9420	0.021
9480	0.02
9540	0.018
9600	0.021
9660	0.028
9720	0.019
9780	0.019
9840	0.02
9900	0.019
9960	0.029
10020	0.02
10080	0.019

10140	0.02
10200	0.019
10260	0.029
10320	0.02
10380	0.019
10440	0.019
10500	0.019
10560	0.019
10620	0.028
10680	0.022
10740	0.023
10800	0.021
10860	0.022
10920	0.025
10980	0.022
11040	0.022
11100	0.02
11160	0.02
11220	0.021
11280	0.022
11340	0.021
11400	0.021
11460	0.023
11520	0.021
11580	0.02
11640	0.02
11700	0.02
11760	0.021
11820	0.021
11880	0.022
11940	0.021
12000	0.021
12060	0.022
12120	0.022
12180	0.021
12240	0.036
12300	0.03
12360	0.021
12420	0.022
12480	0.021
12540	0.021
12600	0.022
12660	0.023
12720	0.023
12780	0.021
12840	0.024
12900	0.023

12960	0.022
13020	0.021
13080	0.022
13140	0.022
13200	0.021
13260	0.021
13320	0.021
13380	0.021
13440	0.021
13500	0.021
13560	0.021
13620	0.021
13680	0.021
13740	0.021
13800	0.021
13860	0.02
13920	0.021
13980	0.021
14040	0.021
14100	0.021
14160	0.02
14220	0.021
14280	0.021
14340	0.02
14400	0.02
14460	0.022
14520	0.021
14580	0.02
14640	0.02
14700	0.02
14760	0.02
14820	0.02
14880	0.02
14940	0.021
15000	0.02
15060	0.021
15120	0.021
15180	0.021
15240	0.02
15300	0.02
15360	0.022
15420	0.02
15480	0.02
15540	0.02
15600	0.02
15660	0.02
15720	0.019

15780	0.019
15840	0.021
15900	0.02
15960	0.019
16020	0.019
16080	0.019
16140	0.019
16200	0.019
16260	0.02
16320	0.019
16380	0.019
16440	0.019
16500	0.019
16560	0.019
16620	0.024
16680	0.018
16740	0.019
16800	0.018
16860	0.018
16920	0.019
16980	0.035
17040	0.022
17100	0.038
17160	0.023
17220	0.019
17280	0.019
17340	0.025
17400	0.022
17460	0.034
17520	0.022
17580	0.021
17640	0.022
17700	0.02
17760	0.019
17820	0.021
17880	0.02
17940	0.024
18000	0.023
18060	0.03
18120	0.022
18180	0.019
18240	0.019
18300	0.021
18360	0.019
18420	0.018
18480	0.019
18540	0.019

18600	0.023
18660	0.019
18720	0.032
18780	0.025
18840	0.02
18900	0.025
18960	0.02
19020	0.019
19080	0.019
19140	0.018
19200	0.019
19260	0.018
19320	0.02
19380	0.021
19440	0.022
19500	0.024
19560	0.037
19620	0.037
19680	0.024
19740	0.026
19800	0.021
19860	0.021
19920	0.021
19980	0.019
20040	0.019
20100	0.019
20160	0.02
20220	0.019
20280	0.022
20340	0.019
20400	0.02
20460	0.019
20520	0.021
20580	0.02
20640	0.025
20700	0.025
20760	0.022
20820	0.025
20880	0.02
20940	0.081
21000	0.025
21060	0.018
21120	0.019
21180	0.019
21240	0.028
21300	0.021
21360	0.023

21420	0.019
21480	0.023
21540	0.019
21600	0.019
21660	0.019
21720	0.021
21780	0.019
21840	0.031
21900	0.029
21960	0.021
22020	0.019
22080	0.019
22140	0.018
22200	0.018
22260	0.019
22320	0.017
22380	0.017
22440	0.017
22500	0.021
22560	0.017
22620	0.017
22680	0.017
22740	0.019
22800	0.018
22860	0.018
22920	0.017
22980	0.018
23040	0.022
23100	0.02
23160	0.019
23220	0.017
23280	0.017
23340	0.021
23400	0.019
23460	0.022
23520	0.017
23580	0.018
23640	0.042
23700	0.017
23760	0.018
23820	0.018
23880	0.018
23940	0.017
24000	0.022
24060	0.029
24120	0.018
24180	0.018

24240	0.02
24300	0.024
24360	0.02
24420	0.018
24480	0.018
24540	0.019
24600	0.02
24660	0.024
24720	0.018
24780	0.037
24840	0.024
24900	0.022
24960	0.021
25020	0.018
25080	0.022
25140	0.02
25200	0.018
25260	0.018
25320	0.017
25380	0.017
25440	0.017
25500	0.017
25560	0.017
25620	0.019
25680	0.018
25740	0.019
25800	0.018
25860	0.017
25920	0.018
25980	0.02
26040	0.018
26100	0.022
26160	0.028
26220	0.023
26280	0.027
26340	0.024
26400	0.019
26460	0.017
26520	0.018
26580	0.043
26640	0.027
26700	0.022
26760	0.02
26820	0.028
26880	0.019
26940	0.019
27000	0.018

27060	0.017
27120	0.017
27180	0.042
27240	0.027
27300	0.03
27360	0.018
27420	0.019
27480	0.022
27540	0.018
27600	0.05
27660	0.037
27720	0.02
27780	0.023
27840	0.029
27900	0.03
27960	0.019
28020	0.025
28080	0.028
28140	0.022
28200	0.02
28260	0.029
28320	0.022
28380	0.023
28440	0.02
28500	0.021
28560	0.02
28620	0.016
28680	0.054
28740	0.018
28800	0.02
28860	0.02
28920	0.017
28980	0.019
29040	0.033
29100	0.019
29160	0.016
29220	0.022
29280	0.018
29340	0.017
29400	0.019
29460	0.018
29520	0.028
29580	0.048
29640	0.02
29700	0.018
29760	0.028
29820	0.02

29880	0.018
29940	0.017
30000	0.016

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530143406
Firmware Version	3.4
Calibration Date	12/19/2016
Test Name	UPWIND060717_001
Test Start Time	9:01:17 AM
Test Start Date	6/7/2017
Test Length [D:H:M]	0:07:35
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.002
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.009
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	455

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.009		
120	0.006		
180	0.005		
240	0.006		
300	0.007		
360	0.006		
420	0.006		
480	0.007		
540	0.006		
600	0.006		
660	0.006		
720	0.006		
780	0.006		
840	0.007		
900	0.007		
960	0.008		
1020	0.006		
1080	0.007		
1140	0.006		
1200	0.006		
1260	0.006		
1320	0.006		
1380	0.006		
1440	0.006		
1500	0.006		
1560	0.006		
1620	0.006		

1680	0.005
1740	0.005
1800	0.006
1860	0.006
1920	0.006
1980	0.006
2040	0.007
2100	0.007
2160	0.006
2220	0.006
2280	0.007
2340	0.007
2400	0.007
2460	0.007
2520	0.007
2580	0.007
2640	0.006
2700	0.006
2760	0.006
2820	0.006
2880	0.006
2940	0.006
3000	0.006
3060	0.006
3120	0.006
3180	0.006
3240	0.005
3300	0.006
3360	0.006
3420	0.005
3480	0.005
3540	0.005
3600	0.005
3660	0.005
3720	0.005
3780	0.005
3840	0.005
3900	0.005
3960	0.005
4020	0.005
4080	0.005
4140	0.005
4200	0.005
4260	0.005
4320	0.005
4380	0.005
4440	0.004

4500	0.004
4560	0.004
4620	0.004
4680	0.004
4740	0.004
4800	0.004
4860	0.005
4920	0.004
4980	0.005
5040	0.006
5100	0.004
5160	0.004
5220	0.004
5280	0.004
5340	0.006
5400	0.006
5460	0.004
5520	0.004
5580	0.004
5640	0.004
5700	0.004
5760	0.004
5820	0.004
5880	0.003
5940	0.004
6000	0.003
6060	0.003
6120	0.003
6180	0.003
6240	0.004
6300	0.004
6360	0.003
6420	0.003
6480	0.003
6540	0.004
6600	0.004
6660	0.003
6720	0.003
6780	0.003
6840	0.003
6900	0.003
6960	0.003
7020	0.002
7080	0.002
7140	0.002
7200	0.003
7260	0.003

7320	0.002
7380	0.002
7440	0.002
7500	0.002
7560	0.003
7620	0.002
7680	0.002
7740	0.002
7800	0.002
7860	0.002
7920	0.002
7980	0.008
8040	0.002
8100	0.002
8160	0.003
8220	0.002
8280	0.002
8340	0.002
8400	0.002
8460	0.002
8520	0.003
8580	0.002
8640	0.002
8700	0.002
8760	0.002
8820	0.002
8880	0.002
8940	0.002
9000	0.002
9060	0.002
9120	0.002
9180	0.002
9240	0.002
9300	0.002
9360	0.002
9420	0.002
9480	0.002
9540	0.003
9600	0.003
9660	0.002
9720	0.002
9780	0.002
9840	0.002
9900	0.002
9960	0.001
10020	0.002
10080	0.001

10140	0.001
10200	0.006
10260	0.001
10320	0.001
10380	0.001
10440	0.001
10500	0.002
10560	0.002
10620	0.001
10680	0.002
10740	0.002
10800	0.001
10860	0.001
10920	0.001
10980	0.002
11040	0.002
11100	0.002
11160	0.001
11220	0.001
11280	0.001
11340	0.001
11400	0.002
11460	0.001
11520	0.001
11580	0.001
11640	0.002
11700	0.001
11760	0.001
11820	0.001
11880	0.001
11940	0.001
12000	0.001
12060	0.001
12120	0.002
12180	0.001
12240	0.001
12300	0.001
12360	0.001
12420	0.001
12480	0.001
12540	0.006
12600	0.005
12660	0.001
12720	0.001
12780	0.001
12840	0.001
12900	0.001

12960	0.001
13020	0.001
13080	0.001
13140	0.001
13200	0.001
13260	0.001
13320	0.001
13380	0
13440	0.001
13500	0.002
13560	0.001
13620	0.001
13680	0.001
13740	0.001
13800	0.002
13860	0.001
13920	0.002
13980	0.001
14040	0.002
14100	0.001
14160	0
14220	0.002
14280	0.001
14340	0.001
14400	0.001
14460	0.001
14520	0.001
14580	0.001
14640	0.001
14700	0.001
14760	0
14820	0.001
14880	0.001
14940	0.001
15000	0.001
15060	0.001
15120	0.002
15180	0.001
15240	0.001
15300	0
15360	0.001
15420	0.001
15480	0.001
15540	0.001
15600	0.002
15660	0.001
15720	0.001

15780	0
15840	0.001
15900	0.001
15960	0.001
16020	0.001
16080	0.001
16140	0.001
16200	0.001
16260	0.002
16320	0.001
16380	0.003
16440	0.001
16500	0.001
16560	0.001
16620	0.001
16680	0.001
16740	0.001
16800	0.001
16860	0.001
16920	0.001
16980	0.001
17040	0.001
17100	0.002
17160	0.001
17220	0.001
17280	0.001
17340	0.001
17400	0.001
17460	0.001
17520	0.001
17580	0.001
17640	0.001
17700	0.002
17760	0.001
17820	0.001
17880	0.001
17940	0.001
18000	0
18060	0.001
18120	0.001
18180	0.001
18240	0.001
18300	0.002
18360	0.002
18420	0.002
18480	0.001
18540	0.001

18600	0.001
18660	0.001
18720	0.001
18780	0.001
18840	0.001
18900	0.001
18960	0.001
19020	0.002
19080	0.001
19140	0.001
19200	0
19260	0
19320	0.001
19380	0.001
19440	0.001
19500	0.001
19560	0.001
19620	0.002
19680	0
19740	0.002
19800	0.001
19860	0.001
19920	0.001
19980	0.001
20040	0.001
20100	0.001
20160	0.001
20220	0.001
20280	0.001
20340	0.001
20400	0.001
20460	0.001
20520	0.001
20580	0.001
20640	0.001
20700	0.001
20760	0.001
20820	0.001
20880	0.001
20940	0.001
21000	0
21060	0.001
21120	0.001
21180	0.001
21240	0.001
21300	0.001
21360	0.001

21420	0.001
21480	0.001
21540	0.001
21600	0.001
21660	0.001
21720	0.001
21780	0.001
21840	0.001
21900	0.001
21960	0.001
22020	0.001
22080	0.001
22140	0.001
22200	0.001
22260	0.001
22320	0.001
22380	0.001
22440	0.001
22500	0.001
22560	0.001
22620	0.001
22680	0
22740	0.005
22800	0
22860	0.001
22920	0.001
22980	0.001
23040	0.001
23100	0.001
23160	0.001
23220	0.001
23280	0.001
23340	0.001
23400	0.001
23460	0.001
23520	0
23580	0.001
23640	0.002
23700	0.001
23760	0.001
23820	0.001
23880	0.001
23940	0.001
24000	0.001
24060	0.001
24120	0.001
24180	0.001

24240	0.001
24300	0.001
24360	0.002
24420	0.005
24480	0.005
24540	0.002
24600	0.002
24660	0.001
24720	0
24780	0.001
24840	0.001
24900	0.001
24960	0.005
25020	0.001
25080	0.001
25140	0.001
25200	0
25260	0.002
25320	0.001
25380	0
25440	0
25500	0.001
25560	0.002
25620	0.001
25680	0.001
25740	0.001
25800	0.001
25860	0.001
25920	0.001
25980	0
26040	0.001
26100	0
26160	0.001
26220	0
26280	0
26340	0.001
26400	0.001
26460	0
26520	0.001
26580	0.001
26640	0
26700	0.001
26760	0
26820	0
26880	0.001
26940	0.001
27000	0

27060	0.001
27120	0
27180	0
27240	0
27300	0.001

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530143406
Firmware Version	3.4
Calibration Date	12/19/2016
Test Name	UPWIND060817_002
Test Start Time	8:31:32 AM
Test Start Date	6/8/2017
Test Length [D:H:M]	0:06:11
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.022
Mass TWA [mg/m3]	0.005
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	371

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.022		
120	0.007		
180	0.008		
240	0.008		
300	0.008		
360	0.008		
420	0.007		
480	0.008		
540	0.009		
600	0.008		
660	0.013		
720	0.01		
780	0.01		
840	0.008		
900	0.008		
960	0.01		
1020	0.009		
1080	0.008		
1140	0.008		
1200	0.008		
1260	0.008		
1320	0.009		
1380	0.008		
1440	0.008		
1500	0.009		
1560	0.008		
1620	0.009		

1680	0.009
1740	0.008
1800	0.008
1860	0.008
1920	0.008
1980	0.008
2040	0.009
2100	0.01
2160	0.01
2220	0.009
2280	0.009
2340	0.009
2400	0.009
2460	0.009
2520	0.009
2580	0.009
2640	0.009
2700	0.008
2760	0.009
2820	0.009
2880	0.01
2940	0.01
3000	0.01
3060	0.009
3120	0.009
3180	0.008
3240	0.01
3300	0.009
3360	0.01
3420	0.009
3480	0.009
3540	0.008
3600	0.009
3660	0.009
3720	0.01
3780	0.01
3840	0.01
3900	0.011
3960	0.01
4020	0.01
4080	0.009
4140	0.01
4200	0.011
4260	0.009
4320	0.01
4380	0.009
4440	0.008

4500	0.008
4560	0.008
4620	0.008
4680	0.008
4740	0.008
4800	0.008
4860	0.007
4920	0.007
4980	0.007
5040	0.009
5100	0.008
5160	0.007
5220	0.007
5280	0.007
5340	0.01
5400	0.008
5460	0.008
5520	0.008
5580	0.008
5640	0.007
5700	0.007
5760	0.008
5820	0.007
5880	0.007
5940	0.011
6000	0.008
6060	0.007
6120	0.007
6180	0.006
6240	0.006
6300	0.005
6360	0.005
6420	0.005
6480	0.005
6540	0.006
6600	0.006
6660	0.006
6720	0.005
6780	0.005
6840	0.005
6900	0.005
6960	0.006
7020	0.006
7080	0.007
7140	0.008
7200	0.007
7260	0.006

7320	0.006
7380	0.006
7440	0.006
7500	0.006
7560	0.006
7620	0.006
7680	0.006
7740	0.006
7800	0.005
7860	0.008
7920	0.005
7980	0.006
8040	0.005
8100	0.005
8160	0.005
8220	0.006
8280	0.006
8340	0.005
8400	0.006
8460	0.006
8520	0.007
8580	0.007
8640	0.005
8700	0.005
8760	0.005
8820	0.006
8880	0.006
8940	0.006
9000	0.006
9060	0.006
9120	0.006
9180	0.006
9240	0.006
9300	0.006
9360	0.005
9420	0.005
9480	0.006
9540	0.006
9600	0.006
9660	0.006
9720	0.006
9780	0.006
9840	0.007
9900	0.005
9960	0.006
10020	0.006
10080	0.006

10140	0.006
10200	0.006
10260	0.005
10320	0.005
10380	0.005
10440	0.005
10500	0.005
10560	0.005
10620	0.006
10680	0.006
10740	0.006
10800	0.005
10860	0.005
10920	0.006
10980	0.006
11040	0.006
11100	0.006
11160	0.005
11220	0.006
11280	0.006
11340	0.006
11400	0.006
11460	0.006
11520	0.007
11580	0.006
11640	0.006
11700	0.006
11760	0.006
11820	0.006
11880	0.006
11940	0.006
12000	0.006
12060	0.006
12120	0.007
12180	0.006
12240	0.007
12300	0.006
12360	0.007
12420	0.007
12480	0.007
12540	0.006
12600	0.006
12660	0.006
12720	0.006
12780	0.007
12840	0.006
12900	0.006

12960	0.006
13020	0.006
13080	0.006
13140	0.006
13200	0.006
13260	0.007
13320	0.007
13380	0.007
13440	0.006
13500	0.006
13560	0.006
13620	0.006
13680	0.006
13740	0.006
13800	0.006
13860	0.006
13920	0.009
13980	0.006
14040	0.007
14100	0.006
14160	0.006
14220	0.006
14280	0.006
14340	0.006
14400	0.007
14460	0.008
14520	0.007
14580	0.006
14640	0.006
14700	0.006
14760	0.008
14820	0.007
14880	0.007
14940	0.007
15000	0.006
15060	0.007
15120	0.008
15180	0.006
15240	0.007
15300	0.01
15360	0.007
15420	0.006
15480	0.007
15540	0.008
15600	0.008
15660	0.006
15720	0.006

15780	0.005
15840	0.006
15900	0.005
15960	0.006
16020	0.005
16080	0.005
16140	0.006
16200	0.006
16260	0.006
16320	0.007
16380	0.006
16440	0.005
16500	0.005
16560	0.006
16620	0.006
16680	0.006
16740	0.006
16800	0.006
16860	0.005
16920	0.005
16980	0.004
17040	0.005
17100	0.005
17160	0.005
17220	0.005
17280	0.005
17340	0.005
17400	0.005
17460	0.005
17520	0.005
17580	0.006
17640	0.005
17700	0.007
17760	0.006
17820	0.006
17880	0.005
17940	0.005
18000	0.006
18060	0.005
18120	0.005
18180	0.005
18240	0.006
18300	0.007
18360	0.006
18420	0.006
18480	0.007
18540	0.006

18600	0.005
18660	0.005
18720	0.005
18780	0.006
18840	0.006
18900	0.006
18960	0.005
19020	0.005
19080	0.005
19140	0.005
19200	0.005
19260	0.006
19320	0.006
19380	0.006
19440	0.006
19500	0.006
19560	0.006
19620	0.007
19680	0.006
19740	0.006
19800	0.006
19860	0.006
19920	0.006
19980	0.006
20040	0.007
20100	0.007
20160	0.005
20220	0.005
20280	0.006
20340	0.006
20400	0.005
20460	0.005
20520	0.005
20580	0.006
20640	0.005
20700	0.006
20760	0.006
20820	0.006
20880	0.006
20940	0.006
21000	0.006
21060	0.006
21120	0.006
21180	0.006
21240	0.006
21300	0.005
21360	0.018

21420	0.007
21480	0.006
21540	0.005
21600	0.006
21660	0.005
21720	0.005
21780	0.005
21840	0.006
21900	0.005
21960	0.006
22020	0.007
22080	0.006
22140	0.006
22200	0.006
22260	0.006

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530143406
Firmware Version	3.4
Calibration Date	12/19/2016
Test Name	UPWIND060917_003
Test Start Time	7:56:19 AM
Test Start Date	6/9/2017
Test Length [D:H:M]	0:08:12
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.201
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	3.9
Mass TWA [mg/m3]	0.161
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	492

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.016		
120	0.007		
180	0.007		
240	0.008		
300	0.007		
360	0.007		
420	0.029		
480	0.012		
540	0.008		
600	0.007		
660	0.008		
720	0.007		
780	0.007		
840	0.007		
900	0.007		
960	0.007		
1020	0.008		
1080	0.009		
1140	0.008		
1200	0.008		
1260	0.008		
1320	0.007		
1380	0.007		
1440	0.007		
1500	0.008		
1560	0.007		
1620	0.008		

1680	0.007
1740	0.007
1800	0.007
1860	0.006
1920	0.006
1980	0.007
2040	0.007
2100	0.006
2160	0.006
2220	0.006
2280	0.008
2340	0.007
2400	0.007
2460	0.007
2520	0.007
2580	0.008
2640	0.007
2700	0.007
2760	0.007
2820	0.007
2880	0.009
2940	0.008
3000	0.008
3060	0.008
3120	0.016
3180	0.008
3240	0.008
3300	0.008
3360	0.008
3420	0.008
3480	0.008
3540	0.008
3600	0.008
3660	0.008
3720	0.008
3780	0.008
3840	0.01
3900	0.008
3960	0.008
4020	0.008
4080	0.009
4140	0.009
4200	0.007
4260	0.007
4320	0.007
4380	0.008
4440	0.008

4500	0.008
4560	0.008
4620	0.008
4680	0.007
4740	0.007
4800	0.007
4860	0.007
4920	0.008
4980	0.008
5040	0.007
5100	0.007
5160	0.007
5220	0.007
5280	0.007
5340	0.007
5400	0.007
5460	0.007
5520	0.007
5580	0.007
5640	0.007
5700	0.007
5760	0.007
5820	0.007
5880	0.007
5940	0.007
6000	0.006
6060	0.007
6120	0.007
6180	0.008
6240	0.006
6300	0.007
6360	0.007
6420	0.007
6480	0.007
6540	0.007
6600	0.007
6660	0.007
6720	0.007
6780	0.007
6840	0.007
6900	0.006
6960	0.007
7020	0.007
7080	0.007
7140	0.007
7200	0.007
7260	0.006

7320	0.006
7380	0.007
7440	0.006
7500	0.006
7560	0.006
7620	0.006
7680	0.007
7740	0.007
7800	0.007
7860	0.006
7920	0.006
7980	0.006
8040	0.006
8100	0.007
8160	0.007
8220	0.006
8280	0.008
8340	0.006
8400	0.007
8460	0.007
8520	0.006
8580	0.007
8640	0.006
8700	0.007
8760	0.007
8820	0.007
8880	0.007
8940	0.007
9000	0.006
9060	0.007
9120	0.006
9180	0.006
9240	0.007
9300	0.006
9360	0.006
9420	0.006
9480	0.006
9540	0.007
9600	0.006
9660	0.008
9720	0.006
9780	0.006
9840	0.006
9900	0.008
9960	0.006
10020	0.006
10080	0.006

10140	0.006
10200	0.006
10260	0.006
10320	0.006
10380	0.006
10440	0.006
10500	0.007
10560	0.006
10620	0.007
10680	0.007
10740	0.007
10800	0.007
10860	0.009
10920	0.007
10980	0.007
11040	0.006
11100	0.007
11160	0.007
11220	0.008
11280	0.007
11340	0.007
11400	0.008
11460	0.007
11520	0.008
11580	0.007
11640	0.007
11700	0.007
11760	0.006
11820	0.007
11880	0.008
11940	0.006
12000	0.006
12060	0.006
12120	0.006
12180	0.009
12240	0.006
12300	0.013
12360	0.006
12420	0.006
12480	0.008
12540	0.006
12600	0.006
12660	0.006
12720	0.007
12780	0.006
12840	0.007
12900	0.007

12960	0.008
13020	0.006
13080	0.007
13140	0.006
13200	0.006
13260	0.006
13320	0.006
13380	0.006
13440	0.006
13500	0.006
13560	0.006
13620	0.007
13680	0.007
13740	0.006
13800	0.006
13860	0.006
13920	0.007
13980	0.007
14040	0.007
14100	0.006
14160	0.007
14220	0.006
14280	0.007
14340	0.006
14400	0.006
14460	0.009
14520	0.006
14580	0.005
14640	0.006
14700	0.006
14760	0.006
14820	0.006
14880	0.006
14940	0.007
15000	0.006
15060	0.007
15120	0.006
15180	0.007
15240	0.007
15300	0.007
15360	0.006
15420	0.007
15480	0.006
15540	0.005
15600	0.005
15660	0.005
15720	0.004

15780	0.004
15840	0.005
15900	0.005
15960	0.006
16020	0.006
16080	0.006
16140	0.005
16200	0.004
16260	0.005
16320	0.004
16380	0.005
16440	0.004
16500	0.004
16560	0.004
16620	0.004
16680	0.004
16740	0.005
16800	0.004
16860	0.005
16920	0.004
16980	0.009
17040	0.004
17100	0.005
17160	0.004
17220	0.005
17280	0.006
17340	0.005
17400	0.005
17460	0.005
17520	0.005
17580	0.005
17640	0.005
17700	0.005
17760	0.004
17820	0.005
17880	0.004
17940	0.005
18000	0.004
18060	0.005
18120	0.004
18180	0.005
18240	0.005
18300	0.004
18360	0.004
18420	0.004
18480	0.004
18540	0.005

18600	0.004
18660	0.004
18720	0.004
18780	0.004
18840	0.004
18900	0.005
18960	0.005
19020	0.005
19080	0.005
19140	0.005
19200	0.005
19260	0.007
19320	0.006
19380	0.005
19440	0.006
19500	0.006
19560	0.005
19620	0.005
19680	0.004
19740	0.005
19800	0.005
19860	0.004
19920	0.004
19980	0.004
20040	0.004
20100	0.004
20160	0.004
20220	0.004
20280	0.005
20340	0.005
20400	0.004
20460	0.005
20520	0.004
20580	0.006
20640	0.005
20700	0.005
20760	0.004
20820	0.004
20880	0.005
20940	0.005
21000	0.005
21060	0.004
21120	0.004
21180	0.008
21240	0.006
21300	0.004
21360	0.004

21420	0.007
21480	0.008
21540	0.006
21600	0.007
21660	0.007
21720	0.007
21780	0.006
21840	0.007
21900	0.008
21960	0.005
22020	0.007
22080	0.006
22140	0.006
22200	0.005
22260	0.009
22320	0.009
22380	0.006
22440	0.007
22500	0.006
22560	0.009
22620	0.005
22680	0.005
22740	0.014
22800	0.008
22860	0.006
22920	0.005
22980	0.006
23040	0.006
23100	0.005
23160	0.006
23220	0.008
23280	0.011
23340	0.006
23400	0.007
23460	0.006
23520	0.006
23580	0.005
23640	0.004
23700	0.005
23760	0.004
23820	0.004
23880	0.004
23940	0.004
24000	0.005
24060	0.004
24120	0.005
24180	0.005

24240	0.003	
24300	0.004	
24360	0.004	
24420	0.004	
24480	0.003	
24540	0.005	
24600	0.004	
24660	0.004	
24720	0.003	
24780	0.004	
24840	0.004	
24900	0.005	
24960	0.008	
25020	0.01	
25080	0.007	
25140	0.006	
25200	0.007	
25260	0.009	
25320	0.006	
25380	0.005	
25440	0.006	
25500	0.009	
25560	0.005	
25620	0.006	
25680	0.007	
25740	0.006	
25800	0.007	
25860	0.004	
25920	0.005	
25980	0.005	
26040	0.009	
26100	0.01	
26160	0.008	
26220	0.007	
26280	0.006	
26340	0.004	
26400	0.004	
26460	0.004	
26520	0.003	
26580	0.004	
26640	0.005	
26700	0.923	1;2
26760	3.9	1;2
26820	2.24	1;2
26880	2.2	1;2
26940	2.14	1;2
27000	2.13	1;2

27060	2.13	1;2
27120	2.12	1;2
27180	2.05	1;2
27240	2.09	1;2
27300	2.09	1;2
27360	2.09	1;2
27420	2.03	1;2
27480	2	1;2
27540	2.11	1;2
27600	2.09	1;2
27660	2.08	1;2
27720	2.03	1;2
27780	1.97	1;2
27840	1.94	1;2
27900	1.92	1;2
27960	1.99	1;2
28020	2.05	1;2
28080	2.04	1;2
28140	2.05	1;2
28200	2.02	1;2
28260	2.01	1;2
28320	2.04	1;2
28380	2.04	1;2
28440	2.07	1;2
28500	2.04	1;2
28560	1.98	1;2
28620	1.98	1;2
28680	2.01	1;2
28740	2	1;2
28800	2.02	1;2
28860	1.95	1;2
28920	1.89	1;2
28980	1.8	1;2
29040	1.81	1;2
29100	1.76	1;2
29160	1.75	1;2
29220	1.74	1;2
29280	1.73	1;2
29340	1.73	1;2
29400	1.73	1;2
29460	1.73	1;2
29520	1.73	1;2

17/11/21 08:58

Summary

Unit Name	MiniRAE 3000
Unit SN	592-912937
Unit Firmware Ver	V1.20A
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2017/11/21 08:58:31
End	2017/11/21 17:37:46
Sample Period(s)	60
Number of Records	519
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	50.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2017/11/16 14:16
Peak	0.123
Min	0.000
Average	0.043

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2017/11/21 08:59:31	0.000	0.000	0.000
002	2017/11/21 09:00:31	0.000	0.000	0.000
003	2017/11/21 09:01:31	0.000	0.000	0.000
004	2017/11/21 09:02:31	0.000	0.000	0.000
005	2017/11/21 09:03:31	0.000	0.000	0.000
006	2017/11/21 09:04:31	0.000	0.000	0.000
007	2017/11/21 09:05:31	0.000	0.000	0.000
008	2017/11/21 09:06:31	0.000	0.000	0.000
009	2017/11/21 09:07:31	0.000	0.000	0.000
010	2017/11/21 09:08:31	0.000	0.000	0.000
011	2017/11/21 09:09:31	0.000	0.002	0.000
012	2017/11/21 09:10:31	0.000	0.000	0.000
013	2017/11/21 09:11:31	0.000	0.000	0.000
014	2017/11/21 09:12:31	0.000	0.000	0.000
015	2017/11/21 09:13:31	0.000	0.000	0.000
016	2017/11/21 09:14:31	0.000	0.000	0.000
017	2017/11/21 09:15:31	0.000	0.000	0.000
018	2017/11/21 09:16:31	0.000	0.000	0.000
019	2017/11/21 09:17:31	0.000	0.000	0.000
020	2017/11/21 09:18:31	0.000	0.000	0.000
021	2017/11/21 09:19:31	0.000	0.000	0.000
022	2017/11/21 09:20:31	0.000	0.000	0.000

023	2017/11/21 09:21:31	0.000	0.001	0.001
024	2017/11/21 09:22:31	0.001	0.004	0.004
025	2017/11/21 09:23:31	0.003	0.010	0.008
026	2017/11/21 09:24:31	0.005	0.011	0.002
027	2017/11/21 09:25:31	0.004	0.007	0.003
028	2017/11/21 09:26:31	0.004	0.009	0.007
029	2017/11/21 09:27:31	0.008	0.012	0.012
030	2017/11/21 09:28:31	0.010	0.014	0.014
031	2017/11/21 09:29:31	0.011	0.015	0.013
032	2017/11/21 09:30:31	0.013	0.018	0.013
033	2017/11/21 09:31:31	0.014	0.018	0.015
034	2017/11/21 09:32:31	0.017	0.034	0.034
035	2017/11/21 09:33:31	0.023	0.037	0.030
036	2017/11/21 09:34:31	0.023	0.033	0.025
037	2017/11/21 09:35:31	0.024	0.029	0.022
038	2017/11/21 09:36:31	0.024	0.028	0.027
039	2017/11/21 09:37:31	0.025	0.029	0.025
040	2017/11/21 09:38:31	0.026	0.031	0.025
041	2017/11/21 09:39:31	0.027	0.032	0.031
042	2017/11/21 09:40:31	0.028	0.033	0.032
043	2017/11/21 09:41:31	0.029	0.033	0.027
044	2017/11/21 09:42:31	0.031	0.035	0.027
045	2017/11/21 09:43:31	0.030	0.036	0.033
046	2017/11/21 09:44:31	0.032	0.035	0.032
047	2017/11/21 09:45:31	0.031	0.037	0.033
048	2017/11/21 09:46:31	0.035	0.041	0.035
049	2017/11/21 09:47:31	0.034	0.039	0.036
050	2017/11/21 09:48:31	0.034	0.038	0.035
051	2017/11/21 09:49:31	0.034	0.038	0.035
052	2017/11/21 09:50:31	0.036	0.040	0.035
053	2017/11/21 09:51:31	0.036	0.040	0.029
054	2017/11/21 09:52:31	0.036	0.041	0.038
055	2017/11/21 09:53:31	0.039	0.044	0.042
056	2017/11/21 09:54:31	0.039	0.045	0.040
057	2017/11/21 09:55:31	0.039	0.045	0.045
058	2017/11/21 09:56:31	0.042	0.048	0.046
059	2017/11/21 09:57:31	0.041	0.046	0.039
060	2017/11/21 09:58:31	0.040	0.047	0.041
061	2017/11/21 09:59:31	0.042	0.047	0.045
062	2017/11/21 10:00:31	0.043	0.048	0.041
063	2017/11/21 10:01:31	0.043	0.048	0.047
064	2017/11/21 10:02:31	0.044	0.050	0.043
065	2017/11/21 10:03:31	0.044	0.049	0.045
066	2017/11/21 10:04:31	0.045	0.051	0.045
067	2017/11/21 10:05:31	0.046	0.051	0.047
068	2017/11/21 10:06:31	0.046	0.051	0.044
069	2017/11/21 10:07:31	0.047	0.051	0.050
070	2017/11/21 10:08:31	0.048	0.055	0.048
071	2017/11/21 10:09:31	0.048	0.053	0.048
072	2017/11/21 10:10:31	0.050	0.054	0.052
073	2017/11/21 10:11:31	0.051	0.058	0.053
074	2017/11/21 10:12:31	0.051	0.056	0.051
075	2017/11/21 10:13:31	0.052	0.057	0.051
076	2017/11/21 10:14:31	0.053	0.058	0.052
077	2017/11/21 10:15:31	0.054	0.059	0.051
078	2017/11/21 10:16:31	0.055	0.061	0.052
079	2017/11/21 10:17:31	0.070	0.076	0.075
080	2017/11/21 10:18:31	0.074	0.079	0.076
081	2017/11/21 10:19:31	0.075	0.077	0.074
082	2017/11/21 10:20:31	0.075	0.078	0.077
083	2017/11/21 10:21:31	0.075	0.078	0.074
084	2017/11/21 10:22:31	0.076	0.078	0.077
085	2017/11/21 10:23:31	0.076	0.080	0.076

086	2017/11/21 10:24:31	0.077	0.081	0.079
087	2017/11/21 10:25:31	0.078	0.082	0.079
088	2017/11/21 10:26:31	0.078	0.082	0.081
089	2017/11/21 10:27:31	0.079	0.082	0.078
090	2017/11/21 10:28:31	0.080	0.084	0.084
091	2017/11/21 10:29:31	0.081	0.084	0.081
092	2017/11/21 10:30:31	0.081	0.085	0.081
093	2017/11/21 10:31:31	0.080	0.083	0.080
094	2017/11/21 10:32:31	0.081	0.084	0.081
095	2017/11/21 10:33:31	0.082	0.085	0.084
096	2017/11/21 10:34:31	0.083	0.085	0.084
097	2017/11/21 10:35:31	0.083	0.086	0.086
098	2017/11/21 10:36:31	0.086	0.094	0.087
099	2017/11/21 10:37:31	0.084	0.093	0.093
100	2017/11/21 10:38:31	0.086	0.094	0.086
101	2017/11/21 10:39:31	0.084	0.085	0.084
102	2017/11/21 10:40:31	0.084	0.088	0.085
103	2017/11/21 10:41:31	0.085	0.087	0.085
104	2017/11/21 10:42:31	0.086	0.089	0.086
105	2017/11/21 10:43:31	0.085	0.087	0.085
106	2017/11/21 10:44:31	0.085	0.086	0.085
107	2017/11/21 10:45:31	0.085	0.092	0.086
108	2017/11/21 10:46:31	0.084	0.086	0.084
109	2017/11/21 10:47:31	0.086	0.089	0.087
110	2017/11/21 10:48:31	0.084	0.086	0.085
111	2017/11/21 10:49:31	0.084	0.087	0.083
112	2017/11/21 10:50:31	0.084	0.088	0.084
113	2017/11/21 10:51:31	0.086	0.091	0.091
114	2017/11/21 10:52:31	0.085	0.091	0.082
115	2017/11/21 10:53:31	0.081	0.085	0.082
116	2017/11/21 10:54:31	0.081	0.084	0.081
117	2017/11/21 10:55:31	0.081	0.084	0.079
118	2017/11/21 10:56:31	0.081	0.084	0.083
119	2017/11/21 10:57:31	0.080	0.083	0.081
120	2017/11/21 10:58:31	0.079	0.081	0.080
121	2017/11/21 10:59:31	0.079	0.083	0.079
122	2017/11/21 11:00:31	0.079	0.082	0.082
123	2017/11/21 11:01:31	0.081	0.085	0.080
124	2017/11/21 11:02:31	0.079	0.084	0.079
125	2017/11/21 11:03:31	0.077	0.081	0.075
126	2017/11/21 11:04:31	0.075	0.077	0.076
127	2017/11/21 11:05:31	0.078	0.081	0.080
128	2017/11/21 11:06:31	0.076	0.080	0.075
129	2017/11/21 11:07:31	0.076	0.079	0.074
130	2017/11/21 11:08:31	0.076	0.081	0.076
131	2017/11/21 11:09:31	0.074	0.076	0.074
132	2017/11/21 11:10:31	0.073	0.077	0.075
133	2017/11/21 11:11:31	0.074	0.076	0.073
134	2017/11/21 11:12:31	0.073	0.078	0.072
135	2017/11/21 11:13:31	0.072	0.075	0.072
136	2017/11/21 11:14:31	0.073	0.077	0.074
137	2017/11/21 11:15:31	0.074	0.076	0.075
138	2017/11/21 11:16:31	0.074	0.077	0.077
139	2017/11/21 11:17:31	0.074	0.078	0.074
140	2017/11/21 11:18:31	0.074	0.077	0.072
141	2017/11/21 11:19:31	0.072	0.074	0.072
142	2017/11/21 11:20:31	0.072	0.074	0.073
143	2017/11/21 11:21:31	0.072	0.074	0.072
144	2017/11/21 11:22:31	0.072	0.074	0.073
145	2017/11/21 11:23:31	0.072	0.075	0.072
146	2017/11/21 11:24:31	0.072	0.076	0.073
147	2017/11/21 11:25:31	0.073	0.077	0.071
148	2017/11/21 11:26:31	0.073	0.077	0.073

149	2017/11/21	11:27:31	0.072	0.076	0.071
150	2017/11/21	11:28:31	0.072	0.075	0.074
151	2017/11/21	11:29:31	0.072	0.076	0.074
152	2017/11/21	11:30:31	0.072	0.076	0.073
153	2017/11/21	11:31:31	0.072	0.076	0.073
154	2017/11/21	11:32:31	0.075	0.078	0.072
155	2017/11/21	11:33:31	0.072	0.075	0.072
156	2017/11/21	11:34:31	0.071	0.073	0.072
157	2017/11/21	11:35:31	0.071	0.075	0.069
158	2017/11/21	11:36:31	0.076	0.084	0.084
159	2017/11/21	11:37:31	0.079	0.088	0.079
160	2017/11/21	11:38:31	0.078	0.083	0.079
161	2017/11/21	11:39:31	0.079	0.082	0.080
162	2017/11/21	11:40:31	0.078	0.081	0.078
163	2017/11/21	11:41:31	0.078	0.081	0.078
164	2017/11/21	11:42:31	0.078	0.082	0.077
165	2017/11/21	11:43:31	0.077	0.079	0.079
166	2017/11/21	11:44:31	0.079	0.083	0.078
167	2017/11/21	11:45:31	0.081	0.085	0.081
168	2017/11/21	11:46:31	0.079	0.084	0.084
169	2017/11/21	11:47:31	0.079	0.083	0.080
170	2017/11/21	11:48:31	0.080	0.084	0.078
171	2017/11/21	11:49:31	0.078	0.081	0.077
172	2017/11/21	11:50:31	0.078	0.083	0.078
173	2017/11/21	11:51:31	0.078	0.080	0.077
174	2017/11/21	11:52:31	0.078	0.081	0.079
175	2017/11/21	11:53:31	0.079	0.082	0.077
176	2017/11/21	11:54:31	0.078	0.080	0.077
177	2017/11/21	11:55:31	0.078	0.083	0.079
178	2017/11/21	11:56:31	0.078	0.079	0.077
179	2017/11/21	11:57:31	0.078	0.082	0.077
180	2017/11/21	11:58:31	0.076	0.078	0.078
181	2017/11/21	11:59:31	0.076	0.080	0.078
182	2017/11/21	12:00:31	0.077	0.079	0.078
183	2017/11/21	12:01:31	0.078	0.083	0.081
184	2017/11/21	12:02:31	0.079	0.082	0.080
185	2017/11/21	12:03:31	0.077	0.080	0.078
186	2017/11/21	12:04:31	0.078	0.080	0.079
187	2017/11/21	12:05:31	0.076	0.079	0.075
188	2017/11/21	12:06:31	0.076	0.079	0.078
189	2017/11/21	12:07:31	0.077	0.082	0.079
190	2017/11/21	12:08:31	0.077	0.080	0.078
191	2017/11/21	12:09:31	0.077	0.079	0.076
192	2017/11/21	12:10:31	0.077	0.079	0.079
193	2017/11/21	12:11:31	0.076	0.079	0.077
194	2017/11/21	12:12:31	0.076	0.079	0.076
195	2017/11/21	12:13:31	0.075	0.076	0.073
196	2017/11/21	12:14:31	0.075	0.077	0.074
197	2017/11/21	12:15:31	0.075	0.078	0.074
198	2017/11/21	12:16:31	0.075	0.077	0.077
199	2017/11/21	12:17:31	0.076	0.080	0.076
200	2017/11/21	12:18:31	0.074	0.078	0.075
201	2017/11/21	12:19:31	0.076	0.081	0.077
202	2017/11/21	12:20:31	0.077	0.081	0.080
203	2017/11/21	12:21:31	0.076	0.080	0.076
204	2017/11/21	12:22:31	0.075	0.079	0.074
205	2017/11/21	12:23:31	0.074	0.076	0.074
206	2017/11/21	12:24:31	0.076	0.080	0.077
207	2017/11/21	12:25:31	0.076	0.080	0.071
208	2017/11/21	12:26:31	0.078	0.082	0.077
209	2017/11/21	12:27:31	0.074	0.079	0.078
210	2017/11/21	12:28:31	0.075	0.080	0.080
211	2017/11/21	12:29:31	0.075	0.079	0.074

212	2017/11/21 12:30:31	0.074	0.078	0.073
213	2017/11/21 12:31:31	0.066	0.076	0.065
214	2017/11/21 12:32:31	0.062	0.066	0.058
215	2017/11/21 12:33:31	0.064	0.072	0.064
216	2017/11/21 12:34:31	0.062	0.067	0.060
217	2017/11/21 12:35:31	0.062	0.066	0.062
218	2017/11/21 12:36:31	0.064	0.068	0.067
219	2017/11/21 12:37:31	0.065	0.070	0.068
220	2017/11/21 12:38:31	0.067	0.073	0.065
221	2017/11/21 12:39:31	0.066	0.073	0.067
222	2017/11/21 12:40:31	0.066	0.071	0.068
223	2017/11/21 12:41:31	0.066	0.071	0.069
224	2017/11/21 12:42:31	0.068	0.074	0.067
225	2017/11/21 12:43:31	0.067	0.073	0.065
226	2017/11/21 12:44:31	0.067	0.074	0.066
227	2017/11/21 12:45:31	0.065	0.071	0.067
228	2017/11/21 12:46:31	0.067	0.072	0.070
229	2017/11/21 12:47:31	0.068	0.077	0.067
230	2017/11/21 12:48:31	0.067	0.071	0.067
231	2017/11/21 12:49:31	0.066	0.073	0.073
232	2017/11/21 12:50:31	0.068	0.075	0.070
233	2017/11/21 12:51:31	0.065	0.071	0.066
234	2017/11/21 12:52:31	0.067	0.070	0.068
235	2017/11/21 12:53:31	0.079	0.144	0.067
236	2017/11/21 12:54:31	0.066	0.070	0.068
237	2017/11/21 12:55:31	0.067	0.073	0.062
238	2017/11/21 12:56:31	0.064	0.071	0.063
239	2017/11/21 12:57:31	0.065	0.069	0.063
240	2017/11/21 12:58:31	0.067	0.074	0.070
241	2017/11/21 12:59:31	0.066	0.071	0.067
242	2017/11/21 13:00:31	0.067	0.074	0.066
243	2017/11/21 13:01:31	0.066	0.070	0.069
244	2017/11/21 13:02:31	0.072	0.079	0.067
245	2017/11/21 13:03:31	0.070	0.077	0.075
246	2017/11/21 13:04:31	0.072	0.076	0.074
247	2017/11/21 13:05:31	0.074	0.079	0.074
248	2017/11/21 13:06:31	0.077	0.083	0.078
249	2017/11/21 13:07:31	0.079	0.086	0.074
250	2017/11/21 13:08:31	0.077	0.081	0.078
251	2017/11/21 13:09:31	0.079	0.085	0.079
252	2017/11/21 13:10:31	0.081	0.086	0.086
253	2017/11/21 13:11:31	0.082	0.087	0.082
254	2017/11/21 13:12:31	0.084	0.088	0.087
255	2017/11/21 13:13:31	0.087	0.091	0.091
256	2017/11/21 13:14:31	0.087	0.093	0.086
257	2017/11/21 13:15:31	0.087	0.091	0.086
258	2017/11/21 13:16:31	0.090	0.096	0.093
259	2017/11/21 13:17:31	0.096	0.100	0.097
260	2017/11/21 13:18:31	0.098	0.103	0.099
261	2017/11/21 13:19:31	0.100	0.106	0.101
262	2017/11/21 13:20:31	0.103	0.108	0.103
263	2017/11/21 13:21:31	0.105	0.111	0.105
264	2017/11/21 13:22:31	0.108	0.114	0.105
265	2017/11/21 13:23:31	0.108	0.112	0.110
266	2017/11/21 13:24:31	0.111	0.117	0.111
267	2017/11/21 13:25:31	0.114	0.120	0.118
268	2017/11/21 13:26:31	0.114	0.120	0.117
269	2017/11/21 13:27:31	0.112	0.117	0.115
270	2017/11/21 13:28:31	0.113	0.117	0.112
271	2017/11/21 13:29:31	0.114	0.119	0.117
272	2017/11/21 13:30:31	0.114	0.118	0.111
273	2017/11/21 13:31:31	0.113	0.117	0.116
274	2017/11/21 13:32:31	0.115	0.119	0.114

275	2017/11/21	13:33:31	0.115	0.121	0.113
276	2017/11/21	13:34:31	0.114	0.119	0.116
277	2017/11/21	13:35:31	0.116	0.122	0.114
278	2017/11/21	13:36:31	0.114	0.118	0.110
279	2017/11/21	13:37:31	0.116	0.124	0.118
280	2017/11/21	13:38:31	0.115	0.119	0.118
281	2017/11/21	13:39:31	0.115	0.120	0.120
282	2017/11/21	13:40:31	0.116	0.122	0.114
283	2017/11/21	13:41:31	0.114	0.119	0.115
284	2017/11/21	13:42:31	0.116	0.123	0.115
285	2017/11/21	13:43:31	0.117	0.124	0.113
286	2017/11/21	13:44:31	0.118	0.122	0.119
287	2017/11/21	13:45:31	0.120	0.125	0.120
288	2017/11/21	13:46:31	0.120	0.126	0.123
289	2017/11/21	13:47:31	0.119	0.125	0.123
290	2017/11/21	13:48:31	0.118	0.123	0.116
291	2017/11/21	13:49:31	0.118	0.123	0.118
292	2017/11/21	13:50:31	0.116	0.122	0.117
293	2017/11/21	13:51:31	0.117	0.122	0.117
294	2017/11/21	13:52:31	0.131	0.216	0.118
295	2017/11/21	13:53:31	0.115	0.121	0.120
296	2017/11/21	13:54:31	0.111	0.120	0.113
297	2017/11/21	13:55:31	0.109	0.114	0.114
298	2017/11/21	13:56:31	0.107	0.115	0.105
299	2017/11/21	13:57:31	0.105	0.112	0.099
300	2017/11/21	13:58:31	0.099	0.104	0.097
301	2017/11/21	13:59:31	0.092	0.100	0.093
302	2017/11/21	14:00:31	0.086	0.093	0.082
303	2017/11/21	14:01:31	0.078	0.088	0.073
304	2017/11/21	14:02:31	0.076	0.082	0.073
305	2017/11/21	14:03:31	0.073	0.080	0.074
306	2017/11/21	14:04:31	0.070	0.086	0.076
307	2017/11/21	14:05:31	0.069	0.077	0.070
308	2017/11/21	14:06:31	0.070	0.075	0.072
309	2017/11/21	14:07:31	0.071	0.078	0.074
310	2017/11/21	14:08:31	0.070	0.077	0.070
311	2017/11/21	14:09:31	0.068	0.073	0.065
312	2017/11/21	14:10:31	0.067	0.076	0.068
313	2017/11/21	14:11:31	0.078	0.147	0.068
314	2017/11/21	14:12:31	0.065	0.071	0.064
315	2017/11/21	14:13:31	0.063	0.067	0.063
316	2017/11/21	14:14:31	0.060	0.065	0.060
317	2017/11/21	14:15:31	0.058	0.062	0.057
318	2017/11/21	14:16:31	0.055	0.058	0.056
319	2017/11/21	14:17:31	0.054	0.058	0.056
320	2017/11/21	14:18:31	0.052	0.055	0.054
321	2017/11/21	14:19:31	0.049	0.055	0.050
322	2017/11/21	14:20:31	0.048	0.051	0.049
323	2017/11/21	14:21:31	0.047	0.050	0.046
324	2017/11/21	14:22:31	0.045	0.049	0.045
325	2017/11/21	14:23:31	0.043	0.047	0.044
326	2017/11/21	14:24:31	0.042	0.045	0.042
327	2017/11/21	14:25:31	0.039	0.042	0.038
328	2017/11/21	14:26:31	0.035	0.040	0.035
329	2017/11/21	14:27:31	0.032	0.037	0.031
330	2017/11/21	14:28:31	0.029	0.033	0.029
331	2017/11/21	14:29:31	0.028	0.031	0.026
332	2017/11/21	14:30:31	0.024	0.028	0.023
333	2017/11/21	14:31:31	0.023	0.027	0.022
334	2017/11/21	14:32:31	0.022	0.024	0.021
335	2017/11/21	14:33:31	0.022	0.025	0.019
336	2017/11/21	14:34:31	0.021	0.023	0.022
337	2017/11/21	14:35:31	0.022	0.025	0.020

338	2017/11/21	14:36:31	0.021	0.024	0.022
339	2017/11/21	14:37:31	0.020	0.022	0.021
340	2017/11/21	14:38:31	0.020	0.023	0.019
341	2017/11/21	14:39:31	0.020	0.023	0.020
342	2017/11/21	14:40:31	0.020	0.023	0.020
343	2017/11/21	14:41:31	0.020	0.022	0.019
344	2017/11/21	14:42:31	0.019	0.021	0.019
345	2017/11/21	14:43:31	0.019	0.027	0.018
346	2017/11/21	14:44:31	0.019	0.024	0.017
347	2017/11/21	14:45:31	0.017	0.020	0.018
348	2017/11/21	14:46:31	0.016	0.019	0.018
349	2017/11/21	14:47:31	0.015	0.019	0.014
350	2017/11/21	14:48:31	0.013	0.016	0.015
351	2017/11/21	14:49:31	0.012	0.014	0.013
352	2017/11/21	14:50:31	0.011	0.014	0.010
353	2017/11/21	14:51:31	0.011	0.014	0.010
354	2017/11/21	14:52:31	0.008	0.012	0.007
355	2017/11/21	14:53:31	0.007	0.010	0.007
356	2017/11/21	14:54:31	0.006	0.011	0.010
357	2017/11/21	14:55:31	0.005	0.011	0.005
358	2017/11/21	14:56:31	0.003	0.006	0.003
359	2017/11/21	14:57:31	0.002	0.006	0.003
360	2017/11/21	14:58:31	0.003	0.006	0.004
361	2017/11/21	14:59:31	0.001	0.004	0.001
362	2017/11/21	15:00:31	0.000	0.003	0.000
363	2017/11/21	15:01:31	0.000	0.002	0.001
364	2017/11/21	15:02:31	0.000	0.002	0.000
365	2017/11/21	15:03:31	0.000	0.000	0.000
366	2017/11/21	15:04:31	0.000	0.000	0.000
367	2017/11/21	15:05:31	0.000	0.000	0.000
368	2017/11/21	15:06:31	0.000	0.000	0.000
369	2017/11/21	15:07:31	0.000	0.000	0.000
370	2017/11/21	15:08:31	0.000	0.000	0.000
371	2017/11/21	15:09:31	0.000	0.000	0.000
372	2017/11/21	15:10:31	0.000	0.000	0.000
373	2017/11/21	15:11:31	0.000	0.000	0.000
374	2017/11/21	15:12:31	0.000	0.000	0.000
375	2017/11/21	15:13:31	0.000	0.000	0.000
376	2017/11/21	15:14:31	0.000	0.000	0.000
377	2017/11/21	15:15:31	0.000	0.000	0.000
378	2017/11/21	15:16:31	0.000	0.000	0.000
379	2017/11/21	15:17:31	0.000	0.000	0.000
380	2017/11/21	15:18:31	0.000	0.000	0.000
381	2017/11/21	15:19:31	0.000	0.000	0.000
382	2017/11/21	15:20:31	0.000	0.000	0.000
383	2017/11/21	15:21:31	0.000	0.000	0.000
384	2017/11/21	15:22:31	0.000	0.000	0.000
385	2017/11/21	15:23:31	0.000	0.000	0.000
386	2017/11/21	15:24:31	0.000	0.000	0.000
387	2017/11/21	15:25:31	0.000	0.000	0.000
388	2017/11/21	15:26:31	0.000	0.000	0.000
389	2017/11/21	15:27:31	0.000	0.000	0.000
390	2017/11/21	15:28:31	0.000	0.000	0.000
391	2017/11/21	15:29:31	0.000	0.000	0.000
392	2017/11/21	15:30:31	0.000	0.000	0.000
393	2017/11/21	15:31:31	0.000	0.000	0.000
394	2017/11/21	15:32:31	0.000	0.000	0.000
395	2017/11/21	15:33:31	0.000	0.000	0.000
396	2017/11/21	15:34:31	0.000	0.000	0.000
397	2017/11/21	15:35:31	0.000	0.000	0.000
398	2017/11/21	15:36:31	0.000	0.000	0.000
399	2017/11/21	15:37:31	0.000	0.000	0.000
400	2017/11/21	15:38:31	0.000	0.000	0.000

401	2017/11/21	15:39:31	0.000	0.000	0.000
402	2017/11/21	15:40:31	0.000	0.000	0.000
403	2017/11/21	15:41:31	0.000	0.000	0.000
404	2017/11/21	15:42:31	0.000	0.000	0.000
405	2017/11/21	15:43:31	0.000	0.000	0.000
406	2017/11/21	15:44:31	0.000	0.000	0.000
407	2017/11/21	15:45:31	0.000	0.000	0.000
408	2017/11/21	15:46:31	0.000	0.000	0.000
409	2017/11/21	15:47:31	0.000	0.000	0.000
410	2017/11/21	15:48:31	0.000	0.000	0.000
411	2017/11/21	15:49:31	0.000	0.000	0.000
412	2017/11/21	15:50:31	0.000	0.000	0.000
413	2017/11/21	15:51:31	0.000	0.000	0.000
414	2017/11/21	15:52:31	0.000	0.000	0.000
415	2017/11/21	15:53:31	0.000	0.000	0.000
416	2017/11/21	15:54:31	0.000	0.000	0.000
417	2017/11/21	15:55:31	0.000	0.000	0.000
418	2017/11/21	15:56:31	0.000	0.000	0.000
419	2017/11/21	15:57:31	0.000	0.000	0.000
420	2017/11/21	15:58:31	0.000	0.000	0.000
421	2017/11/21	15:59:31	0.000	0.000	0.000
422	2017/11/21	16:00:31	0.000	0.000	0.000
423	2017/11/21	16:01:31	0.000	0.000	0.000
424	2017/11/21	16:02:31	0.000	0.000	0.000
425	2017/11/21	16:03:31	0.000	0.000	0.000
426	2017/11/21	16:04:31	0.000	0.000	0.000
427	2017/11/21	16:05:31	0.000	0.000	0.000
428	2017/11/21	16:06:31	0.000	0.000	0.000
429	2017/11/21	16:07:31	0.000	0.000	0.000
430	2017/11/21	16:08:31	0.000	0.000	0.000
431	2017/11/21	16:09:31	0.000	0.000	0.000
432	2017/11/21	16:10:31	0.000	0.000	0.000
433	2017/11/21	16:11:31	0.000	0.000	0.000
434	2017/11/21	16:12:31	0.000	0.000	0.000
435	2017/11/21	16:13:31	0.000	0.000	0.000
436	2017/11/21	16:14:31	0.000	0.000	0.000
437	2017/11/21	16:15:31	0.000	0.000	0.000
438	2017/11/21	16:16:31	0.000	0.000	0.000
439	2017/11/21	16:17:31	0.000	0.000	0.000
440	2017/11/21	16:18:31	0.000	0.000	0.000
441	2017/11/21	16:19:31	0.000	0.000	0.000
442	2017/11/21	16:20:31	0.000	0.000	0.000
443	2017/11/21	16:21:31	0.000	0.000	0.000
444	2017/11/21	16:22:31	0.000	0.000	0.000
445	2017/11/21	16:23:31	0.000	0.000	0.000
446	2017/11/21	16:24:31	0.000	0.000	0.000
447	2017/11/21	16:25:31	0.000	0.000	0.000
448	2017/11/21	16:26:31	0.000	0.000	0.000
449	2017/11/21	16:27:31	0.000	0.000	0.000
450	2017/11/21	16:28:31	0.000	0.000	0.000
451	2017/11/21	16:29:31	0.000	0.000	0.000
452	2017/11/21	16:30:31	0.000	0.000	0.000
453	2017/11/21	16:31:31	0.000	0.000	0.000
454	2017/11/21	16:32:31	0.000	0.000	0.000
455	2017/11/21	16:33:31	0.000	0.000	0.000
456	2017/11/21	16:34:31	0.000	0.000	0.000
457	2017/11/21	16:35:31	0.000	0.000	0.000
458	2017/11/21	16:36:31	0.000	0.000	0.000
459	2017/11/21	16:37:31	0.000	0.000	0.000
460	2017/11/21	16:38:31	0.000	0.000	0.000
461	2017/11/21	16:39:31	0.000	0.000	0.000
462	2017/11/21	16:40:31	0.000	0.000	0.000
463	2017/11/21	16:41:31	0.000	0.000	0.000

464	2017/11/21 16:42:31	0.000	0.000	0.000
465	2017/11/21 16:43:31	0.000	0.000	0.000
466	2017/11/21 16:44:31	0.000	0.000	0.000
467	2017/11/21 16:45:31	0.000	0.000	0.000
468	2017/11/21 16:46:31	0.000	0.000	0.000
469	2017/11/21 16:47:31	0.000	0.000	0.000
470	2017/11/21 16:48:31	0.000	0.000	0.000
471	2017/11/21 16:49:31	0.000	0.000	0.000
472	2017/11/21 16:50:31	0.000	0.000	0.000
473	2017/11/21 16:51:31	0.000	0.000	0.000
474	2017/11/21 16:52:31	0.000	0.000	0.000
475	2017/11/21 16:53:31	0.000	0.000	0.000
476	2017/11/21 16:54:31	0.000	0.000	0.000
477	2017/11/21 16:55:31	0.000	0.000	0.000
478	2017/11/21 16:56:31	0.000	0.000	0.000
479	2017/11/21 16:57:31	0.000	0.000	0.000
480	2017/11/21 16:58:31	0.000	0.000	0.000
481	2017/11/21 16:59:31	0.000	0.000	0.000
482	2017/11/21 17:00:31	0.000	0.000	0.000
483	2017/11/21 17:01:31	0.000	0.000	0.000
484	2017/11/21 17:02:31	0.000	0.000	0.000
485	2017/11/21 17:03:31	0.000	0.000	0.000
486	2017/11/21 17:04:31	0.000	0.000	0.000
487	2017/11/21 17:05:31	0.000	0.000	0.000
488	2017/11/21 17:06:31	0.000	0.000	0.000
489	2017/11/21 17:07:31	0.000	0.000	0.000
490	2017/11/21 17:08:31	0.000	0.000	0.000
491	2017/11/21 17:09:31	0.000	0.000	0.000
492	2017/11/21 17:10:31	0.000	0.000	0.000
493	2017/11/21 17:11:31	0.000	0.000	0.000
494	2017/11/21 17:12:31	0.000	0.000	0.000
495	2017/11/21 17:13:31	0.000	0.000	0.000
496	2017/11/21 17:14:31	0.000	0.000	0.000
497	2017/11/21 17:15:31	0.000	0.000	0.000
498	2017/11/21 17:16:31	0.000	0.000	0.000
499	2017/11/21 17:17:31	0.000	0.000	0.000
500	2017/11/21 17:18:31	0.000	0.000	0.000
501	2017/11/21 17:19:31	0.000	0.000	0.000
502	2017/11/21 17:20:31	0.000	0.000	0.000
503	2017/11/21 17:21:31	0.000	0.000	0.000
504	2017/11/21 17:22:31	0.000	0.000	0.000
505	2017/11/21 17:23:31	0.000	0.000	0.000
506	2017/11/21 17:24:31	0.000	0.000	0.000
507	2017/11/21 17:25:31	0.000	0.000	0.000
508	2017/11/21 17:26:31	0.000	0.000	0.000
509	2017/11/21 17:27:31	0.000	0.000	0.000
510	2017/11/21 17:28:31	0.000	0.000	0.000
511	2017/11/21 17:29:31	0.000	0.000	0.000
512	2017/11/21 17:30:31	0.000	0.000	0.000
513	2017/11/21 17:31:31	0.000	0.000	0.000
514	2017/11/21 17:32:31	0.000	0.000	0.000
515	2017/11/21 17:33:31	0.000	0.000	0.000
516	2017/11/21 17:34:31	0.000	0.000	0.000
517	2017/11/21 17:35:31	0.000	0.000	0.000
518	2017/11/21 17:36:31	0.000	0.000	0.000
519	2017/11/21 17:37:31	0.000	0.000	0.000
Peak		0.131	0.216	0.123
Min		0.000	0.000	0.000
Average		0.043	0.047	0.043

****

TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)

001	2017/11/21	08:59:31	0.000	---
002	2017/11/21	09:00:31	0.000	---
003	2017/11/21	09:01:31	0.000	---
004	2017/11/21	09:02:31	0.000	---
005	2017/11/21	09:03:31	0.000	---
006	2017/11/21	09:04:31	0.000	---
007	2017/11/21	09:05:31	0.000	---
008	2017/11/21	09:06:31	0.000	---
009	2017/11/21	09:07:31	0.000	---
010	2017/11/21	09:08:31	0.000	---
011	2017/11/21	09:09:31	0.000	---
012	2017/11/21	09:10:31	0.000	---
013	2017/11/21	09:11:31	0.000	---
014	2017/11/21	09:12:31	0.000	---
015	2017/11/21	09:13:31	0.000	0.000
016	2017/11/21	09:14:31	0.000	0.000
017	2017/11/21	09:15:31	0.000	0.000
018	2017/11/21	09:16:31	0.000	0.000
019	2017/11/21	09:17:31	0.000	0.000
020	2017/11/21	09:18:31	0.000	0.000
021	2017/11/21	09:19:31	0.000	0.000
022	2017/11/21	09:20:31	0.000	0.000
023	2017/11/21	09:21:31	0.000	0.000
024	2017/11/21	09:22:31	0.000	0.000
025	2017/11/21	09:23:31	0.000	0.001
026	2017/11/21	09:24:31	0.000	0.001
027	2017/11/21	09:25:31	0.000	0.001
028	2017/11/21	09:26:31	0.000	0.002
029	2017/11/21	09:27:31	0.000	0.002
030	2017/11/21	09:28:31	0.000	0.003
031	2017/11/21	09:29:31	0.000	0.004
032	2017/11/21	09:30:31	0.000	0.005
033	2017/11/21	09:31:31	0.000	0.006
034	2017/11/21	09:32:31	0.000	0.008
035	2017/11/21	09:33:31	0.000	0.010
036	2017/11/21	09:34:31	0.000	0.012
037	2017/11/21	09:35:31	0.000	0.014
038	2017/11/21	09:36:31	0.000	0.015
039	2017/11/21	09:37:31	0.001	0.017
040	2017/11/21	09:38:31	0.001	0.018
041	2017/11/21	09:39:31	0.001	0.020
042	2017/11/21	09:40:31	0.001	0.022
043	2017/11/21	09:41:31	0.001	0.023
044	2017/11/21	09:42:31	0.001	0.024
045	2017/11/21	09:43:31	0.001	0.025
046	2017/11/21	09:44:31	0.001	0.027
047	2017/11/21	09:45:31	0.001	0.028
048	2017/11/21	09:46:31	0.001	0.029
049	2017/11/21	09:47:31	0.001	0.029
050	2017/11/21	09:48:31	0.001	0.030
051	2017/11/21	09:49:31	0.001	0.030
052	2017/11/21	09:50:31	0.001	0.031
053	2017/11/21	09:51:31	0.001	0.031
054	2017/11/21	09:52:31	0.002	0.032
055	2017/11/21	09:53:31	0.002	0.033
056	2017/11/21	09:54:31	0.002	0.034
057	2017/11/21	09:55:31	0.002	0.035
058	2017/11/21	09:56:31	0.002	0.036
059	2017/11/21	09:57:31	0.002	0.037
060	2017/11/21	09:58:31	0.002	0.037
061	2017/11/21	09:59:31	0.002	0.038
062	2017/11/21	10:00:31	0.002	0.039
063	2017/11/21	10:01:31	0.002	0.040

064	2017/11/21 10:02:31	0.002	0.040
065	2017/11/21 10:03:31	0.003	0.041
066	2017/11/21 10:04:31	0.003	0.041
067	2017/11/21 10:05:31	0.003	0.042
068	2017/11/21 10:06:31	0.003	0.043
069	2017/11/21 10:07:31	0.003	0.044
070	2017/11/21 10:08:31	0.003	0.044
071	2017/11/21 10:09:31	0.003	0.045
072	2017/11/21 10:10:31	0.003	0.045
073	2017/11/21 10:11:31	0.003	0.046
074	2017/11/21 10:12:31	0.003	0.047
075	2017/11/21 10:13:31	0.004	0.047
076	2017/11/21 10:14:31	0.004	0.048
077	2017/11/21 10:15:31	0.004	0.048
078	2017/11/21 10:16:31	0.004	0.049
079	2017/11/21 10:17:31	0.004	0.051
080	2017/11/21 10:18:31	0.004	0.053
081	2017/11/21 10:19:31	0.004	0.055
082	2017/11/21 10:20:31	0.004	0.057
083	2017/11/21 10:21:31	0.005	0.059
084	2017/11/21 10:22:31	0.005	0.061
085	2017/11/21 10:23:31	0.005	0.063
086	2017/11/21 10:24:31	0.005	0.065
087	2017/11/21 10:25:31	0.005	0.066
088	2017/11/21 10:26:31	0.005	0.068
089	2017/11/21 10:27:31	0.006	0.070
090	2017/11/21 10:28:31	0.006	0.072
091	2017/11/21 10:29:31	0.006	0.074
092	2017/11/21 10:30:31	0.006	0.076
093	2017/11/21 10:31:31	0.006	0.078
094	2017/11/21 10:32:31	0.006	0.079
095	2017/11/21 10:33:31	0.007	0.079
096	2017/11/21 10:34:31	0.007	0.080
097	2017/11/21 10:35:31	0.007	0.080
098	2017/11/21 10:36:31	0.007	0.081
099	2017/11/21 10:37:31	0.007	0.082
100	2017/11/21 10:38:31	0.008	0.083
101	2017/11/21 10:39:31	0.008	0.083
102	2017/11/21 10:40:31	0.008	0.084
103	2017/11/21 10:41:31	0.008	0.084
104	2017/11/21 10:42:31	0.008	0.084
105	2017/11/21 10:43:31	0.008	0.085
106	2017/11/21 10:44:31	0.009	0.085
107	2017/11/21 10:45:31	0.009	0.085
108	2017/11/21 10:46:31	0.009	0.085
109	2017/11/21 10:47:31	0.009	0.086
110	2017/11/21 10:48:31	0.009	0.086
111	2017/11/21 10:49:31	0.010	0.086
112	2017/11/21 10:50:31	0.010	0.086
113	2017/11/21 10:51:31	0.010	0.086
114	2017/11/21 10:52:31	0.010	0.085
115	2017/11/21 10:53:31	0.010	0.085
116	2017/11/21 10:54:31	0.010	0.085
117	2017/11/21 10:55:31	0.011	0.084
118	2017/11/21 10:56:31	0.011	0.084
119	2017/11/21 10:57:31	0.011	0.084
120	2017/11/21 10:58:31	0.011	0.084
121	2017/11/21 10:59:31	0.011	0.083
122	2017/11/21 11:00:31	0.011	0.083
123	2017/11/21 11:01:31	0.012	0.083
124	2017/11/21 11:02:31	0.012	0.082
125	2017/11/21 11:03:31	0.012	0.081
126	2017/11/21 11:04:31	0.012	0.081

127	2017/11/21 11:05:31	0.012	0.081
128	2017/11/21 11:06:31	0.012	0.080
129	2017/11/21 11:07:31	0.013	0.079
130	2017/11/21 11:08:31	0.013	0.079
131	2017/11/21 11:09:31	0.013	0.078
132	2017/11/21 11:10:31	0.013	0.078
133	2017/11/21 11:11:31	0.013	0.077
134	2017/11/21 11:12:31	0.013	0.077
135	2017/11/21 11:13:31	0.013	0.076
136	2017/11/21 11:14:31	0.014	0.076
137	2017/11/21 11:15:31	0.014	0.075
138	2017/11/21 11:16:31	0.014	0.075
139	2017/11/21 11:17:31	0.014	0.075
140	2017/11/21 11:18:31	0.014	0.075
141	2017/11/21 11:19:31	0.014	0.074
142	2017/11/21 11:20:31	0.015	0.074
143	2017/11/21 11:21:31	0.015	0.074
144	2017/11/21 11:22:31	0.015	0.074
145	2017/11/21 11:23:31	0.015	0.073
146	2017/11/21 11:24:31	0.015	0.073
147	2017/11/21 11:25:31	0.015	0.073
148	2017/11/21 11:26:31	0.015	0.073
149	2017/11/21 11:27:31	0.016	0.073
150	2017/11/21 11:28:31	0.016	0.073
151	2017/11/21 11:29:31	0.016	0.073
152	2017/11/21 11:30:31	0.016	0.073
153	2017/11/21 11:31:31	0.016	0.073
154	2017/11/21 11:32:31	0.016	0.073
155	2017/11/21 11:33:31	0.016	0.073
156	2017/11/21 11:34:31	0.017	0.073
157	2017/11/21 11:35:31	0.017	0.072
158	2017/11/21 11:36:31	0.017	0.073
159	2017/11/21 11:37:31	0.017	0.073
160	2017/11/21 11:38:31	0.017	0.074
161	2017/11/21 11:39:31	0.017	0.074
162	2017/11/21 11:40:31	0.018	0.075
163	2017/11/21 11:41:31	0.018	0.075
164	2017/11/21 11:42:31	0.018	0.076
165	2017/11/21 11:43:31	0.018	0.076
166	2017/11/21 11:44:31	0.018	0.076
167	2017/11/21 11:45:31	0.018	0.077
168	2017/11/21 11:46:31	0.019	0.077
169	2017/11/21 11:47:31	0.019	0.078
170	2017/11/21 11:48:31	0.019	0.078
171	2017/11/21 11:49:31	0.019	0.079
172	2017/11/21 11:50:31	0.019	0.079
173	2017/11/21 11:51:31	0.019	0.079
174	2017/11/21 11:52:31	0.020	0.079
175	2017/11/21 11:53:31	0.020	0.079
176	2017/11/21 11:54:31	0.020	0.079
177	2017/11/21 11:55:31	0.020	0.079
178	2017/11/21 11:56:31	0.020	0.079
179	2017/11/21 11:57:31	0.020	0.079
180	2017/11/21 11:58:31	0.021	0.078
181	2017/11/21 11:59:31	0.021	0.078
182	2017/11/21 12:00:31	0.021	0.078
183	2017/11/21 12:01:31	0.021	0.078
184	2017/11/21 12:02:31	0.021	0.078
185	2017/11/21 12:03:31	0.021	0.078
186	2017/11/21 12:04:31	0.022	0.078
187	2017/11/21 12:05:31	0.022	0.078
188	2017/11/21 12:06:31	0.022	0.078
189	2017/11/21 12:07:31	0.022	0.078

190	2017/11/21 12:08:31	0.022	0.078
191	2017/11/21 12:09:31	0.022	0.078
192	2017/11/21 12:10:31	0.022	0.078
193	2017/11/21 12:11:31	0.023	0.078
194	2017/11/21 12:12:31	0.023	0.078
195	2017/11/21 12:13:31	0.023	0.078
196	2017/11/21 12:14:31	0.023	0.077
197	2017/11/21 12:15:31	0.023	0.077
198	2017/11/21 12:16:31	0.023	0.077
199	2017/11/21 12:17:31	0.024	0.077
200	2017/11/21 12:18:31	0.024	0.076
201	2017/11/21 12:19:31	0.024	0.076
202	2017/11/21 12:20:31	0.024	0.077
203	2017/11/21 12:21:31	0.024	0.076
204	2017/11/21 12:22:31	0.024	0.076
205	2017/11/21 12:23:31	0.025	0.076
206	2017/11/21 12:24:31	0.025	0.076
207	2017/11/21 12:25:31	0.025	0.075
208	2017/11/21 12:26:31	0.025	0.075
209	2017/11/21 12:27:31	0.025	0.076
210	2017/11/21 12:28:31	0.025	0.076
211	2017/11/21 12:29:31	0.025	0.076
212	2017/11/21 12:30:31	0.026	0.076
213	2017/11/21 12:31:31	0.026	0.075
214	2017/11/21 12:32:31	0.026	0.074
215	2017/11/21 12:33:31	0.026	0.073
216	2017/11/21 12:34:31	0.026	0.072
217	2017/11/21 12:35:31	0.026	0.071
218	2017/11/21 12:36:31	0.026	0.070
219	2017/11/21 12:37:31	0.027	0.070
220	2017/11/21 12:38:31	0.027	0.069
221	2017/11/21 12:39:31	0.027	0.069
222	2017/11/21 12:40:31	0.027	0.068
223	2017/11/21 12:41:31	0.027	0.068
224	2017/11/21 12:42:31	0.027	0.067
225	2017/11/21 12:43:31	0.027	0.066
226	2017/11/21 12:44:31	0.028	0.066
227	2017/11/21 12:45:31	0.028	0.065
228	2017/11/21 12:46:31	0.028	0.066
229	2017/11/21 12:47:31	0.028	0.066
230	2017/11/21 12:48:31	0.028	0.066
231	2017/11/21 12:49:31	0.028	0.067
232	2017/11/21 12:50:31	0.028	0.068
233	2017/11/21 12:51:31	0.029	0.068
234	2017/11/21 12:52:31	0.029	0.068
235	2017/11/21 12:53:31	0.029	0.068
236	2017/11/21 12:54:31	0.029	0.068
237	2017/11/21 12:55:31	0.029	0.067
238	2017/11/21 12:56:31	0.029	0.067
239	2017/11/21 12:57:31	0.029	0.067
240	2017/11/21 12:58:31	0.030	0.067
241	2017/11/21 12:59:31	0.030	0.067
242	2017/11/21 13:00:31	0.030	0.067
243	2017/11/21 13:01:31	0.030	0.067
244	2017/11/21 13:02:31	0.030	0.067
245	2017/11/21 13:03:31	0.030	0.068
246	2017/11/21 13:04:31	0.030	0.068
247	2017/11/21 13:05:31	0.031	0.068
248	2017/11/21 13:06:31	0.031	0.069
249	2017/11/21 13:07:31	0.031	0.069
250	2017/11/21 13:08:31	0.031	0.070
251	2017/11/21 13:09:31	0.031	0.071
252	2017/11/21 13:10:31	0.031	0.072

253	2017/11/21	13:11:31	0.032	0.073
254	2017/11/21	13:12:31	0.032	0.075
255	2017/11/21	13:13:31	0.032	0.076
256	2017/11/21	13:14:31	0.032	0.078
257	2017/11/21	13:15:31	0.032	0.079
258	2017/11/21	13:16:31	0.032	0.081
259	2017/11/21	13:17:31	0.033	0.083
260	2017/11/21	13:18:31	0.033	0.084
261	2017/11/21	13:19:31	0.033	0.086
262	2017/11/21	13:20:31	0.033	0.088
263	2017/11/21	13:21:31	0.034	0.090
264	2017/11/21	13:22:31	0.034	0.092
265	2017/11/21	13:23:31	0.034	0.094
266	2017/11/21	13:24:31	0.034	0.096
267	2017/11/21	13:25:31	0.034	0.098
268	2017/11/21	13:26:31	0.035	0.101
269	2017/11/21	13:27:31	0.035	0.102
270	2017/11/21	13:28:31	0.035	0.104
271	2017/11/21	13:29:31	0.035	0.106
272	2017/11/21	13:30:31	0.036	0.108
273	2017/11/21	13:31:31	0.036	0.109
274	2017/11/21	13:32:31	0.036	0.110
275	2017/11/21	13:33:31	0.036	0.111
276	2017/11/21	13:34:31	0.037	0.112
277	2017/11/21	13:35:31	0.037	0.113
278	2017/11/21	13:36:31	0.037	0.113
279	2017/11/21	13:37:31	0.037	0.114
280	2017/11/21	13:38:31	0.038	0.115
281	2017/11/21	13:39:31	0.038	0.115
282	2017/11/21	13:40:31	0.038	0.115
283	2017/11/21	13:41:31	0.038	0.115
284	2017/11/21	13:42:31	0.039	0.115
285	2017/11/21	13:43:31	0.039	0.115
286	2017/11/21	13:44:31	0.039	0.115
287	2017/11/21	13:45:31	0.039	0.116
288	2017/11/21	13:46:31	0.039	0.116
289	2017/11/21	13:47:31	0.040	0.117
290	2017/11/21	13:48:31	0.040	0.117
291	2017/11/21	13:49:31	0.040	0.117
292	2017/11/21	13:50:31	0.040	0.117
293	2017/11/21	13:51:31	0.041	0.118
294	2017/11/21	13:52:31	0.041	0.118
295	2017/11/21	13:53:31	0.041	0.118
296	2017/11/21	13:54:31	0.041	0.117
297	2017/11/21	13:55:31	0.042	0.117
298	2017/11/21	13:56:31	0.042	0.117
299	2017/11/21	13:57:31	0.042	0.116
300	2017/11/21	13:58:31	0.042	0.115
301	2017/11/21	13:59:31	0.043	0.113
302	2017/11/21	14:00:31	0.043	0.110
303	2017/11/21	14:01:31	0.043	0.107
304	2017/11/21	14:02:31	0.043	0.104
305	2017/11/21	14:03:31	0.043	0.101
306	2017/11/21	14:04:31	0.043	0.098
307	2017/11/21	14:05:31	0.043	0.095
308	2017/11/21	14:06:31	0.044	0.092
309	2017/11/21	14:07:31	0.044	0.089
310	2017/11/21	14:08:31	0.044	0.086
311	2017/11/21	14:09:31	0.044	0.082
312	2017/11/21	14:10:31	0.044	0.079
313	2017/11/21	14:11:31	0.044	0.077
314	2017/11/21	14:12:31	0.044	0.075
315	2017/11/21	14:13:31	0.045	0.072

316	2017/11/21 14:14:31	0.045	0.070
317	2017/11/21 14:15:31	0.045	0.068
318	2017/11/21 14:16:31	0.045	0.067
319	2017/11/21 14:17:31	0.045	0.066
320	2017/11/21 14:18:31	0.045	0.065
321	2017/11/21 14:19:31	0.045	0.063
322	2017/11/21 14:20:31	0.045	0.062
323	2017/11/21 14:21:31	0.045	0.060
324	2017/11/21 14:22:31	0.046	0.058
325	2017/11/21 14:23:31	0.046	0.056
326	2017/11/21 14:24:31	0.046	0.055
327	2017/11/21 14:25:31	0.046	0.053
328	2017/11/21 14:26:31	0.046	0.051
329	2017/11/21 14:27:31	0.046	0.048
330	2017/11/21 14:28:31	0.046	0.046
331	2017/11/21 14:29:31	0.046	0.044
332	2017/11/21 14:30:31	0.046	0.042
333	2017/11/21 14:31:31	0.046	0.039
334	2017/11/21 14:32:31	0.046	0.037
335	2017/11/21 14:33:31	0.046	0.035
336	2017/11/21 14:34:31	0.046	0.033
337	2017/11/21 14:35:31	0.046	0.031
338	2017/11/21 14:36:31	0.046	0.029
339	2017/11/21 14:37:31	0.046	0.028
340	2017/11/21 14:38:31	0.046	0.026
341	2017/11/21 14:39:31	0.047	0.025
342	2017/11/21 14:40:31	0.047	0.023
343	2017/11/21 14:41:31	0.047	0.022
344	2017/11/21 14:42:31	0.047	0.021
345	2017/11/21 14:43:31	0.047	0.021
346	2017/11/21 14:44:31	0.047	0.020
347	2017/11/21 14:45:31	0.047	0.020
348	2017/11/21 14:46:31	0.047	0.020
349	2017/11/21 14:47:31	0.047	0.019
350	2017/11/21 14:48:31	0.047	0.019
351	2017/11/21 14:49:31	0.047	0.018
352	2017/11/21 14:50:31	0.047	0.018
353	2017/11/21 14:51:31	0.047	0.017
354	2017/11/21 14:52:31	0.047	0.016
355	2017/11/21 14:53:31	0.047	0.015
356	2017/11/21 14:54:31	0.047	0.014
357	2017/11/21 14:55:31	0.047	0.013
358	2017/11/21 14:56:31	0.047	0.012
359	2017/11/21 14:57:31	0.047	0.011
360	2017/11/21 14:58:31	0.047	0.010
361	2017/11/21 14:59:31	0.047	0.009
362	2017/11/21 15:00:31	0.047	0.008
363	2017/11/21 15:01:31	0.047	0.007
364	2017/11/21 15:02:31	0.047	0.006
365	2017/11/21 15:03:31	0.047	0.005
366	2017/11/21 15:04:31	0.047	0.004
367	2017/11/21 15:05:31	0.047	0.003
368	2017/11/21 15:06:31	0.047	0.003
369	2017/11/21 15:07:31	0.047	0.002
370	2017/11/21 15:08:31	0.047	0.002
371	2017/11/21 15:09:31	0.047	0.001
372	2017/11/21 15:10:31	0.047	0.001
373	2017/11/21 15:11:31	0.047	0.001
374	2017/11/21 15:12:31	0.047	0.000
375	2017/11/21 15:13:31	0.047	0.000
376	2017/11/21 15:14:31	0.047	0.000
377	2017/11/21 15:15:31	0.047	0.000
378	2017/11/21 15:16:31	0.047	0.000

379	2017/11/21 15:17:31	0.047	0.000
380	2017/11/21 15:18:31	0.047	0.000
381	2017/11/21 15:19:31	0.047	0.000
382	2017/11/21 15:20:31	0.047	0.000
383	2017/11/21 15:21:31	0.047	0.000
384	2017/11/21 15:22:31	0.047	0.000
385	2017/11/21 15:23:31	0.047	0.000
386	2017/11/21 15:24:31	0.047	0.000
387	2017/11/21 15:25:31	0.047	0.000
388	2017/11/21 15:26:31	0.047	0.000
389	2017/11/21 15:27:31	0.047	0.000
390	2017/11/21 15:28:31	0.047	0.000
391	2017/11/21 15:29:31	0.047	0.000
392	2017/11/21 15:30:31	0.047	0.000
393	2017/11/21 15:31:31	0.047	0.000
394	2017/11/21 15:32:31	0.047	0.000
395	2017/11/21 15:33:31	0.047	0.000
396	2017/11/21 15:34:31	0.047	0.000
397	2017/11/21 15:35:31	0.047	0.000
398	2017/11/21 15:36:31	0.047	0.000
399	2017/11/21 15:37:31	0.047	0.000
400	2017/11/21 15:38:31	0.047	0.000
401	2017/11/21 15:39:31	0.047	0.000
402	2017/11/21 15:40:31	0.047	0.000
403	2017/11/21 15:41:31	0.047	0.000
404	2017/11/21 15:42:31	0.047	0.000
405	2017/11/21 15:43:31	0.047	0.000
406	2017/11/21 15:44:31	0.047	0.000
407	2017/11/21 15:45:31	0.047	0.000
408	2017/11/21 15:46:31	0.047	0.000
409	2017/11/21 15:47:31	0.047	0.000
410	2017/11/21 15:48:31	0.047	0.000
411	2017/11/21 15:49:31	0.047	0.000
412	2017/11/21 15:50:31	0.047	0.000
413	2017/11/21 15:51:31	0.047	0.000
414	2017/11/21 15:52:31	0.047	0.000
415	2017/11/21 15:53:31	0.047	0.000
416	2017/11/21 15:54:31	0.047	0.000
417	2017/11/21 15:55:31	0.047	0.000
418	2017/11/21 15:56:31	0.047	0.000
419	2017/11/21 15:57:31	0.047	0.000
420	2017/11/21 15:58:31	0.047	0.000
421	2017/11/21 15:59:31	0.047	0.000
422	2017/11/21 16:00:31	0.047	0.000
423	2017/11/21 16:01:31	0.047	0.000
424	2017/11/21 16:02:31	0.047	0.000
425	2017/11/21 16:03:31	0.047	0.000
426	2017/11/21 16:04:31	0.047	0.000
427	2017/11/21 16:05:31	0.047	0.000
428	2017/11/21 16:06:31	0.047	0.000
429	2017/11/21 16:07:31	0.047	0.000
430	2017/11/21 16:08:31	0.047	0.000
431	2017/11/21 16:09:31	0.047	0.000
432	2017/11/21 16:10:31	0.047	0.000
433	2017/11/21 16:11:31	0.047	0.000
434	2017/11/21 16:12:31	0.047	0.000
435	2017/11/21 16:13:31	0.047	0.000
436	2017/11/21 16:14:31	0.047	0.000
437	2017/11/21 16:15:31	0.047	0.000
438	2017/11/21 16:16:31	0.047	0.000
439	2017/11/21 16:17:31	0.047	0.000
440	2017/11/21 16:18:31	0.047	0.000
441	2017/11/21 16:19:31	0.047	0.000

442	2017/11/21 16:20:31	0.047	0.000
443	2017/11/21 16:21:31	0.047	0.000
444	2017/11/21 16:22:31	0.047	0.000
445	2017/11/21 16:23:31	0.047	0.000
446	2017/11/21 16:24:31	0.047	0.000
447	2017/11/21 16:25:31	0.047	0.000
448	2017/11/21 16:26:31	0.047	0.000
449	2017/11/21 16:27:31	0.047	0.000
450	2017/11/21 16:28:31	0.047	0.000
451	2017/11/21 16:29:31	0.047	0.000
452	2017/11/21 16:30:31	0.047	0.000
453	2017/11/21 16:31:31	0.047	0.000
454	2017/11/21 16:32:31	0.047	0.000
455	2017/11/21 16:33:31	0.047	0.000
456	2017/11/21 16:34:31	0.047	0.000
457	2017/11/21 16:35:31	0.047	0.000
458	2017/11/21 16:36:31	0.047	0.000
459	2017/11/21 16:37:31	0.047	0.000
460	2017/11/21 16:38:31	0.047	0.000
461	2017/11/21 16:39:31	0.047	0.000
462	2017/11/21 16:40:31	0.047	0.000
463	2017/11/21 16:41:31	0.047	0.000
464	2017/11/21 16:42:31	0.047	0.000
465	2017/11/21 16:43:31	0.047	0.000
466	2017/11/21 16:44:31	0.047	0.000
467	2017/11/21 16:45:31	0.047	0.000
468	2017/11/21 16:46:31	0.047	0.000
469	2017/11/21 16:47:31	0.047	0.000
470	2017/11/21 16:48:31	0.047	0.000
471	2017/11/21 16:49:31	0.047	0.000
472	2017/11/21 16:50:31	0.047	0.000
473	2017/11/21 16:51:31	0.047	0.000
474	2017/11/21 16:52:31	0.047	0.000
475	2017/11/21 16:53:31	0.047	0.000
476	2017/11/21 16:54:31	0.047	0.000
477	2017/11/21 16:55:31	0.047	0.000
478	2017/11/21 16:56:31	0.047	0.000
479	2017/11/21 16:57:31	0.047	0.000
480	2017/11/21 16:58:31	0.047	0.000
481	2017/11/21 16:59:31	0.047	0.000
482	2017/11/21 17:00:31	0.047	0.000
483	2017/11/21 17:01:31	0.047	0.000
484	2017/11/21 17:02:31	0.047	0.000
485	2017/11/21 17:03:31	0.047	0.000
486	2017/11/21 17:04:31	0.047	0.000
487	2017/11/21 17:05:31	0.047	0.000
488	2017/11/21 17:06:31	0.047	0.000
489	2017/11/21 17:07:31	0.047	0.000
490	2017/11/21 17:08:31	0.047	0.000
491	2017/11/21 17:09:31	0.047	0.000
492	2017/11/21 17:10:31	0.047	0.000
493	2017/11/21 17:11:31	0.047	0.000
494	2017/11/21 17:12:31	0.047	0.000
495	2017/11/21 17:13:31	0.047	0.000
496	2017/11/21 17:14:31	0.047	0.000
497	2017/11/21 17:15:31	0.047	0.000
498	2017/11/21 17:16:31	0.047	0.000
499	2017/11/21 17:17:31	0.047	0.000
500	2017/11/21 17:18:31	0.047	0.000
501	2017/11/21 17:19:31	0.047	0.000
502	2017/11/21 17:20:31	0.047	0.000
503	2017/11/21 17:21:31	0.047	0.000
504	2017/11/21 17:22:31	0.047	0.000

505	2017/11/21 17:23:31	0.047	0.000
506	2017/11/21 17:24:31	0.047	0.000
507	2017/11/21 17:25:31	0.047	0.000
508	2017/11/21 17:26:31	0.047	0.000
509	2017/11/21 17:27:31	0.047	0.000
510	2017/11/21 17:28:31	0.047	0.000
511	2017/11/21 17:29:31	0.047	0.000
512	2017/11/21 17:30:31	0.047	0.000
513	2017/11/21 17:31:31	0.047	0.000
514	2017/11/21 17:32:31	0.047	0.000
515	2017/11/21 17:33:31	0.047	0.000
516	2017/11/21 17:34:31	0.047	0.000
517	2017/11/21 17:35:31	0.047	0.000
518	2017/11/21 17:36:31	0.047	0.000
519	2017/11/21 17:37:31	0.047	0.000

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17/06/07 08:38

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-909023
Unit Firmware Ver	V1.10C

Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2017/06/07 08:38:56
End	2017/06/07 16:41:34
Sample Period(s)	60
Number of Records	482

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	5.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2017/06/07 08:38
Peak	0.278
Min	0.021
Average	0.126

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2017/06/07 08:39:56	0.057	0.242	0.027
002	2017/06/07 08:40:56	0.026	0.031	0.026
003	2017/06/07 08:41:56	0.021	0.028	0.021
004	2017/06/07 08:42:56	0.020	0.024	0.023
005	2017/06/07 08:43:56	0.023	0.025	0.023
006	2017/06/07 08:44:56	0.023	0.025	0.024
007	2017/06/07 08:45:56	0.024	0.027	0.027
008	2017/06/07 08:46:56	0.053	0.262	0.191
009	2017/06/07 08:47:56	0.157	0.186	0.145
010	2017/06/07 08:48:56	0.142	0.145	0.140
011	2017/06/07 08:49:56	0.138	0.141	0.138
012	2017/06/07 08:50:56	0.136	0.139	0.136
013	2017/06/07 08:51:56	0.135	0.137	0.136
014	2017/06/07 08:52:56	0.135	0.136	0.136
015	2017/06/07 08:53:56	0.135	0.137	0.135
016	2017/06/07 08:54:56	0.134	0.137	0.133
017	2017/06/07 08:55:56	0.134	0.141	0.136
018	2017/06/07 08:56:56	0.132	0.136	0.132
019	2017/06/07 08:57:56	0.131	0.134	0.132
020	2017/06/07 08:58:56	0.132	0.136	0.131
021	2017/06/07 08:59:56	0.132	0.135	0.130
022	2017/06/07 09:00:56	0.131	0.133	0.133

023	2017/06/07	09:01:56	0.132	0.136	0.136
024	2017/06/07	09:02:56	0.131	0.134	0.133
025	2017/06/07	09:03:56	0.130	0.134	0.127
026	2017/06/07	09:04:56	0.129	0.131	0.130
027	2017/06/07	09:05:56	0.128	0.131	0.127
028	2017/06/07	09:06:56	0.126	0.128	0.126
029	2017/06/07	09:07:56	0.124	0.126	0.122
030	2017/06/07	09:08:56	0.123	0.126	0.126
031	2017/06/07	09:09:56	0.124	0.126	0.125
032	2017/06/07	09:10:56	0.125	0.126	0.126
033	2017/06/07	09:11:56	0.124	0.127	0.125
034	2017/06/07	09:12:56	0.131	0.149	0.124
035	2017/06/07	09:13:56	0.123	0.126	0.123
036	2017/06/07	09:14:56	0.123	0.126	0.124
037	2017/06/07	09:15:56	0.124	0.126	0.126
038	2017/06/07	09:16:56	0.123	0.126	0.123
039	2017/06/07	09:17:56	0.123	0.125	0.124
040	2017/06/07	09:18:56	0.124	0.126	0.124
041	2017/06/07	09:19:56	0.124	0.126	0.125
042	2017/06/07	09:20:56	0.123	0.126	0.123
043	2017/06/07	09:21:56	0.123	0.126	0.125
044	2017/06/07	09:22:56	0.123	0.126	0.124
045	2017/06/07	09:23:56	0.122	0.125	0.124
046	2017/06/07	09:24:56	0.122	0.125	0.121
047	2017/06/07	09:25:56	0.122	0.124	0.122
048	2017/06/07	09:26:56	0.122	0.125	0.124
049	2017/06/07	09:27:56	0.125	0.147	0.122
050	2017/06/07	09:28:56	0.122	0.125	0.122
051	2017/06/07	09:29:56	0.122	0.125	0.122
052	2017/06/07	09:30:56	0.124	0.128	0.127
053	2017/06/07	09:31:56	0.125	0.127	0.127
054	2017/06/07	09:32:56	0.126	0.129	0.126
055	2017/06/07	09:33:56	0.126	0.129	0.126
056	2017/06/07	09:34:56	0.126	0.128	0.124
057	2017/06/07	09:35:56	0.126	0.130	0.126
058	2017/06/07	09:36:56	0.128	0.131	0.131
059	2017/06/07	09:37:56	0.130	0.132	0.132
060	2017/06/07	09:38:56	0.131	0.133	0.129
061	2017/06/07	09:39:56	0.131	0.134	0.131
062	2017/06/07	09:40:56	0.132	0.135	0.131
063	2017/06/07	09:41:56	0.132	0.137	0.137
064	2017/06/07	09:42:56	0.134	0.137	0.136
065	2017/06/07	09:43:56	0.135	0.138	0.138
066	2017/06/07	09:44:56	0.137	0.140	0.139
067	2017/06/07	09:45:56	0.140	0.143	0.141
068	2017/06/07	09:46:56	0.140	0.143	0.141
069	2017/06/07	09:47:56	0.141	0.142	0.142
070	2017/06/07	09:48:56	0.140	0.143	0.141
071	2017/06/07	09:49:56	0.141	0.144	0.141
072	2017/06/07	09:50:56	0.142	0.144	0.142
073	2017/06/07	09:51:56	0.142	0.144	0.144
074	2017/06/07	09:52:56	0.142	0.154	0.142
075	2017/06/07	09:53:56	0.142	0.145	0.142
076	2017/06/07	09:54:56	0.141	0.144	0.140
077	2017/06/07	09:55:56	0.262	0.407	0.278
078	2017/06/07	09:56:56	0.184	0.250	0.183
079	2017/06/07	09:57:56	0.160	0.184	0.154
080	2017/06/07	09:58:56	0.150	0.162	0.147
081	2017/06/07	09:59:56	0.154	0.184	0.165
082	2017/06/07	10:00:56	0.149	0.161	0.142
083	2017/06/07	10:01:56	0.147	0.162	0.142
084	2017/06/07	10:02:56	0.138	0.143	0.141
085	2017/06/07	10:03:56	0.138	0.142	0.136

086	2017/06/07	10:04:56	0.136	0.140	0.137
087	2017/06/07	10:05:56	0.136	0.140	0.136
088	2017/06/07	10:06:56	0.136	0.139	0.137
089	2017/06/07	10:07:56	0.138	0.141	0.139
090	2017/06/07	10:08:56	0.138	0.140	0.139
091	2017/06/07	10:09:56	0.138	0.140	0.137
092	2017/06/07	10:10:56	0.139	0.140	0.137
093	2017/06/07	10:11:56	0.138	0.142	0.140
094	2017/06/07	10:12:56	0.138	0.140	0.138
095	2017/06/07	10:13:56	0.138	0.140	0.139
096	2017/06/07	10:14:56	0.138	0.140	0.138
097	2017/06/07	10:15:56	0.139	0.142	0.140
098	2017/06/07	10:16:56	0.139	0.142	0.139
099	2017/06/07	10:17:56	0.139	0.143	0.138
100	2017/06/07	10:18:56	0.138	0.142	0.139
101	2017/06/07	10:19:56	0.141	0.152	0.146
102	2017/06/07	10:20:56	0.142	0.146	0.143
103	2017/06/07	10:21:56	0.141	0.143	0.140
104	2017/06/07	10:22:56	0.141	0.144	0.143
105	2017/06/07	10:23:56	0.141	0.143	0.141
106	2017/06/07	10:24:56	0.142	0.144	0.141
107	2017/06/07	10:25:56	0.143	0.146	0.144
108	2017/06/07	10:26:56	0.142	0.145	0.143
109	2017/06/07	10:27:56	0.142	0.146	0.141
110	2017/06/07	10:28:56	0.144	0.146	0.145
111	2017/06/07	10:29:56	0.143	0.145	0.143
112	2017/06/07	10:30:56	0.148	0.176	0.142
113	2017/06/07	10:31:56	0.142	0.145	0.144
114	2017/06/07	10:32:56	0.143	0.145	0.143
115	2017/06/07	10:33:56	0.143	0.148	0.144
116	2017/06/07	10:34:56	0.145	0.152	0.149
117	2017/06/07	10:35:56	0.148	0.151	0.149
118	2017/06/07	10:36:56	0.147	0.152	0.145
119	2017/06/07	10:37:56	0.145	0.148	0.145
120	2017/06/07	10:38:56	0.146	0.150	0.146
121	2017/06/07	10:39:56	0.145	0.148	0.145
122	2017/06/07	10:40:56	0.145	0.147	0.145
123	2017/06/07	10:41:56	0.144	0.146	0.144
124	2017/06/07	10:42:56	0.144	0.146	0.145
125	2017/06/07	10:43:56	0.146	0.148	0.147
126	2017/06/07	10:44:56	0.146	0.148	0.144
127	2017/06/07	10:45:56	0.145	0.147	0.144
128	2017/06/07	10:46:56	0.144	0.148	0.140
129	2017/06/07	10:47:56	0.142	0.144	0.143
130	2017/06/07	10:48:56	0.143	0.148	0.142
131	2017/06/07	10:49:56	0.142	0.145	0.141
132	2017/06/07	10:50:56	0.141	0.144	0.140
133	2017/06/07	10:51:56	0.141	0.146	0.142
134	2017/06/07	10:52:56	0.140	0.143	0.140
135	2017/06/07	10:53:56	0.140	0.143	0.140
136	2017/06/07	10:54:56	0.141	0.146	0.140
137	2017/06/07	10:55:56	0.141	0.146	0.142
138	2017/06/07	10:56:56	0.142	0.145	0.143
139	2017/06/07	10:57:56	0.142	0.145	0.144
140	2017/06/07	10:58:56	0.142	0.146	0.141
141	2017/06/07	10:59:56	0.140	0.141	0.140
142	2017/06/07	11:00:56	0.140	0.143	0.141
143	2017/06/07	11:01:56	0.142	0.144	0.142
144	2017/06/07	11:02:56	0.143	0.162	0.150
145	2017/06/07	11:03:56	0.146	0.168	0.142
146	2017/06/07	11:04:56	0.140	0.142	0.141
147	2017/06/07	11:05:56	0.144	0.147	0.147
148	2017/06/07	11:06:56	0.150	0.160	0.144

149	2017/06/07 11:07:56	0.143	0.146	0.142
150	2017/06/07 11:08:56	0.142	0.144	0.143
151	2017/06/07 11:09:56	0.148	0.154	0.148
152	2017/06/07 11:10:56	0.150	0.163	0.158
153	2017/06/07 11:11:56	0.146	0.157	0.142
154	2017/06/07 11:12:56	0.141	0.143	0.141
155	2017/06/07 11:13:56	0.143	0.144	0.144
156	2017/06/07 11:14:56	0.142	0.146	0.141
157	2017/06/07 11:15:56	0.143	0.154	0.141
158	2017/06/07 11:16:56	0.140	0.144	0.141
159	2017/06/07 11:17:56	0.138	0.149	0.134
160	2017/06/07 11:18:56	0.133	0.136	0.134
161	2017/06/07 11:19:56	0.134	0.137	0.132
162	2017/06/07 11:20:56	0.132	0.135	0.134
163	2017/06/07 11:21:56	0.135	0.141	0.141
164	2017/06/07 11:22:56	0.132	0.140	0.129
165	2017/06/07 11:23:56	0.129	0.131	0.128
166	2017/06/07 11:24:56	0.128	0.131	0.128
167	2017/06/07 11:25:56	0.127	0.133	0.127
168	2017/06/07 11:26:56	0.126	0.130	0.125
169	2017/06/07 11:27:56	0.124	0.128	0.123
170	2017/06/07 11:28:56	0.121	0.123	0.122
171	2017/06/07 11:29:56	0.121	0.123	0.121
172	2017/06/07 11:30:56	0.120	0.122	0.120
173	2017/06/07 11:31:56	0.119	0.121	0.119
174	2017/06/07 11:32:56	0.118	0.120	0.120
175	2017/06/07 11:33:56	0.116	0.120	0.117
176	2017/06/07 11:34:56	0.117	0.119	0.118
177	2017/06/07 11:35:56	0.117	0.121	0.117
178	2017/06/07 11:36:56	0.116	0.122	0.116
179	2017/06/07 11:37:56	0.114	0.116	0.114
180	2017/06/07 11:38:56	0.113	0.115	0.112
181	2017/06/07 11:39:56	0.112	0.114	0.112
182	2017/06/07 11:40:56	0.111	0.113	0.110
183	2017/06/07 11:41:56	0.110	0.113	0.112
184	2017/06/07 11:42:56	0.111	0.114	0.112
185	2017/06/07 11:43:56	0.111	0.116	0.110
186	2017/06/07 11:44:56	0.109	0.111	0.109
187	2017/06/07 11:45:56	0.108	0.111	0.108
188	2017/06/07 11:46:56	0.107	0.109	0.108
189	2017/06/07 11:47:56	0.109	0.112	0.110
190	2017/06/07 11:48:56	0.108	0.127	0.108
191	2017/06/07 11:49:56	0.110	0.129	0.113
192	2017/06/07 11:50:56	0.110	0.156	0.156
193	2017/06/07 11:51:56	0.129	0.183	0.125
194	2017/06/07 11:52:56	0.114	0.134	0.112
195	2017/06/07 11:53:56	0.121	0.188	0.119
196	2017/06/07 11:54:56	0.117	0.159	0.112
197	2017/06/07 11:55:56	0.110	0.119	0.108
198	2017/06/07 11:56:56	0.111	0.140	0.113
199	2017/06/07 11:57:56	0.125	0.226	0.116
200	2017/06/07 11:58:56	0.121	0.163	0.116
201	2017/06/07 11:59:56	0.111	0.118	0.111
202	2017/06/07 12:00:56	0.109	0.111	0.110
203	2017/06/07 12:01:56	0.110	0.114	0.114
204	2017/06/07 12:02:56	0.111	0.120	0.111
205	2017/06/07 12:03:56	0.110	0.112	0.112
206	2017/06/07 12:04:56	0.111	0.114	0.114
207	2017/06/07 12:05:56	0.112	0.116	0.112
208	2017/06/07 12:06:56	0.113	0.117	0.117
209	2017/06/07 12:07:56	0.114	0.117	0.113
210	2017/06/07 12:08:56	0.114	0.118	0.115
211	2017/06/07 12:09:56	0.115	0.118	0.115

212	2017/06/07 12:10:56	0.114	0.121	0.121
213	2017/06/07 12:11:56	0.115	0.120	0.117
214	2017/06/07 12:12:56	0.113	0.116	0.113
215	2017/06/07 12:13:56	0.115	0.118	0.117
216	2017/06/07 12:14:56	0.118	0.122	0.119
217	2017/06/07 12:15:56	0.119	0.121	0.120
218	2017/06/07 12:16:56	0.123	0.130	0.122
219	2017/06/07 12:17:56	0.123	0.130	0.126
220	2017/06/07 12:18:56	0.124	0.127	0.124
221	2017/06/07 12:19:56	0.126	0.137	0.122
222	2017/06/07 12:20:56	0.126	0.134	0.127
223	2017/06/07 12:21:56	0.146	0.350	0.121
224	2017/06/07 12:22:56	0.124	0.130	0.125
225	2017/06/07 12:23:56	0.124	0.129	0.126
226	2017/06/07 12:24:56	0.125	0.127	0.125
227	2017/06/07 12:25:56	0.127	0.131	0.128
228	2017/06/07 12:26:56	0.124	0.129	0.123
229	2017/06/07 12:27:56	0.122	0.125	0.124
230	2017/06/07 12:28:56	0.123	0.125	0.123
231	2017/06/07 12:29:56	0.125	0.157	0.120
232	2017/06/07 12:30:56	0.121	0.123	0.121
233	2017/06/07 12:31:56	0.121	0.127	0.127
234	2017/06/07 12:32:56	0.123	0.153	0.122
235	2017/06/07 12:33:56	0.121	0.123	0.123
236	2017/06/07 12:34:56	0.122	0.124	0.124
237	2017/06/07 12:35:56	0.123	0.124	0.123
238	2017/06/07 12:36:56	0.124	0.126	0.126
239	2017/06/07 12:37:56	0.124	0.127	0.125
240	2017/06/07 12:38:56	0.126	0.140	0.121
241	2017/06/07 12:39:56	0.123	0.124	0.124
242	2017/06/07 12:40:56	0.122	0.124	0.122
243	2017/06/07 12:41:56	0.121	0.123	0.122
244	2017/06/07 12:42:56	0.119	0.122	0.122
245	2017/06/07 12:43:56	0.123	0.139	0.119
246	2017/06/07 12:44:56	0.121	0.141	0.141
247	2017/06/07 12:45:56	0.122	0.149	0.123
248	2017/06/07 12:46:56	0.121	0.123	0.121
249	2017/06/07 12:47:56	0.121	0.122	0.122
250	2017/06/07 12:48:56	0.122	0.124	0.124
251	2017/06/07 12:49:56	0.121	0.124	0.121
252	2017/06/07 12:50:56	0.121	0.128	0.119
253	2017/06/07 12:51:56	0.119	0.120	0.120
254	2017/06/07 12:52:56	0.121	0.134	0.119
255	2017/06/07 12:53:56	0.119	0.121	0.121
256	2017/06/07 12:54:56	0.119	0.120	0.119
257	2017/06/07 12:55:56	0.119	0.121	0.120
258	2017/06/07 12:56:56	0.122	0.150	0.121
259	2017/06/07 12:57:56	0.122	0.149	0.117
260	2017/06/07 12:58:56	0.122	0.150	0.121
261	2017/06/07 12:59:56	0.120	0.140	0.114
262	2017/06/07 13:00:56	0.114	0.116	0.112
263	2017/06/07 13:01:56	0.111	0.113	0.113
264	2017/06/07 13:02:56	0.112	0.113	0.111
265	2017/06/07 13:03:56	0.111	0.113	0.111
266	2017/06/07 13:04:56	0.111	0.116	0.111
267	2017/06/07 13:05:56	0.113	0.138	0.109
268	2017/06/07 13:06:56	0.110	0.120	0.109
269	2017/06/07 13:07:56	0.110	0.119	0.107
270	2017/06/07 13:08:56	0.108	0.110	0.109
271	2017/06/07 13:09:56	0.110	0.119	0.111
272	2017/06/07 13:10:56	0.111	0.113	0.112
273	2017/06/07 13:11:56	0.110	0.112	0.110
274	2017/06/07 13:12:56	0.111	0.113	0.112

275	2017/06/07 13:13:56	0.113	0.134	0.112
276	2017/06/07 13:14:56	0.111	0.113	0.112
277	2017/06/07 13:15:56	0.111	0.113	0.111
278	2017/06/07 13:16:56	0.111	0.114	0.112
279	2017/06/07 13:17:56	0.111	0.113	0.111
280	2017/06/07 13:18:56	0.110	0.113	0.109
281	2017/06/07 13:19:56	0.110	0.111	0.110
282	2017/06/07 13:20:56	0.110	0.112	0.111
283	2017/06/07 13:21:56	0.111	0.112	0.110
284	2017/06/07 13:22:56	0.115	0.187	0.108
285	2017/06/07 13:23:56	0.110	0.112	0.112
286	2017/06/07 13:24:56	0.112	0.117	0.112
287	2017/06/07 13:25:56	0.111	0.113	0.111
288	2017/06/07 13:26:56	0.111	0.112	0.111
289	2017/06/07 13:27:56	0.111	0.113	0.112
290	2017/06/07 13:28:56	0.110	0.113	0.113
291	2017/06/07 13:29:56	0.111	0.113	0.112
292	2017/06/07 13:30:56	0.112	0.113	0.113
293	2017/06/07 13:31:56	0.111	0.112	0.111
294	2017/06/07 13:32:56	0.112	0.133	0.129
295	2017/06/07 13:33:56	0.111	0.122	0.105
296	2017/06/07 13:34:56	0.105	0.108	0.106
297	2017/06/07 13:35:56	0.107	0.109	0.109
298	2017/06/07 13:36:56	0.109	0.113	0.111
299	2017/06/07 13:37:56	0.111	0.114	0.112
300	2017/06/07 13:38:56	0.112	0.114	0.114
301	2017/06/07 13:39:56	0.114	0.117	0.116
302	2017/06/07 13:40:56	0.114	0.116	0.114
303	2017/06/07 13:41:56	0.114	0.115	0.115
304	2017/06/07 13:42:56	0.114	0.115	0.115
305	2017/06/07 13:43:56	0.116	0.144	0.113
306	2017/06/07 13:44:56	0.112	0.114	0.114
307	2017/06/07 13:45:56	0.117	0.134	0.111
308	2017/06/07 13:46:56	0.113	0.116	0.114
309	2017/06/07 13:47:56	0.114	0.123	0.112
310	2017/06/07 13:48:56	0.113	0.115	0.115
311	2017/06/07 13:49:56	0.114	0.115	0.113
312	2017/06/07 13:50:56	0.114	0.116	0.114
313	2017/06/07 13:51:56	0.112	0.114	0.113
314	2017/06/07 13:52:56	0.115	0.149	0.119
315	2017/06/07 13:53:56	0.115	0.129	0.117
316	2017/06/07 13:54:56	0.116	0.128	0.112
317	2017/06/07 13:55:56	0.113	0.115	0.115
318	2017/06/07 13:56:56	0.115	0.128	0.114
319	2017/06/07 13:57:56	0.119	0.152	0.120
320	2017/06/07 13:58:56	0.117	0.119	0.116
321	2017/06/07 13:59:56	0.121	0.128	0.128
322	2017/06/07 14:00:56	0.120	0.127	0.118
323	2017/06/07 14:01:56	0.118	0.119	0.117
324	2017/06/07 14:02:56	0.117	0.118	0.118
325	2017/06/07 14:03:56	0.117	0.119	0.117
326	2017/06/07 14:04:56	0.118	0.119	0.118
327	2017/06/07 14:05:56	0.118	0.120	0.119
328	2017/06/07 14:06:56	0.117	0.118	0.116
329	2017/06/07 14:07:56	0.117	0.119	0.118
330	2017/06/07 14:08:56	0.117	0.118	0.117
331	2017/06/07 14:09:56	0.116	0.118	0.118
332	2017/06/07 14:10:56	0.117	0.119	0.117
333	2017/06/07 14:11:56	0.117	0.119	0.118
334	2017/06/07 14:12:56	0.116	0.119	0.117
335	2017/06/07 14:13:56	0.116	0.118	0.114
336	2017/06/07 14:14:56	0.115	0.117	0.117
337	2017/06/07 14:15:56	0.116	0.118	0.117

338	2017/06/07	14:16:56	0.114	0.117	0.114
339	2017/06/07	14:17:56	0.114	0.116	0.113
340	2017/06/07	14:18:56	0.113	0.115	0.114
341	2017/06/07	14:19:56	0.114	0.115	0.114
342	2017/06/07	14:20:56	0.113	0.115	0.113
343	2017/06/07	14:21:56	0.113	0.114	0.112
344	2017/06/07	14:22:56	0.111	0.112	0.110
345	2017/06/07	14:23:56	0.112	0.116	0.111
346	2017/06/07	14:24:56	0.112	0.114	0.112
347	2017/06/07	14:25:56	0.112	0.114	0.113
348	2017/06/07	14:26:56	0.113	0.117	0.112
349	2017/06/07	14:27:56	0.113	0.117	0.115
350	2017/06/07	14:28:56	0.114	0.116	0.116
351	2017/06/07	14:29:56	0.117	0.119	0.119
352	2017/06/07	14:30:56	0.119	0.122	0.121
353	2017/06/07	14:31:56	0.122	0.125	0.124
354	2017/06/07	14:32:56	0.125	0.131	0.128
355	2017/06/07	14:33:56	0.129	0.142	0.129
356	2017/06/07	14:34:56	0.128	0.131	0.131
357	2017/06/07	14:35:56	0.133	0.136	0.136
358	2017/06/07	14:36:56	0.137	0.141	0.141
359	2017/06/07	14:37:56	0.140	0.142	0.142
360	2017/06/07	14:38:56	0.143	0.145	0.144
361	2017/06/07	14:39:56	0.145	0.148	0.148
362	2017/06/07	14:40:56	0.148	0.151	0.150
363	2017/06/07	14:41:56	0.151	0.154	0.152
364	2017/06/07	14:42:56	0.153	0.156	0.155
365	2017/06/07	14:43:56	0.155	0.157	0.156
366	2017/06/07	14:44:56	0.156	0.160	0.156
367	2017/06/07	14:45:56	0.158	0.170	0.156
368	2017/06/07	14:46:56	0.157	0.160	0.160
369	2017/06/07	14:47:56	0.160	0.162	0.161
370	2017/06/07	14:48:56	0.161	0.163	0.162
371	2017/06/07	14:49:56	0.160	0.163	0.159
372	2017/06/07	14:50:56	0.158	0.160	0.156
373	2017/06/07	14:51:56	0.155	0.158	0.156
374	2017/06/07	14:52:56	0.155	0.157	0.155
375	2017/06/07	14:53:56	0.155	0.157	0.156
376	2017/06/07	14:54:56	0.156	0.169	0.152
377	2017/06/07	14:55:56	0.152	0.161	0.155
378	2017/06/07	14:56:56	0.153	0.154	0.153
379	2017/06/07	14:57:56	0.153	0.156	0.153
380	2017/06/07	14:58:56	0.152	0.154	0.153
381	2017/06/07	14:59:56	0.153	0.156	0.156
382	2017/06/07	15:00:56	0.151	0.156	0.149
383	2017/06/07	15:01:56	0.149	0.151	0.150
384	2017/06/07	15:02:56	0.148	0.150	0.148
385	2017/06/07	15:03:56	0.146	0.149	0.145
386	2017/06/07	15:04:56	0.143	0.146	0.142
387	2017/06/07	15:05:56	0.141	0.143	0.139
388	2017/06/07	15:06:56	0.139	0.143	0.140
389	2017/06/07	15:07:56	0.139	0.141	0.140
390	2017/06/07	15:08:56	0.139	0.140	0.140
391	2017/06/07	15:09:56	0.138	0.145	0.137
392	2017/06/07	15:10:56	0.136	0.138	0.136
393	2017/06/07	15:11:56	0.134	0.137	0.134
394	2017/06/07	15:12:56	0.132	0.134	0.130
395	2017/06/07	15:13:56	0.134	0.169	0.129
396	2017/06/07	15:14:56	0.129	0.130	0.129
397	2017/06/07	15:15:56	0.129	0.130	0.129
398	2017/06/07	15:16:56	0.127	0.129	0.126
399	2017/06/07	15:17:56	0.126	0.128	0.127
400	2017/06/07	15:18:56	0.126	0.129	0.126

401	2017/06/07	15:19:56	0.126	0.140	0.126
402	2017/06/07	15:20:56	0.126	0.132	0.125
403	2017/06/07	15:21:56	0.125	0.129	0.126
404	2017/06/07	15:22:56	0.126	0.128	0.126
405	2017/06/07	15:23:56	0.127	0.136	0.125
406	2017/06/07	15:24:56	0.126	0.127	0.126
407	2017/06/07	15:25:56	0.126	0.128	0.127
408	2017/06/07	15:26:56	0.126	0.128	0.127
409	2017/06/07	15:27:56	0.126	0.128	0.126
410	2017/06/07	15:28:56	0.126	0.133	0.126
411	2017/06/07	15:29:56	0.126	0.138	0.123
412	2017/06/07	15:30:56	0.122	0.126	0.122
413	2017/06/07	15:31:56	0.123	0.131	0.131
414	2017/06/07	15:32:56	0.124	0.146	0.122
415	2017/06/07	15:33:56	0.123	0.135	0.122
416	2017/06/07	15:34:56	0.123	0.125	0.122
417	2017/06/07	15:35:56	0.122	0.126	0.119
418	2017/06/07	15:36:56	0.115	0.120	0.114
419	2017/06/07	15:37:56	0.113	0.115	0.112
420	2017/06/07	15:38:56	0.113	0.114	0.113
421	2017/06/07	15:39:56	0.113	0.115	0.113
422	2017/06/07	15:40:56	0.113	0.120	0.114
423	2017/06/07	15:41:56	0.113	0.114	0.113
424	2017/06/07	15:42:56	0.113	0.114	0.113
425	2017/06/07	15:43:56	0.112	0.114	0.114
426	2017/06/07	15:44:56	0.113	0.115	0.113
427	2017/06/07	15:45:56	0.113	0.115	0.115
428	2017/06/07	15:46:56	0.114	0.116	0.115
429	2017/06/07	15:47:56	0.115	0.116	0.116
430	2017/06/07	15:48:56	0.115	0.117	0.117
431	2017/06/07	15:49:56	0.134	0.181	0.123
432	2017/06/07	15:50:56	0.121	0.126	0.123
433	2017/06/07	15:51:56	0.121	0.126	0.126
434	2017/06/07	15:52:56	0.122	0.127	0.119
435	2017/06/07	15:53:56	0.119	0.122	0.118
436	2017/06/07	15:54:56	0.119	0.121	0.120
437	2017/06/07	15:55:56	0.125	0.139	0.122
438	2017/06/07	15:56:56	0.123	0.129	0.129
439	2017/06/07	15:57:56	0.147	0.215	0.132
440	2017/06/07	15:58:56	0.125	0.132	0.122
441	2017/06/07	15:59:56	0.121	0.130	0.121
442	2017/06/07	16:00:56	0.119	0.122	0.119
443	2017/06/07	16:01:56	0.117	0.120	0.118
444	2017/06/07	16:02:56	0.122	0.149	0.114
445	2017/06/07	16:03:56	0.115	0.118	0.117
446	2017/06/07	16:04:56	0.130	0.239	0.147
447	2017/06/07	16:05:56	0.125	0.144	0.122
448	2017/06/07	16:06:56	0.120	0.123	0.121
449	2017/06/07	16:07:56	0.126	0.150	0.150
450	2017/06/07	16:08:56	0.126	0.160	0.122
451	2017/06/07	16:09:56	0.122	0.125	0.119
452	2017/06/07	16:10:56	0.120	0.123	0.123
453	2017/06/07	16:11:56	0.121	0.124	0.122
454	2017/06/07	16:12:56	0.123	0.133	0.119
455	2017/06/07	16:13:56	0.123	0.135	0.122
456	2017/06/07	16:14:56	0.121	0.135	0.120
457	2017/06/07	16:15:56	0.119	0.121	0.120
458	2017/06/07	16:16:56	0.169	0.334	0.132
459	2017/06/07	16:17:56	0.125	0.131	0.124
460	2017/06/07	16:18:56	0.124	0.130	0.123
461	2017/06/07	16:19:56	0.119	0.122	0.120
462	2017/06/07	16:20:56	0.118	0.120	0.120
463	2017/06/07	16:21:56	0.118	0.122	0.120

464	2017/06/07 16:22:56	0.120	0.121	0.121
465	2017/06/07 16:23:56	0.120	0.127	0.120
466	2017/06/07 16:24:56	0.119	0.121	0.117
467	2017/06/07 16:25:56	0.117	0.119	0.116
468	2017/06/07 16:26:56	0.116	0.119	0.116
469	2017/06/07 16:27:56	0.116	0.117	0.116
470	2017/06/07 16:28:56	0.115	0.117	0.114
471	2017/06/07 16:29:56	0.112	0.115	0.115
472	2017/06/07 16:30:56	0.113	0.115	0.113
473	2017/06/07 16:31:56	0.114	0.115	0.114
474	2017/06/07 16:32:56	0.114	0.115	0.115
475	2017/06/07 16:33:56	0.115	0.117	0.117
476	2017/06/07 16:34:56	0.116	0.118	0.117
477	2017/06/07 16:35:56	0.116	0.117	0.117
478	2017/06/07 16:36:56	0.116	0.118	0.117
479	2017/06/07 16:37:56	0.118	0.120	0.120
480	2017/06/07 16:38:56	0.120	0.121	0.120
481	2017/06/07 16:39:56	0.120	0.122	0.120
482	2017/06/07 16:40:56	0.120	0.122	0.121
Peak		0.262	0.407	0.278
Min		0.020	0.024	0.021
Average		0.125	0.134	0.126

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2017/06/07 08:39:56	0.000	---
002	2017/06/07 08:40:56	0.000	---
003	2017/06/07 08:41:56	0.000	---
004	2017/06/07 08:42:56	0.000	---
005	2017/06/07 08:43:56	0.000	---
006	2017/06/07 08:44:56	0.000	---
007	2017/06/07 08:45:56	0.000	---
008	2017/06/07 08:46:56	0.001	---
009	2017/06/07 08:47:56	0.001	---
010	2017/06/07 08:48:56	0.001	---
011	2017/06/07 08:49:56	0.002	---
012	2017/06/07 08:50:56	0.002	---
013	2017/06/07 08:51:56	0.002	---
014	2017/06/07 08:52:56	0.002	---
015	2017/06/07 08:53:56	0.003	0.089
016	2017/06/07 08:54:56	0.003	0.096
017	2017/06/07 08:55:56	0.003	0.103
018	2017/06/07 08:56:56	0.004	0.110
019	2017/06/07 08:57:56	0.004	0.118
020	2017/06/07 08:58:56	0.004	0.125
021	2017/06/07 08:59:56	0.004	0.132
022	2017/06/07 09:00:56	0.005	0.139
023	2017/06/07 09:01:56	0.005	0.135
024	2017/06/07 09:02:56	0.005	0.134
025	2017/06/07 09:03:56	0.006	0.134
026	2017/06/07 09:04:56	0.006	0.133
027	2017/06/07 09:05:56	0.006	0.132
028	2017/06/07 09:06:56	0.006	0.132
029	2017/06/07 09:07:56	0.007	0.131
030	2017/06/07 09:08:56	0.007	0.130
031	2017/06/07 09:09:56	0.007	0.130
032	2017/06/07 09:10:56	0.007	0.129
033	2017/06/07 09:11:56	0.008	0.129
034	2017/06/07 09:12:56	0.008	0.128
035	2017/06/07 09:13:56	0.008	0.128
036	2017/06/07 09:14:56	0.008	0.127
037	2017/06/07 09:15:56	0.009	0.127

038	2017/06/07 09:16:56	0.009	0.126
039	2017/06/07 09:17:56	0.009	0.125
040	2017/06/07 09:18:56	0.009	0.125
041	2017/06/07 09:19:56	0.010	0.125
042	2017/06/07 09:20:56	0.010	0.124
043	2017/06/07 09:21:56	0.010	0.124
044	2017/06/07 09:22:56	0.010	0.124
045	2017/06/07 09:23:56	0.011	0.124
046	2017/06/07 09:24:56	0.011	0.124
047	2017/06/07 09:25:56	0.011	0.124
048	2017/06/07 09:26:56	0.011	0.124
049	2017/06/07 09:27:56	0.012	0.124
050	2017/06/07 09:28:56	0.012	0.124
051	2017/06/07 09:29:56	0.012	0.123
052	2017/06/07 09:30:56	0.013	0.123
053	2017/06/07 09:31:56	0.013	0.124
054	2017/06/07 09:32:56	0.013	0.124
055	2017/06/07 09:33:56	0.013	0.124
056	2017/06/07 09:34:56	0.014	0.124
057	2017/06/07 09:35:56	0.014	0.124
058	2017/06/07 09:36:56	0.014	0.125
059	2017/06/07 09:37:56	0.014	0.125
060	2017/06/07 09:38:56	0.015	0.125
061	2017/06/07 09:39:56	0.015	0.126
062	2017/06/07 09:40:56	0.015	0.127
063	2017/06/07 09:41:56	0.015	0.128
064	2017/06/07 09:42:56	0.016	0.128
065	2017/06/07 09:43:56	0.016	0.130
066	2017/06/07 09:44:56	0.016	0.131
067	2017/06/07 09:45:56	0.017	0.132
068	2017/06/07 09:46:56	0.017	0.133
069	2017/06/07 09:47:56	0.017	0.134
070	2017/06/07 09:48:56	0.018	0.135
071	2017/06/07 09:49:56	0.018	0.136
072	2017/06/07 09:50:56	0.018	0.137
073	2017/06/07 09:51:56	0.018	0.138
074	2017/06/07 09:52:56	0.019	0.138
075	2017/06/07 09:53:56	0.019	0.139
076	2017/06/07 09:54:56	0.019	0.140
077	2017/06/07 09:55:56	0.020	0.150
078	2017/06/07 09:56:56	0.020	0.153
079	2017/06/07 09:57:56	0.021	0.154
080	2017/06/07 09:58:56	0.021	0.154
081	2017/06/07 09:59:56	0.021	0.156
082	2017/06/07 10:00:56	0.022	0.156
083	2017/06/07 10:01:56	0.022	0.156
084	2017/06/07 10:02:56	0.022	0.156
085	2017/06/07 10:03:56	0.022	0.156
086	2017/06/07 10:04:56	0.023	0.156
087	2017/06/07 10:05:56	0.023	0.155
088	2017/06/07 10:06:56	0.023	0.155
089	2017/06/07 10:07:56	0.024	0.155
090	2017/06/07 10:08:56	0.024	0.154
091	2017/06/07 10:09:56	0.024	0.154
092	2017/06/07 10:10:56	0.024	0.145
093	2017/06/07 10:11:56	0.025	0.142
094	2017/06/07 10:12:56	0.025	0.141
095	2017/06/07 10:13:56	0.025	0.140
096	2017/06/07 10:14:56	0.026	0.139
097	2017/06/07 10:15:56	0.026	0.138
098	2017/06/07 10:16:56	0.026	0.138
099	2017/06/07 10:17:56	0.026	0.138
100	2017/06/07 10:18:56	0.027	0.138

101	2017/06/07 10:19:56	0.027	0.139
102	2017/06/07 10:20:56	0.027	0.139
103	2017/06/07 10:21:56	0.028	0.139
104	2017/06/07 10:22:56	0.028	0.140
105	2017/06/07 10:23:56	0.028	0.140
106	2017/06/07 10:24:56	0.028	0.140
107	2017/06/07 10:25:56	0.029	0.141
108	2017/06/07 10:26:56	0.029	0.141
109	2017/06/07 10:27:56	0.029	0.141
110	2017/06/07 10:28:56	0.030	0.141
111	2017/06/07 10:29:56	0.030	0.142
112	2017/06/07 10:30:56	0.030	0.142
113	2017/06/07 10:31:56	0.031	0.142
114	2017/06/07 10:32:56	0.031	0.143
115	2017/06/07 10:33:56	0.031	0.143
116	2017/06/07 10:34:56	0.031	0.143
117	2017/06/07 10:35:56	0.032	0.143
118	2017/06/07 10:36:56	0.032	0.144
119	2017/06/07 10:37:56	0.032	0.144
120	2017/06/07 10:38:56	0.033	0.144
121	2017/06/07 10:39:56	0.033	0.145
122	2017/06/07 10:40:56	0.033	0.145
123	2017/06/07 10:41:56	0.034	0.145
124	2017/06/07 10:42:56	0.034	0.145
125	2017/06/07 10:43:56	0.034	0.145
126	2017/06/07 10:44:56	0.035	0.145
127	2017/06/07 10:45:56	0.035	0.145
128	2017/06/07 10:46:56	0.035	0.145
129	2017/06/07 10:47:56	0.035	0.145
130	2017/06/07 10:48:56	0.036	0.145
131	2017/06/07 10:49:56	0.036	0.144
132	2017/06/07 10:50:56	0.036	0.144
133	2017/06/07 10:51:56	0.037	0.144
134	2017/06/07 10:52:56	0.037	0.143
135	2017/06/07 10:53:56	0.037	0.143
136	2017/06/07 10:54:56	0.037	0.142
137	2017/06/07 10:55:56	0.038	0.142
138	2017/06/07 10:56:56	0.038	0.142
139	2017/06/07 10:57:56	0.038	0.142
140	2017/06/07 10:58:56	0.039	0.142
141	2017/06/07 10:59:56	0.039	0.141
142	2017/06/07 11:00:56	0.039	0.141
143	2017/06/07 11:01:56	0.040	0.141
144	2017/06/07 11:02:56	0.040	0.142
145	2017/06/07 11:03:56	0.040	0.142
146	2017/06/07 11:04:56	0.040	0.142
147	2017/06/07 11:05:56	0.041	0.142
148	2017/06/07 11:06:56	0.041	0.142
149	2017/06/07 11:07:56	0.041	0.143
150	2017/06/07 11:08:56	0.042	0.143
151	2017/06/07 11:09:56	0.042	0.143
152	2017/06/07 11:10:56	0.042	0.144
153	2017/06/07 11:11:56	0.043	0.144
154	2017/06/07 11:12:56	0.043	0.144
155	2017/06/07 11:13:56	0.043	0.144
156	2017/06/07 11:14:56	0.043	0.144
157	2017/06/07 11:15:56	0.044	0.144
158	2017/06/07 11:16:56	0.044	0.144
159	2017/06/07 11:17:56	0.044	0.143
160	2017/06/07 11:18:56	0.045	0.143
161	2017/06/07 11:19:56	0.045	0.142
162	2017/06/07 11:20:56	0.045	0.141
163	2017/06/07 11:21:56	0.045	0.141

164	2017/06/07 11:22:56	0.046	0.140
165	2017/06/07 11:23:56	0.046	0.139
166	2017/06/07 11:24:56	0.046	0.138
167	2017/06/07 11:25:56	0.047	0.136
168	2017/06/07 11:26:56	0.047	0.135
169	2017/06/07 11:27:56	0.047	0.133
170	2017/06/07 11:28:56	0.047	0.132
171	2017/06/07 11:29:56	0.048	0.131
172	2017/06/07 11:30:56	0.048	0.129
173	2017/06/07 11:31:56	0.048	0.128
174	2017/06/07 11:32:56	0.048	0.127
175	2017/06/07 11:33:56	0.049	0.126
176	2017/06/07 11:34:56	0.049	0.125
177	2017/06/07 11:35:56	0.049	0.124
178	2017/06/07 11:36:56	0.049	0.122
179	2017/06/07 11:37:56	0.049	0.121
180	2017/06/07 11:38:56	0.050	0.120
181	2017/06/07 11:39:56	0.050	0.119
182	2017/06/07 11:40:56	0.050	0.118
183	2017/06/07 11:41:56	0.050	0.117
184	2017/06/07 11:42:56	0.051	0.116
185	2017/06/07 11:43:56	0.051	0.115
186	2017/06/07 11:44:56	0.051	0.115
187	2017/06/07 11:45:56	0.051	0.114
188	2017/06/07 11:46:56	0.052	0.113
189	2017/06/07 11:47:56	0.052	0.112
190	2017/06/07 11:48:56	0.052	0.112
191	2017/06/07 11:49:56	0.052	0.111
192	2017/06/07 11:50:56	0.053	0.114
193	2017/06/07 11:51:56	0.053	0.115
194	2017/06/07 11:52:56	0.053	0.114
195	2017/06/07 11:53:56	0.053	0.115
196	2017/06/07 11:54:56	0.054	0.115
197	2017/06/07 11:55:56	0.054	0.115
198	2017/06/07 11:56:56	0.054	0.115
199	2017/06/07 11:57:56	0.054	0.115
200	2017/06/07 11:58:56	0.054	0.116
201	2017/06/07 11:59:56	0.055	0.116
202	2017/06/07 12:00:56	0.055	0.116
203	2017/06/07 12:01:56	0.055	0.116
204	2017/06/07 12:02:56	0.055	0.116
205	2017/06/07 12:03:56	0.056	0.117
206	2017/06/07 12:04:56	0.056	0.117
207	2017/06/07 12:05:56	0.056	0.114
208	2017/06/07 12:06:56	0.056	0.113
209	2017/06/07 12:07:56	0.057	0.113
210	2017/06/07 12:08:56	0.057	0.113
211	2017/06/07 12:09:56	0.057	0.113
212	2017/06/07 12:10:56	0.057	0.114
213	2017/06/07 12:11:56	0.058	0.114
214	2017/06/07 12:12:56	0.058	0.114
215	2017/06/07 12:13:56	0.058	0.114
216	2017/06/07 12:14:56	0.058	0.115
217	2017/06/07 12:15:56	0.059	0.115
218	2017/06/07 12:16:56	0.059	0.116
219	2017/06/07 12:17:56	0.059	0.117
220	2017/06/07 12:18:56	0.059	0.118
221	2017/06/07 12:19:56	0.060	0.118
222	2017/06/07 12:20:56	0.060	0.119
223	2017/06/07 12:21:56	0.060	0.119
224	2017/06/07 12:22:56	0.060	0.120
225	2017/06/07 12:23:56	0.061	0.121
226	2017/06/07 12:24:56	0.061	0.122

227	2017/06/07 12:25:56	0.061	0.122
228	2017/06/07 12:26:56	0.061	0.123
229	2017/06/07 12:27:56	0.062	0.123
230	2017/06/07 12:28:56	0.062	0.124
231	2017/06/07 12:29:56	0.062	0.124
232	2017/06/07 12:30:56	0.062	0.124
233	2017/06/07 12:31:56	0.063	0.124
234	2017/06/07 12:32:56	0.063	0.124
235	2017/06/07 12:33:56	0.063	0.124
236	2017/06/07 12:34:56	0.063	0.124
237	2017/06/07 12:35:56	0.064	0.124
238	2017/06/07 12:36:56	0.064	0.124
239	2017/06/07 12:37:56	0.064	0.124
240	2017/06/07 12:38:56	0.064	0.124
241	2017/06/07 12:39:56	0.065	0.124
242	2017/06/07 12:40:56	0.065	0.123
243	2017/06/07 12:41:56	0.065	0.123
244	2017/06/07 12:42:56	0.066	0.123
245	2017/06/07 12:43:56	0.066	0.123
246	2017/06/07 12:44:56	0.066	0.124
247	2017/06/07 12:45:56	0.066	0.124
248	2017/06/07 12:46:56	0.067	0.124
249	2017/06/07 12:47:56	0.067	0.124
250	2017/06/07 12:48:56	0.067	0.124
251	2017/06/07 12:49:56	0.067	0.124
252	2017/06/07 12:50:56	0.068	0.123
253	2017/06/07 12:51:56	0.068	0.123
254	2017/06/07 12:52:56	0.068	0.123
255	2017/06/07 12:53:56	0.068	0.123
256	2017/06/07 12:54:56	0.069	0.122
257	2017/06/07 12:55:56	0.069	0.122
258	2017/06/07 12:56:56	0.069	0.122
259	2017/06/07 12:57:56	0.069	0.122
260	2017/06/07 12:58:56	0.070	0.122
261	2017/06/07 12:59:56	0.070	0.120
262	2017/06/07 13:00:56	0.070	0.119
263	2017/06/07 13:01:56	0.070	0.119
264	2017/06/07 13:02:56	0.071	0.118
265	2017/06/07 13:03:56	0.071	0.117
266	2017/06/07 13:04:56	0.071	0.117
267	2017/06/07 13:05:56	0.071	0.116
268	2017/06/07 13:06:56	0.071	0.115
269	2017/06/07 13:07:56	0.072	0.114
270	2017/06/07 13:08:56	0.072	0.114
271	2017/06/07 13:09:56	0.072	0.113
272	2017/06/07 13:10:56	0.072	0.113
273	2017/06/07 13:11:56	0.073	0.112
274	2017/06/07 13:12:56	0.073	0.111
275	2017/06/07 13:13:56	0.073	0.111
276	2017/06/07 13:14:56	0.073	0.111
277	2017/06/07 13:15:56	0.073	0.111
278	2017/06/07 13:16:56	0.074	0.111
279	2017/06/07 13:17:56	0.074	0.111
280	2017/06/07 13:18:56	0.074	0.110
281	2017/06/07 13:19:56	0.074	0.110
282	2017/06/07 13:20:56	0.075	0.111
283	2017/06/07 13:21:56	0.075	0.111
284	2017/06/07 13:22:56	0.075	0.111
285	2017/06/07 13:23:56	0.075	0.111
286	2017/06/07 13:24:56	0.076	0.111
287	2017/06/07 13:25:56	0.076	0.111
288	2017/06/07 13:26:56	0.076	0.111
289	2017/06/07 13:27:56	0.076	0.111

290	2017/06/07 13:28:56	0.076	0.111
291	2017/06/07 13:29:56	0.077	0.111
292	2017/06/07 13:30:56	0.077	0.111
293	2017/06/07 13:31:56	0.077	0.111
294	2017/06/07 13:32:56	0.077	0.112
295	2017/06/07 13:33:56	0.078	0.112
296	2017/06/07 13:34:56	0.078	0.112
297	2017/06/07 13:35:56	0.078	0.112
298	2017/06/07 13:36:56	0.078	0.112
299	2017/06/07 13:37:56	0.079	0.112
300	2017/06/07 13:38:56	0.079	0.112
301	2017/06/07 13:39:56	0.079	0.112
302	2017/06/07 13:40:56	0.079	0.113
303	2017/06/07 13:41:56	0.080	0.113
304	2017/06/07 13:42:56	0.080	0.113
305	2017/06/07 13:43:56	0.080	0.113
306	2017/06/07 13:44:56	0.080	0.113
307	2017/06/07 13:45:56	0.080	0.113
308	2017/06/07 13:46:56	0.081	0.113
309	2017/06/07 13:47:56	0.081	0.112
310	2017/06/07 13:48:56	0.081	0.113
311	2017/06/07 13:49:56	0.081	0.113
312	2017/06/07 13:50:56	0.082	0.114
313	2017/06/07 13:51:56	0.082	0.114
314	2017/06/07 13:52:56	0.082	0.114
315	2017/06/07 13:53:56	0.082	0.114
316	2017/06/07 13:54:56	0.083	0.114
317	2017/06/07 13:55:56	0.083	0.114
318	2017/06/07 13:56:56	0.083	0.114
319	2017/06/07 13:57:56	0.083	0.114
320	2017/06/07 13:58:56	0.084	0.115
321	2017/06/07 13:59:56	0.084	0.116
322	2017/06/07 14:00:56	0.084	0.116
323	2017/06/07 14:01:56	0.084	0.116
324	2017/06/07 14:02:56	0.085	0.117
325	2017/06/07 14:03:56	0.085	0.117
326	2017/06/07 14:04:56	0.085	0.117
327	2017/06/07 14:05:56	0.085	0.117
328	2017/06/07 14:06:56	0.086	0.118
329	2017/06/07 14:07:56	0.086	0.118
330	2017/06/07 14:08:56	0.086	0.118
331	2017/06/07 14:09:56	0.086	0.118
332	2017/06/07 14:10:56	0.087	0.118
333	2017/06/07 14:11:56	0.087	0.118
334	2017/06/07 14:12:56	0.087	0.118
335	2017/06/07 14:13:56	0.087	0.118
336	2017/06/07 14:14:56	0.088	0.117
337	2017/06/07 14:15:56	0.088	0.117
338	2017/06/07 14:16:56	0.088	0.117
339	2017/06/07 14:17:56	0.088	0.117
340	2017/06/07 14:18:56	0.088	0.116
341	2017/06/07 14:19:56	0.089	0.116
342	2017/06/07 14:20:56	0.089	0.116
343	2017/06/07 14:21:56	0.089	0.116
344	2017/06/07 14:22:56	0.089	0.115
345	2017/06/07 14:23:56	0.090	0.115
346	2017/06/07 14:24:56	0.090	0.114
347	2017/06/07 14:25:56	0.090	0.114
348	2017/06/07 14:26:56	0.090	0.114
349	2017/06/07 14:27:56	0.091	0.113
350	2017/06/07 14:28:56	0.091	0.114
351	2017/06/07 14:29:56	0.091	0.114
352	2017/06/07 14:30:56	0.091	0.114

353	2017/06/07	14:31:56	0.092	0.115
354	2017/06/07	14:32:56	0.092	0.116
355	2017/06/07	14:33:56	0.092	0.117
356	2017/06/07	14:34:56	0.092	0.118
357	2017/06/07	14:35:56	0.093	0.119
358	2017/06/07	14:36:56	0.093	0.121
359	2017/06/07	14:37:56	0.093	0.123
360	2017/06/07	14:38:56	0.094	0.126
361	2017/06/07	14:39:56	0.094	0.128
362	2017/06/07	14:40:56	0.094	0.130
363	2017/06/07	14:41:56	0.095	0.133
364	2017/06/07	14:42:56	0.095	0.136
365	2017/06/07	14:43:56	0.095	0.138
366	2017/06/07	14:44:56	0.095	0.141
367	2017/06/07	14:45:56	0.096	0.143
368	2017/06/07	14:46:56	0.096	0.146
369	2017/06/07	14:47:56	0.096	0.148
370	2017/06/07	14:48:56	0.097	0.150
371	2017/06/07	14:49:56	0.097	0.152
372	2017/06/07	14:50:56	0.097	0.153
373	2017/06/07	14:51:56	0.098	0.154
374	2017/06/07	14:52:56	0.098	0.155
375	2017/06/07	14:53:56	0.098	0.156
376	2017/06/07	14:54:56	0.099	0.156
377	2017/06/07	14:55:56	0.099	0.156
378	2017/06/07	14:56:56	0.099	0.157
379	2017/06/07	14:57:56	0.100	0.156
380	2017/06/07	14:58:56	0.100	0.156
381	2017/06/07	14:59:56	0.100	0.156
382	2017/06/07	15:00:56	0.101	0.156
383	2017/06/07	15:01:56	0.101	0.155
384	2017/06/07	15:02:56	0.101	0.154
385	2017/06/07	15:03:56	0.102	0.153
386	2017/06/07	15:04:56	0.102	0.152
387	2017/06/07	15:05:56	0.102	0.151
388	2017/06/07	15:06:56	0.102	0.150
389	2017/06/07	15:07:56	0.103	0.149
390	2017/06/07	15:08:56	0.103	0.148
391	2017/06/07	15:09:56	0.103	0.147
392	2017/06/07	15:10:56	0.104	0.145
393	2017/06/07	15:11:56	0.104	0.144
394	2017/06/07	15:12:56	0.104	0.143
395	2017/06/07	15:13:56	0.104	0.141
396	2017/06/07	15:14:56	0.105	0.139
397	2017/06/07	15:15:56	0.105	0.138
398	2017/06/07	15:16:56	0.105	0.136
399	2017/06/07	15:17:56	0.106	0.135
400	2017/06/07	15:18:56	0.106	0.134
401	2017/06/07	15:19:56	0.106	0.133
402	2017/06/07	15:20:56	0.106	0.132
403	2017/06/07	15:21:56	0.107	0.131
404	2017/06/07	15:22:56	0.107	0.130
405	2017/06/07	15:23:56	0.107	0.129
406	2017/06/07	15:24:56	0.107	0.128
407	2017/06/07	15:25:56	0.108	0.127
408	2017/06/07	15:26:56	0.108	0.127
409	2017/06/07	15:27:56	0.108	0.127
410	2017/06/07	15:28:56	0.108	0.126
411	2017/06/07	15:29:56	0.109	0.126
412	2017/06/07	15:30:56	0.109	0.126
413	2017/06/07	15:31:56	0.109	0.126
414	2017/06/07	15:32:56	0.109	0.126
415	2017/06/07	15:33:56	0.110	0.125

416	2017/06/07 15:34:56	0.110	0.125
417	2017/06/07 15:35:56	0.110	0.125
418	2017/06/07 15:36:56	0.110	0.124
419	2017/06/07 15:37:56	0.111	0.123
420	2017/06/07 15:38:56	0.111	0.122
421	2017/06/07 15:39:56	0.111	0.121
422	2017/06/07 15:40:56	0.111	0.120
423	2017/06/07 15:41:56	0.112	0.119
424	2017/06/07 15:42:56	0.112	0.119
425	2017/06/07 15:43:56	0.112	0.118
426	2017/06/07 15:44:56	0.112	0.117
427	2017/06/07 15:45:56	0.113	0.117
428	2017/06/07 15:46:56	0.113	0.116
429	2017/06/07 15:47:56	0.113	0.115
430	2017/06/07 15:48:56	0.113	0.115
431	2017/06/07 15:49:56	0.114	0.115
432	2017/06/07 15:50:56	0.114	0.115
433	2017/06/07 15:51:56	0.114	0.116
434	2017/06/07 15:52:56	0.114	0.116
435	2017/06/07 15:53:56	0.115	0.117
436	2017/06/07 15:54:56	0.115	0.117
437	2017/06/07 15:55:56	0.115	0.118
438	2017/06/07 15:56:56	0.115	0.119
439	2017/06/07 15:57:56	0.116	0.120
440	2017/06/07 15:58:56	0.116	0.121
441	2017/06/07 15:59:56	0.116	0.121
442	2017/06/07 16:00:56	0.116	0.121
443	2017/06/07 16:01:56	0.117	0.122
444	2017/06/07 16:02:56	0.117	0.122
445	2017/06/07 16:03:56	0.117	0.122
446	2017/06/07 16:04:56	0.117	0.123
447	2017/06/07 16:05:56	0.118	0.123
448	2017/06/07 16:06:56	0.118	0.123
449	2017/06/07 16:07:56	0.118	0.125
450	2017/06/07 16:08:56	0.118	0.125
451	2017/06/07 16:09:56	0.119	0.125
452	2017/06/07 16:10:56	0.119	0.125
453	2017/06/07 16:11:56	0.119	0.125
454	2017/06/07 16:12:56	0.119	0.124
455	2017/06/07 16:13:56	0.120	0.124
456	2017/06/07 16:14:56	0.120	0.124
457	2017/06/07 16:15:56	0.120	0.124
458	2017/06/07 16:16:56	0.121	0.125
459	2017/06/07 16:17:56	0.121	0.125
460	2017/06/07 16:18:56	0.121	0.126
461	2017/06/07 16:19:56	0.121	0.124
462	2017/06/07 16:20:56	0.122	0.124
463	2017/06/07 16:21:56	0.122	0.124
464	2017/06/07 16:22:56	0.122	0.122
465	2017/06/07 16:23:56	0.122	0.122
466	2017/06/07 16:24:56	0.123	0.122
467	2017/06/07 16:25:56	0.123	0.121
468	2017/06/07 16:26:56	0.123	0.121
469	2017/06/07 16:27:56	0.123	0.120
470	2017/06/07 16:28:56	0.123	0.120
471	2017/06/07 16:29:56	0.124	0.120
472	2017/06/07 16:30:56	0.124	0.119
473	2017/06/07 16:31:56	0.124	0.118
474	2017/06/07 16:32:56	0.124	0.117
475	2017/06/07 16:33:56	0.125	0.117
476	2017/06/07 16:34:56	0.125	0.117
477	2017/06/07 16:35:56	0.125	0.117
478	2017/06/07 16:36:56	0.125	0.116

479	2017/06/07 16:37:56	0.126	0.116
480	2017/06/07 16:38:56	0.126	0.116
481	2017/06/07 16:39:56	0.126	0.116
482	2017/06/07 16:40:56	0.126	0.117

17/06/08 08:22

Summary

Unit Name	MiniRAE 3000
Unit SN	592-909023
Unit Firmware Ver	V1.10C
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2017/06/08 08:22:46
End	2017/06/08 16:22:21
Sample Period(s)	60
Number of Records	479
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	5.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2017/06/08 08:20
Peak	0.151
Min	0.000
Average	0.048

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2017/06/08 08:23:46	0.000	0.000	0.000
002	2017/06/08 08:24:46	0.000	0.000	0.000
003	2017/06/08 08:25:46	0.000	0.000	0.000
004	2017/06/08 08:26:46	0.000	0.000	0.000
005	2017/06/08 08:27:46	0.000	0.000	0.000
006	2017/06/08 08:28:46	0.000	0.000	0.000
007	2017/06/08 08:29:46	0.000	0.000	0.000
008	2017/06/08 08:30:46	0.000	0.000	0.000
009	2017/06/08 08:31:46	0.049	0.188	0.049
010	2017/06/08 08:32:46	0.034	0.048	0.026
011	2017/06/08 08:33:46	0.025	0.027	0.023
012	2017/06/08 08:34:46	0.020	0.023	0.019
013	2017/06/08 08:35:46	0.022	0.027	0.025
014	2017/06/08 08:36:46	0.044	0.086	0.031
015	2017/06/08 08:37:46	0.030	0.032	0.031
016	2017/06/08 08:38:46	0.026	0.032	0.023
017	2017/06/08 08:39:46	0.022	0.025	0.022
018	2017/06/08 08:40:46	0.023	0.026	0.024
019	2017/06/08 08:41:46	0.024	0.026	0.024
020	2017/06/08 08:42:46	0.024	0.027	0.026
021	2017/06/08 08:43:46	0.026	0.029	0.028
022	2017/06/08 08:44:46	0.027	0.029	0.028

023	2017/06/08	08:45:46	0.029	0.031	0.028
024	2017/06/08	08:46:46	0.029	0.031	0.030
025	2017/06/08	08:47:46	0.029	0.031	0.031
026	2017/06/08	08:48:46	0.030	0.034	0.028
027	2017/06/08	08:49:46	0.029	0.031	0.029
028	2017/06/08	08:50:46	0.033	0.076	0.052
029	2017/06/08	08:51:46	0.032	0.064	0.031
030	2017/06/08	08:52:46	0.031	0.032	0.032
031	2017/06/08	08:53:46	0.032	0.046	0.031
032	2017/06/08	08:54:46	0.031	0.033	0.033
033	2017/06/08	08:55:46	0.051	0.147	0.031
034	2017/06/08	08:56:46	0.030	0.034	0.031
035	2017/06/08	08:57:46	0.035	0.055	0.032
036	2017/06/08	08:58:46	0.031	0.033	0.032
037	2017/06/08	08:59:46	0.031	0.033	0.032
038	2017/06/08	09:00:46	0.032	0.034	0.034
039	2017/06/08	09:01:46	0.035	0.037	0.035
040	2017/06/08	09:02:46	0.035	0.038	0.037
041	2017/06/08	09:03:46	0.040	0.078	0.033
042	2017/06/08	09:04:46	0.034	0.035	0.033
043	2017/06/08	09:05:46	0.035	0.037	0.036
044	2017/06/08	09:06:46	0.036	0.038	0.035
045	2017/06/08	09:07:46	0.035	0.037	0.037
046	2017/06/08	09:08:46	0.034	0.038	0.033
047	2017/06/08	09:09:46	0.033	0.038	0.037
048	2017/06/08	09:10:46	0.037	0.039	0.037
049	2017/06/08	09:11:46	0.035	0.038	0.036
050	2017/06/08	09:12:46	0.035	0.038	0.035
051	2017/06/08	09:13:46	0.032	0.035	0.035
052	2017/06/08	09:14:46	0.037	0.040	0.039
053	2017/06/08	09:15:46	0.040	0.041	0.040
054	2017/06/08	09:16:46	0.040	0.042	0.042
055	2017/06/08	09:17:46	0.041	0.042	0.042
056	2017/06/08	09:18:46	0.038	0.042	0.038
057	2017/06/08	09:19:46	0.043	0.070	0.039
058	2017/06/08	09:20:46	0.039	0.040	0.040
059	2017/06/08	09:21:46	0.038	0.040	0.039
060	2017/06/08	09:22:46	0.037	0.039	0.037
061	2017/06/08	09:23:46	0.037	0.039	0.037
062	2017/06/08	09:24:46	0.037	0.039	0.039
063	2017/06/08	09:25:46	0.038	0.040	0.038
064	2017/06/08	09:26:46	0.039	0.042	0.039
065	2017/06/08	09:27:46	0.037	0.039	0.037
066	2017/06/08	09:28:46	0.039	0.040	0.040
067	2017/06/08	09:29:46	0.038	0.039	0.037
068	2017/06/08	09:30:46	0.037	0.039	0.038
069	2017/06/08	09:31:46	0.038	0.048	0.035
070	2017/06/08	09:32:46	0.036	0.037	0.037
071	2017/06/08	09:33:46	0.037	0.040	0.037
072	2017/06/08	09:34:46	0.036	0.039	0.037
073	2017/06/08	09:35:46	0.036	0.037	0.037
074	2017/06/08	09:36:46	0.038	0.064	0.030
075	2017/06/08	09:37:46	0.074	0.622	0.043
076	2017/06/08	09:38:46	0.034	0.041	0.035
077	2017/06/08	09:39:46	0.035	0.038	0.036
078	2017/06/08	09:40:46	0.036	0.054	0.035
079	2017/06/08	09:41:46	0.035	0.037	0.037
080	2017/06/08	09:42:46	0.036	0.037	0.034
081	2017/06/08	09:43:46	0.035	0.037	0.033
082	2017/06/08	09:44:46	0.034	0.036	0.035
083	2017/06/08	09:45:46	0.034	0.036	0.036
084	2017/06/08	09:46:46	0.036	0.038	0.037
085	2017/06/08	09:47:46	0.036	0.037	0.036

086	2017/06/08	09:48:46	0.036	0.038	0.037
087	2017/06/08	09:49:46	0.036	0.039	0.036
088	2017/06/08	09:50:46	0.036	0.039	0.039
089	2017/06/08	09:51:46	0.038	0.040	0.040
090	2017/06/08	09:52:46	0.037	0.045	0.036
091	2017/06/08	09:53:46	0.040	0.069	0.037
092	2017/06/08	09:54:46	0.037	0.040	0.038
093	2017/06/08	09:55:46	0.038	0.040	0.039
094	2017/06/08	09:56:46	0.040	0.044	0.044
095	2017/06/08	09:57:46	0.047	0.076	0.040
096	2017/06/08	09:58:46	0.041	0.044	0.043
097	2017/06/08	09:59:46	0.043	0.045	0.041
098	2017/06/08	10:00:46	0.041	0.043	0.041
099	2017/06/08	10:01:46	0.041	0.042	0.041
100	2017/06/08	10:02:46	0.039	0.041	0.040
101	2017/06/08	10:03:46	0.038	0.040	0.038
102	2017/06/08	10:04:46	0.032	0.038	0.032
103	2017/06/08	10:05:46	0.034	0.037	0.037
104	2017/06/08	10:06:46	0.038	0.040	0.039
105	2017/06/08	10:07:46	0.038	0.041	0.039
106	2017/06/08	10:08:46	0.039	0.041	0.041
107	2017/06/08	10:09:46	0.041	0.042	0.040
108	2017/06/08	10:10:46	0.042	0.044	0.043
109	2017/06/08	10:11:46	0.043	0.045	0.045
110	2017/06/08	10:12:46	0.045	0.046	0.046
111	2017/06/08	10:13:46	0.046	0.049	0.047
112	2017/06/08	10:14:46	0.047	0.048	0.047
113	2017/06/08	10:15:46	0.046	0.049	0.044
114	2017/06/08	10:16:46	0.047	0.048	0.048
115	2017/06/08	10:17:46	0.047	0.049	0.048
116	2017/06/08	10:18:46	0.047	0.049	0.047
117	2017/06/08	10:19:46	0.047	0.048	0.048
118	2017/06/08	10:20:46	0.047	0.049	0.046
119	2017/06/08	10:21:46	0.045	0.047	0.045
120	2017/06/08	10:22:46	0.045	0.047	0.045
121	2017/06/08	10:23:46	0.046	0.049	0.047
122	2017/06/08	10:24:46	0.046	0.050	0.048
123	2017/06/08	10:25:46	0.044	0.048	0.046
124	2017/06/08	10:26:46	0.044	0.048	0.043
125	2017/06/08	10:27:46	0.044	0.047	0.045
126	2017/06/08	10:28:46	0.045	0.047	0.046
127	2017/06/08	10:29:46	0.043	0.046	0.045
128	2017/06/08	10:30:46	0.045	0.047	0.046
129	2017/06/08	10:31:46	0.047	0.048	0.048
130	2017/06/08	10:32:46	0.045	0.048	0.045
131	2017/06/08	10:33:46	0.047	0.050	0.048
132	2017/06/08	10:34:46	0.051	0.056	0.053
133	2017/06/08	10:35:46	0.051	0.057	0.053
134	2017/06/08	10:36:46	0.055	0.059	0.057
135	2017/06/08	10:37:46	0.059	0.063	0.061
136	2017/06/08	10:38:46	0.059	0.067	0.059
137	2017/06/08	10:39:46	0.057	0.059	0.057
138	2017/06/08	10:40:46	0.057	0.059	0.057
139	2017/06/08	10:41:46	0.057	0.059	0.059
140	2017/06/08	10:42:46	0.055	0.058	0.055
141	2017/06/08	10:43:46	0.056	0.058	0.057
142	2017/06/08	10:44:46	0.057	0.061	0.060
143	2017/06/08	10:45:46	0.059	0.062	0.056
144	2017/06/08	10:46:46	0.055	0.058	0.055
145	2017/06/08	10:47:46	0.053	0.056	0.049
146	2017/06/08	10:48:46	0.056	0.059	0.058
147	2017/06/08	10:49:46	0.058	0.059	0.059
148	2017/06/08	10:50:46	0.059	0.061	0.059

149	2017/06/08	10:51:46	0.059	0.062	0.058
150	2017/06/08	10:52:46	0.057	0.068	0.060
151	2017/06/08	10:53:46	0.057	0.059	0.058
152	2017/06/08	10:54:46	0.058	0.062	0.061
153	2017/06/08	10:55:46	0.060	0.063	0.060
154	2017/06/08	10:56:46	0.060	0.062	0.062
155	2017/06/08	10:57:46	0.062	0.066	0.060
156	2017/06/08	10:58:46	0.060	0.064	0.061
157	2017/06/08	10:59:46	0.062	0.064	0.061
158	2017/06/08	11:00:46	0.060	0.063	0.061
159	2017/06/08	11:01:46	0.061	0.068	0.064
160	2017/06/08	11:02:46	0.068	0.124	0.060
161	2017/06/08	11:03:46	0.062	0.064	0.064
162	2017/06/08	11:04:46	0.060	0.064	0.059
163	2017/06/08	11:05:46	0.055	0.062	0.059
164	2017/06/08	11:06:46	0.058	0.061	0.058
165	2017/06/08	11:07:46	0.058	0.062	0.060
166	2017/06/08	11:08:46	0.057	0.061	0.060
167	2017/06/08	11:09:46	0.060	0.067	0.064
168	2017/06/08	11:10:46	0.065	0.069	0.069
169	2017/06/08	11:11:46	0.065	0.069	0.055
170	2017/06/08	11:12:46	0.063	0.069	0.069
171	2017/06/08	11:13:46	0.069	0.074	0.068
172	2017/06/08	11:14:46	0.068	0.072	0.072
173	2017/06/08	11:15:46	0.070	0.073	0.073
174	2017/06/08	11:16:46	0.073	0.075	0.073
175	2017/06/08	11:17:46	0.082	0.117	0.070
176	2017/06/08	11:18:46	0.072	0.077	0.074
177	2017/06/08	11:19:46	0.078	0.117	0.070
178	2017/06/08	11:20:46	0.073	0.077	0.073
179	2017/06/08	11:21:46	0.074	0.075	0.075
180	2017/06/08	11:22:46	0.075	0.078	0.077
181	2017/06/08	11:23:46	0.077	0.108	0.074
182	2017/06/08	11:24:46	0.074	0.076	0.075
183	2017/06/08	11:25:46	0.076	0.078	0.077
184	2017/06/08	11:26:46	0.075	0.078	0.072
185	2017/06/08	11:27:46	0.073	0.077	0.075
186	2017/06/08	11:28:46	0.077	0.079	0.078
187	2017/06/08	11:29:46	0.076	0.079	0.076
188	2017/06/08	11:30:46	0.076	0.079	0.075
189	2017/06/08	11:31:46	0.076	0.079	0.077
190	2017/06/08	11:32:46	0.075	0.077	0.074
191	2017/06/08	11:33:46	0.073	0.076	0.073
192	2017/06/08	11:34:46	0.069	0.078	0.066
193	2017/06/08	11:35:46	0.067	0.072	0.067
194	2017/06/08	11:36:46	0.070	0.073	0.071
195	2017/06/08	11:37:46	0.069	0.074	0.069
196	2017/06/08	11:38:46	0.067	0.073	0.073
197	2017/06/08	11:39:46	0.072	0.078	0.065
198	2017/06/08	11:40:46	0.067	0.075	0.072
199	2017/06/08	11:41:46	0.076	0.080	0.079
200	2017/06/08	11:42:46	0.079	0.082	0.082
201	2017/06/08	11:43:46	0.081	0.083	0.080
202	2017/06/08	11:44:46	0.082	0.086	0.086
203	2017/06/08	11:45:46	0.086	0.088	0.088
204	2017/06/08	11:46:46	0.088	0.089	0.088
205	2017/06/08	11:47:46	0.088	0.089	0.088
206	2017/06/08	11:48:46	0.088	0.091	0.090
207	2017/06/08	11:49:46	0.089	0.091	0.089
208	2017/06/08	11:50:46	0.087	0.091	0.084
209	2017/06/08	11:51:46	0.085	0.088	0.088
210	2017/06/08	11:52:46	0.087	0.091	0.091
211	2017/06/08	11:53:46	0.091	0.094	0.093

212	2017/06/08	11:54:46	0.089	0.094	0.087
213	2017/06/08	11:55:46	0.088	0.092	0.089
214	2017/06/08	11:56:46	0.091	0.094	0.094
215	2017/06/08	11:57:46	0.094	0.097	0.096
216	2017/06/08	11:58:46	0.095	0.098	0.096
217	2017/06/08	11:59:46	0.093	0.097	0.095
218	2017/06/08	12:00:46	0.096	0.098	0.097
219	2017/06/08	12:01:46	0.095	0.098	0.097
220	2017/06/08	12:02:46	0.091	0.097	0.092
221	2017/06/08	12:03:46	0.091	0.096	0.096
222	2017/06/08	12:04:46	0.094	0.096	0.091
223	2017/06/08	12:05:46	0.087	0.092	0.084
224	2017/06/08	12:06:46	0.084	0.090	0.079
225	2017/06/08	12:07:46	0.085	0.088	0.088
226	2017/06/08	12:08:46	0.087	0.088	0.088
227	2017/06/08	12:09:46	0.087	0.088	0.087
228	2017/06/08	12:10:46	0.086	0.087	0.085
229	2017/06/08	12:11:46	0.083	0.085	0.083
230	2017/06/08	12:12:46	0.080	0.082	0.080
231	2017/06/08	12:13:46	0.078	0.080	0.076
232	2017/06/08	12:14:46	0.076	0.077	0.076
233	2017/06/08	12:15:46	0.073	0.075	0.073
234	2017/06/08	12:16:46	0.070	0.072	0.072
235	2017/06/08	12:17:46	0.069	0.072	0.068
236	2017/06/08	12:18:46	0.068	0.070	0.070
237	2017/06/08	12:19:46	0.069	0.071	0.070
238	2017/06/08	12:20:46	0.069	0.070	0.069
239	2017/06/08	12:21:46	0.069	0.071	0.069
240	2017/06/08	12:22:46	0.067	0.069	0.068
241	2017/06/08	12:23:46	0.062	0.068	0.063
242	2017/06/08	12:24:46	0.064	0.068	0.067
243	2017/06/08	12:25:46	0.065	0.069	0.064
244	2017/06/08	12:26:46	0.057	0.065	0.059
245	2017/06/08	12:27:46	0.063	0.066	0.066
246	2017/06/08	12:28:46	0.067	0.070	0.070
247	2017/06/08	12:29:46	0.070	0.073	0.073
248	2017/06/08	12:30:46	0.072	0.074	0.072
249	2017/06/08	12:31:46	0.072	0.074	0.073
250	2017/06/08	12:32:46	0.075	0.078	0.077
251	2017/06/08	12:33:46	0.076	0.078	0.078
252	2017/06/08	12:34:46	0.078	0.079	0.078
253	2017/06/08	12:35:46	0.076	0.078	0.075
254	2017/06/08	12:36:46	0.074	0.076	0.073
255	2017/06/08	12:37:46	0.075	0.078	0.076
256	2017/06/08	12:38:46	0.075	0.077	0.069
257	2017/06/08	12:39:46	0.069	0.074	0.062
258	2017/06/08	12:40:46	0.068	0.073	0.066
259	2017/06/08	12:41:46	0.070	0.073	0.073
260	2017/06/08	12:42:46	0.071	0.073	0.073
261	2017/06/08	12:43:46	0.074	0.077	0.077
262	2017/06/08	12:44:46	0.077	0.078	0.076
263	2017/06/08	12:45:46	0.075	0.078	0.075
264	2017/06/08	12:46:46	0.077	0.080	0.080
265	2017/06/08	12:47:46	0.079	0.081	0.080
266	2017/06/08	12:48:46	0.082	0.084	0.084
267	2017/06/08	12:49:46	0.083	0.085	0.083
268	2017/06/08	12:50:46	0.082	0.084	0.081
269	2017/06/08	12:51:46	0.079	0.083	0.082
270	2017/06/08	12:52:46	0.080	0.084	0.078
271	2017/06/08	12:53:46	0.078	0.085	0.078
272	2017/06/08	12:54:46	0.073	0.077	0.076
273	2017/06/08	12:55:46	0.071	0.076	0.075
274	2017/06/08	12:56:46	0.073	0.078	0.070

275	2017/06/08 12:57:46	0.073	0.078	0.077
276	2017/06/08 12:58:46	0.075	0.080	0.071
277	2017/06/08 12:59:46	0.072	0.081	0.072
278	2017/06/08 13:00:46	0.076	0.081	0.081
279	2017/06/08 13:01:46	0.080	0.086	0.075
280	2017/06/08 13:02:46	0.081	0.084	0.084
281	2017/06/08 13:03:46	0.084	0.087	0.087
282	2017/06/08 13:04:46	0.088	0.106	0.088
283	2017/06/08 13:05:46	0.091	0.098	0.091
284	2017/06/08 13:06:46	0.089	0.097	0.088
285	2017/06/08 13:07:46	0.092	0.101	0.094
286	2017/06/08 13:08:46	0.095	0.098	0.097
287	2017/06/08 13:09:46	0.097	0.099	0.099
288	2017/06/08 13:10:46	0.097	0.100	0.100
289	2017/06/08 13:11:46	0.100	0.102	0.102
290	2017/06/08 13:12:46	0.102	0.104	0.103
291	2017/06/08 13:13:46	0.104	0.105	0.104
292	2017/06/08 13:14:46	0.102	0.122	0.119
293	2017/06/08 13:15:46	0.103	0.114	0.103
294	2017/06/08 13:16:46	0.101	0.106	0.106
295	2017/06/08 13:17:46	0.109	0.112	0.111
296	2017/06/08 13:18:46	0.107	0.116	0.101
297	2017/06/08 13:19:46	0.104	0.109	0.105
298	2017/06/08 13:20:46	0.106	0.112	0.108
299	2017/06/08 13:21:46	0.107	0.112	0.111
300	2017/06/08 13:22:46	0.113	0.116	0.116
301	2017/06/08 13:23:46	0.114	0.118	0.116
302	2017/06/08 13:24:46	0.109	0.117	0.113
303	2017/06/08 13:25:46	0.113	0.118	0.114
304	2017/06/08 13:26:46	0.115	0.119	0.119
305	2017/06/08 13:27:46	0.120	0.123	0.121
306	2017/06/08 13:28:46	0.122	0.123	0.122
307	2017/06/08 13:29:46	0.122	0.123	0.120
308	2017/06/08 13:30:46	0.120	0.146	0.106
309	2017/06/08 13:31:46	0.111	0.117	0.111
310	2017/06/08 13:32:46	0.110	0.113	0.112
311	2017/06/08 13:33:46	0.113	0.115	0.112
312	2017/06/08 13:34:46	0.112	0.123	0.109
313	2017/06/08 13:35:46	0.106	0.110	0.103
314	2017/06/08 13:36:46	0.101	0.104	0.102
315	2017/06/08 13:37:46	0.098	0.102	0.096
316	2017/06/08 13:38:46	0.093	0.098	0.095
317	2017/06/08 13:39:46	0.092	0.096	0.094
318	2017/06/08 13:40:46	0.087	0.093	0.089
319	2017/06/08 13:41:46	0.090	0.093	0.092
320	2017/06/08 13:42:46	0.091	0.093	0.091
321	2017/06/08 13:43:46	0.088	0.091	0.087
322	2017/06/08 13:44:46	0.084	0.087	0.084
323	2017/06/08 13:45:46	0.080	0.085	0.078
324	2017/06/08 13:46:46	0.078	0.080	0.078
325	2017/06/08 13:47:46	0.076	0.078	0.074
326	2017/06/08 13:48:46	0.073	0.075	0.073
327	2017/06/08 13:49:46	0.073	0.075	0.073
328	2017/06/08 13:50:46	0.072	0.075	0.071
329	2017/06/08 13:51:46	0.066	0.071	0.067
330	2017/06/08 13:52:46	0.063	0.067	0.065
331	2017/06/08 13:53:46	0.060	0.065	0.061
332	2017/06/08 13:54:46	0.056	0.063	0.062
333	2017/06/08 13:55:46	0.059	0.062	0.058
334	2017/06/08 13:56:46	0.061	0.064	0.061
335	2017/06/08 13:57:46	0.057	0.066	0.049
336	2017/06/08 13:58:46	0.055	0.061	0.061
337	2017/06/08 13:59:46	0.060	0.064	0.058

338	2017/06/08	14:00:46	0.061	0.064	0.059
339	2017/06/08	14:01:46	0.063	0.065	0.065
340	2017/06/08	14:02:46	0.063	0.065	0.065
341	2017/06/08	14:03:46	0.064	0.065	0.065
342	2017/06/08	14:04:46	0.064	0.066	0.064
343	2017/06/08	14:05:46	0.064	0.067	0.065
344	2017/06/08	14:06:46	0.066	0.077	0.065
345	2017/06/08	14:07:46	0.066	0.068	0.065
346	2017/06/08	14:08:46	0.065	0.066	0.066
347	2017/06/08	14:09:46	0.066	0.076	0.065
348	2017/06/08	14:10:46	0.083	0.184	0.151
349	2017/06/08	14:11:46	0.111	0.279	0.070
350	2017/06/08	14:12:46	0.067	0.070	0.066
351	2017/06/08	14:13:46	0.075	0.131	0.085
352	2017/06/08	14:14:46	0.084	0.115	0.069
353	2017/06/08	14:15:46	0.066	0.069	0.069
354	2017/06/08	14:16:46	0.063	0.074	0.060
355	2017/06/08	14:17:46	0.060	0.061	0.059
356	2017/06/08	14:18:46	0.059	0.064	0.059
357	2017/06/08	14:19:46	0.058	0.060	0.057
358	2017/06/08	14:20:46	0.059	0.099	0.099
359	2017/06/08	14:21:46	0.056	0.096	0.055
360	2017/06/08	14:22:46	0.054	0.056	0.054
361	2017/06/08	14:23:46	0.054	0.062	0.052
362	2017/06/08	14:24:46	0.050	0.053	0.049
363	2017/06/08	14:25:46	0.047	0.048	0.046
364	2017/06/08	14:26:46	0.043	0.046	0.041
365	2017/06/08	14:27:46	0.041	0.042	0.042
366	2017/06/08	14:28:46	0.039	0.042	0.040
367	2017/06/08	14:29:46	0.038	0.039	0.037
368	2017/06/08	14:30:46	0.035	0.038	0.037
369	2017/06/08	14:31:46	0.034	0.037	0.033
370	2017/06/08	14:32:46	0.032	0.034	0.033
371	2017/06/08	14:33:46	0.030	0.033	0.026
372	2017/06/08	14:34:46	0.025	0.027	0.026
373	2017/06/08	14:35:46	0.024	0.026	0.024
374	2017/06/08	14:36:46	0.024	0.026	0.024
375	2017/06/08	14:37:46	0.024	0.025	0.023
376	2017/06/08	14:38:46	0.023	0.025	0.025
377	2017/06/08	14:39:46	0.021	0.025	0.020
378	2017/06/08	14:40:46	0.019	0.020	0.017
379	2017/06/08	14:41:46	0.017	0.019	0.018
380	2017/06/08	14:42:46	0.014	0.017	0.014
381	2017/06/08	14:43:46	0.010	0.015	0.008
382	2017/06/08	14:44:46	0.003	0.009	0.003
383	2017/06/08	14:45:46	0.003	0.007	0.000
384	2017/06/08	14:46:46	0.000	0.000	0.000
385	2017/06/08	14:47:46	0.000	0.000	0.000
386	2017/06/08	14:48:46	0.000	0.000	0.000
387	2017/06/08	14:49:46	0.000	0.000	0.000
388	2017/06/08	14:50:46	0.000	0.000	0.000
389	2017/06/08	14:51:46	0.000	0.000	0.000
390	2017/06/08	14:52:46	0.000	0.000	0.000
391	2017/06/08	14:53:46	0.000	0.000	0.000
392	2017/06/08	14:54:46	0.000	0.000	0.000
393	2017/06/08	14:55:46	0.000	0.000	0.000
394	2017/06/08	14:56:46	0.000	0.000	0.000
395	2017/06/08	14:57:46	0.000	0.000	0.000
396	2017/06/08	14:58:46	0.000	0.000	0.000
397	2017/06/08	14:59:46	0.000	0.000	0.000
398	2017/06/08	15:00:46	0.000	0.000	0.000
399	2017/06/08	15:01:46	0.000	0.000	0.000
400	2017/06/08	15:02:46	0.000	0.003	0.000

401	2017/06/08	15:03:46	0.000	0.002	0.000
402	2017/06/08	15:04:46	0.000	0.001	0.000
403	2017/06/08	15:05:46	0.002	0.004	0.001
404	2017/06/08	15:06:46	0.001	0.003	0.000
405	2017/06/08	15:07:46	0.001	0.005	0.000
406	2017/06/08	15:08:46	0.002	0.004	0.002
407	2017/06/08	15:09:46	0.001	0.004	0.003
408	2017/06/08	15:10:46	0.000	0.002	0.000
409	2017/06/08	15:11:46	0.000	0.002	0.000
410	2017/06/08	15:12:46	0.000	0.000	0.000
411	2017/06/08	15:13:46	0.000	0.000	0.000
412	2017/06/08	15:14:46	0.000	0.000	0.000
413	2017/06/08	15:15:46	0.000	0.000	0.000
414	2017/06/08	15:16:46	0.000	0.000	0.000
415	2017/06/08	15:17:46	0.000	0.000	0.000
416	2017/06/08	15:18:46	0.000	0.000	0.000
417	2017/06/08	15:19:46	0.000	0.000	0.000
418	2017/06/08	15:20:46	0.000	0.000	0.000
419	2017/06/08	15:21:46	0.000	0.000	0.000
420	2017/06/08	15:22:46	0.000	0.000	0.000
421	2017/06/08	15:23:46	0.000	0.000	0.000
422	2017/06/08	15:24:46	0.000	0.000	0.000
423	2017/06/08	15:25:46	0.000	0.000	0.000
424	2017/06/08	15:26:46	0.000	0.000	0.000
425	2017/06/08	15:27:46	0.000	0.000	0.000
426	2017/06/08	15:28:46	0.000	0.000	0.000
427	2017/06/08	15:29:46	0.000	0.000	0.000
428	2017/06/08	15:30:46	0.000	0.000	0.000
429	2017/06/08	15:31:46	0.000	0.000	0.000
430	2017/06/08	15:32:46	0.000	0.000	0.000
431	2017/06/08	15:33:46	0.000	0.000	0.000
432	2017/06/08	15:34:46	0.000	0.000	0.000
433	2017/06/08	15:35:46	0.000	0.000	0.000
434	2017/06/08	15:36:46	0.000	0.000	0.000
435	2017/06/08	15:37:46	0.000	0.000	0.000
436	2017/06/08	15:38:46	0.000	0.000	0.000
437	2017/06/08	15:39:46	0.000	0.000	0.000
438	2017/06/08	15:40:46	0.000	0.000	0.000
439	2017/06/08	15:41:46	0.000	0.000	0.000
440	2017/06/08	15:42:46	0.000	0.000	0.000
441	2017/06/08	15:43:46	0.000	0.000	0.000
442	2017/06/08	15:44:46	0.000	0.000	0.000
443	2017/06/08	15:45:46	0.000	0.000	0.000
444	2017/06/08	15:46:46	0.000	0.000	0.000
445	2017/06/08	15:47:46	0.000	0.000	0.000
446	2017/06/08	15:48:46	0.000	0.000	0.000
447	2017/06/08	15:49:46	0.000	0.000	0.000
448	2017/06/08	15:50:46	0.000	0.000	0.000
449	2017/06/08	15:51:46	0.000	0.000	0.000
450	2017/06/08	15:52:46	0.000	0.000	0.000
451	2017/06/08	15:53:46	0.000	0.000	0.000
452	2017/06/08	15:54:46	0.000	0.000	0.000
453	2017/06/08	15:55:46	0.000	0.000	0.000
454	2017/06/08	15:56:46	0.000	0.000	0.000
455	2017/06/08	15:57:46	0.000	0.000	0.000
456	2017/06/08	15:58:46	0.000	0.000	0.000
457	2017/06/08	15:59:46	0.000	0.000	0.000
458	2017/06/08	16:00:46	0.000	0.000	0.000
459	2017/06/08	16:01:46	0.000	0.000	0.000
460	2017/06/08	16:02:46	0.000	0.000	0.000
461	2017/06/08	16:03:46	0.000	0.000	0.000
462	2017/06/08	16:04:46	0.000	0.000	0.000
463	2017/06/08	16:05:46	0.000	0.000	0.000

464	2017/06/08 16:06:46	0.000	0.000	0.000
465	2017/06/08 16:07:46	0.000	0.000	0.000
466	2017/06/08 16:08:46	0.000	0.000	0.000
467	2017/06/08 16:09:46	0.000	0.000	0.000
468	2017/06/08 16:10:46	0.000	0.000	0.000
469	2017/06/08 16:11:46	0.000	0.000	0.000
470	2017/06/08 16:12:46	0.000	0.000	0.000
471	2017/06/08 16:13:46	0.000	0.000	0.000
472	2017/06/08 16:14:46	0.000	0.000	0.000
473	2017/06/08 16:15:46	0.000	0.000	0.000
474	2017/06/08 16:16:46	0.000	0.000	0.000
475	2017/06/08 16:17:46	0.000	0.000	0.000
476	2017/06/08 16:18:46	0.000	0.000	0.000
477	2017/06/08 16:19:46	0.000	0.000	0.000
478	2017/06/08 16:20:46	0.000	0.000	0.000
479	2017/06/08 16:21:46	0.000	0.000	0.000
Peak		0.122	0.622	0.151
Min		0.000	0.000	0.000
Average		0.048	0.054	0.048

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2017/06/08 08:23:46	0.000	---
002	2017/06/08 08:24:46	0.000	---
003	2017/06/08 08:25:46	0.000	---
004	2017/06/08 08:26:46	0.000	---
005	2017/06/08 08:27:46	0.000	---
006	2017/06/08 08:28:46	0.000	---
007	2017/06/08 08:29:46	0.000	---
008	2017/06/08 08:30:46	0.000	---
009	2017/06/08 08:31:46	0.000	---
010	2017/06/08 08:32:46	0.000	---
011	2017/06/08 08:33:46	0.000	---
012	2017/06/08 08:34:46	0.000	---
013	2017/06/08 08:35:46	0.000	---
014	2017/06/08 08:36:46	0.000	---
015	2017/06/08 08:37:46	0.000	0.014
016	2017/06/08 08:38:46	0.000	0.015
017	2017/06/08 08:39:46	0.001	0.017
018	2017/06/08 08:40:46	0.001	0.018
019	2017/06/08 08:41:46	0.001	0.020
020	2017/06/08 08:42:46	0.001	0.022
021	2017/06/08 08:43:46	0.001	0.023
022	2017/06/08 08:44:46	0.001	0.025
023	2017/06/08 08:45:46	0.001	0.027
024	2017/06/08 08:46:46	0.001	0.026
025	2017/06/08 08:47:46	0.001	0.026
026	2017/06/08 08:48:46	0.001	0.027
027	2017/06/08 08:49:46	0.001	0.027
028	2017/06/08 08:50:46	0.001	0.029
029	2017/06/08 08:51:46	0.001	0.029
030	2017/06/08 08:52:46	0.001	0.029
031	2017/06/08 08:53:46	0.001	0.030
032	2017/06/08 08:54:46	0.001	0.030
033	2017/06/08 08:55:46	0.002	0.031
034	2017/06/08 08:56:46	0.002	0.031
035	2017/06/08 08:57:46	0.002	0.032
036	2017/06/08 08:58:46	0.002	0.032
037	2017/06/08 08:59:46	0.002	0.032
038	2017/06/08 09:00:46	0.002	0.033
039	2017/06/08 09:01:46	0.002	0.033
040	2017/06/08 09:02:46	0.002	0.033

041	2017/06/08 09:03:46	0.002	0.034
042	2017/06/08 09:04:46	0.002	0.034
043	2017/06/08 09:05:46	0.002	0.033
044	2017/06/08 09:06:46	0.002	0.033
045	2017/06/08 09:07:46	0.002	0.033
046	2017/06/08 09:08:46	0.002	0.034
047	2017/06/08 09:09:46	0.003	0.034
048	2017/06/08 09:10:46	0.003	0.034
049	2017/06/08 09:11:46	0.003	0.035
050	2017/06/08 09:12:46	0.003	0.035
051	2017/06/08 09:13:46	0.003	0.035
052	2017/06/08 09:14:46	0.003	0.035
053	2017/06/08 09:15:46	0.003	0.036
054	2017/06/08 09:16:46	0.003	0.036
055	2017/06/08 09:17:46	0.003	0.037
056	2017/06/08 09:18:46	0.003	0.037
057	2017/06/08 09:19:46	0.003	0.037
058	2017/06/08 09:20:46	0.003	0.038
059	2017/06/08 09:21:46	0.003	0.038
060	2017/06/08 09:22:46	0.004	0.038
061	2017/06/08 09:23:46	0.004	0.038
062	2017/06/08 09:24:46	0.004	0.038
063	2017/06/08 09:25:46	0.004	0.038
064	2017/06/08 09:26:46	0.004	0.039
065	2017/06/08 09:27:46	0.004	0.039
066	2017/06/08 09:28:46	0.004	0.039
067	2017/06/08 09:29:46	0.004	0.039
068	2017/06/08 09:30:46	0.004	0.039
069	2017/06/08 09:31:46	0.004	0.038
070	2017/06/08 09:32:46	0.004	0.038
071	2017/06/08 09:33:46	0.004	0.038
072	2017/06/08 09:34:46	0.005	0.038
073	2017/06/08 09:35:46	0.005	0.038
074	2017/06/08 09:36:46	0.005	0.037
075	2017/06/08 09:37:46	0.005	0.037
076	2017/06/08 09:38:46	0.005	0.037
077	2017/06/08 09:39:46	0.005	0.037
078	2017/06/08 09:40:46	0.005	0.037
079	2017/06/08 09:41:46	0.005	0.037
080	2017/06/08 09:42:46	0.005	0.037
081	2017/06/08 09:43:46	0.005	0.036
082	2017/06/08 09:44:46	0.005	0.036
083	2017/06/08 09:45:46	0.005	0.036
084	2017/06/08 09:46:46	0.005	0.036
085	2017/06/08 09:47:46	0.005	0.036
086	2017/06/08 09:48:46	0.006	0.036
087	2017/06/08 09:49:46	0.006	0.036
088	2017/06/08 09:50:46	0.006	0.036
089	2017/06/08 09:51:46	0.006	0.037
090	2017/06/08 09:52:46	0.006	0.036
091	2017/06/08 09:53:46	0.006	0.036
092	2017/06/08 09:54:46	0.006	0.036
093	2017/06/08 09:55:46	0.006	0.037
094	2017/06/08 09:56:46	0.006	0.037
095	2017/06/08 09:57:46	0.006	0.038
096	2017/06/08 09:58:46	0.006	0.038
097	2017/06/08 09:59:46	0.006	0.039
098	2017/06/08 10:00:46	0.007	0.039
099	2017/06/08 10:01:46	0.007	0.039
100	2017/06/08 10:02:46	0.007	0.039
101	2017/06/08 10:03:46	0.007	0.040
102	2017/06/08 10:04:46	0.007	0.039
103	2017/06/08 10:05:46	0.007	0.039

104	2017/06/08 10:06:46	0.007	0.039
105	2017/06/08 10:07:46	0.007	0.039
106	2017/06/08 10:08:46	0.007	0.040
107	2017/06/08 10:09:46	0.007	0.040
108	2017/06/08 10:10:46	0.007	0.040
109	2017/06/08 10:11:46	0.007	0.040
110	2017/06/08 10:12:46	0.008	0.040
111	2017/06/08 10:13:46	0.008	0.041
112	2017/06/08 10:14:46	0.008	0.041
113	2017/06/08 10:15:46	0.008	0.041
114	2017/06/08 10:16:46	0.008	0.042
115	2017/06/08 10:17:46	0.008	0.042
116	2017/06/08 10:18:46	0.008	0.043
117	2017/06/08 10:19:46	0.008	0.044
118	2017/06/08 10:20:46	0.008	0.045
119	2017/06/08 10:21:46	0.008	0.045
120	2017/06/08 10:22:46	0.009	0.045
121	2017/06/08 10:23:46	0.009	0.046
122	2017/06/08 10:24:46	0.009	0.046
123	2017/06/08 10:25:46	0.009	0.046
124	2017/06/08 10:26:46	0.009	0.046
125	2017/06/08 10:27:46	0.009	0.046
126	2017/06/08 10:28:46	0.009	0.046
127	2017/06/08 10:29:46	0.009	0.046
128	2017/06/08 10:30:46	0.009	0.046
129	2017/06/08 10:31:46	0.009	0.046
130	2017/06/08 10:32:46	0.009	0.046
131	2017/06/08 10:33:46	0.010	0.046
132	2017/06/08 10:34:46	0.010	0.046
133	2017/06/08 10:35:46	0.010	0.047
134	2017/06/08 10:36:46	0.010	0.048
135	2017/06/08 10:37:46	0.010	0.049
136	2017/06/08 10:38:46	0.010	0.050
137	2017/06/08 10:39:46	0.010	0.050
138	2017/06/08 10:40:46	0.010	0.051
139	2017/06/08 10:41:46	0.011	0.052
140	2017/06/08 10:42:46	0.011	0.053
141	2017/06/08 10:43:46	0.011	0.053
142	2017/06/08 10:44:46	0.011	0.054
143	2017/06/08 10:45:46	0.011	0.055
144	2017/06/08 10:46:46	0.011	0.055
145	2017/06/08 10:47:46	0.011	0.056
146	2017/06/08 10:48:46	0.011	0.056
147	2017/06/08 10:49:46	0.011	0.057
148	2017/06/08 10:50:46	0.012	0.057
149	2017/06/08 10:51:46	0.012	0.057
150	2017/06/08 10:52:46	0.012	0.057
151	2017/06/08 10:53:46	0.012	0.057
152	2017/06/08 10:54:46	0.012	0.057
153	2017/06/08 10:55:46	0.012	0.058
154	2017/06/08 10:56:46	0.012	0.058
155	2017/06/08 10:57:46	0.012	0.058
156	2017/06/08 10:58:46	0.013	0.058
157	2017/06/08 10:59:46	0.013	0.058
158	2017/06/08 11:00:46	0.013	0.059
159	2017/06/08 11:01:46	0.013	0.059
160	2017/06/08 11:02:46	0.013	0.060
161	2017/06/08 11:03:46	0.013	0.061
162	2017/06/08 11:04:46	0.013	0.061
163	2017/06/08 11:05:46	0.013	0.061
164	2017/06/08 11:06:46	0.014	0.061
165	2017/06/08 11:07:46	0.014	0.061
166	2017/06/08 11:08:46	0.014	0.061

167	2017/06/08 11:09:46	0.014	0.061
168	2017/06/08 11:10:46	0.014	0.061
169	2017/06/08 11:11:46	0.014	0.061
170	2017/06/08 11:12:46	0.014	0.062
171	2017/06/08 11:13:46	0.015	0.062
172	2017/06/08 11:14:46	0.015	0.063
173	2017/06/08 11:15:46	0.015	0.064
174	2017/06/08 11:16:46	0.015	0.064
175	2017/06/08 11:17:46	0.015	0.065
176	2017/06/08 11:18:46	0.015	0.066
177	2017/06/08 11:19:46	0.015	0.066
178	2017/06/08 11:20:46	0.016	0.067
179	2017/06/08 11:21:46	0.016	0.068
180	2017/06/08 11:22:46	0.016	0.069
181	2017/06/08 11:23:46	0.016	0.070
182	2017/06/08 11:24:46	0.016	0.071
183	2017/06/08 11:25:46	0.016	0.072
184	2017/06/08 11:26:46	0.017	0.073
185	2017/06/08 11:27:46	0.017	0.073
186	2017/06/08 11:28:46	0.017	0.074
187	2017/06/08 11:29:46	0.017	0.074
188	2017/06/08 11:30:46	0.017	0.074
189	2017/06/08 11:31:46	0.017	0.075
190	2017/06/08 11:32:46	0.017	0.075
191	2017/06/08 11:33:46	0.018	0.075
192	2017/06/08 11:34:46	0.018	0.074
193	2017/06/08 11:35:46	0.018	0.074
194	2017/06/08 11:36:46	0.018	0.074
195	2017/06/08 11:37:46	0.018	0.073
196	2017/06/08 11:38:46	0.018	0.073
197	2017/06/08 11:39:46	0.018	0.073
198	2017/06/08 11:40:46	0.019	0.072
199	2017/06/08 11:41:46	0.019	0.073
200	2017/06/08 11:42:46	0.019	0.073
201	2017/06/08 11:43:46	0.019	0.073
202	2017/06/08 11:44:46	0.019	0.074
203	2017/06/08 11:45:46	0.019	0.075
204	2017/06/08 11:46:46	0.020	0.076
205	2017/06/08 11:47:46	0.020	0.076
206	2017/06/08 11:48:46	0.020	0.078
207	2017/06/08 11:49:46	0.020	0.079
208	2017/06/08 11:50:46	0.020	0.080
209	2017/06/08 11:51:46	0.021	0.081
210	2017/06/08 11:52:46	0.021	0.083
211	2017/06/08 11:53:46	0.021	0.084
212	2017/06/08 11:54:46	0.021	0.086
213	2017/06/08 11:55:46	0.021	0.087
214	2017/06/08 11:56:46	0.022	0.088
215	2017/06/08 11:57:46	0.022	0.089
216	2017/06/08 11:58:46	0.022	0.090
217	2017/06/08 11:59:46	0.022	0.090
218	2017/06/08 12:00:46	0.022	0.091
219	2017/06/08 12:01:46	0.023	0.092
220	2017/06/08 12:02:46	0.023	0.092
221	2017/06/08 12:03:46	0.023	0.092
222	2017/06/08 12:04:46	0.023	0.092
223	2017/06/08 12:05:46	0.023	0.092
224	2017/06/08 12:06:46	0.023	0.092
225	2017/06/08 12:07:46	0.024	0.092
226	2017/06/08 12:08:46	0.024	0.091
227	2017/06/08 12:09:46	0.024	0.091
228	2017/06/08 12:10:46	0.024	0.091
229	2017/06/08 12:11:46	0.024	0.090

230	2017/06/08 12:12:46	0.025	0.089
231	2017/06/08 12:13:46	0.025	0.088
232	2017/06/08 12:14:46	0.025	0.087
233	2017/06/08 12:15:46	0.025	0.085
234	2017/06/08 12:16:46	0.025	0.083
235	2017/06/08 12:17:46	0.025	0.082
236	2017/06/08 12:18:46	0.025	0.080
237	2017/06/08 12:19:46	0.026	0.079
238	2017/06/08 12:20:46	0.026	0.078
239	2017/06/08 12:21:46	0.026	0.077
240	2017/06/08 12:22:46	0.026	0.076
241	2017/06/08 12:23:46	0.026	0.074
242	2017/06/08 12:24:46	0.026	0.073
243	2017/06/08 12:25:46	0.026	0.071
244	2017/06/08 12:26:46	0.027	0.070
245	2017/06/08 12:27:46	0.027	0.069
246	2017/06/08 12:28:46	0.027	0.068
247	2017/06/08 12:29:46	0.027	0.068
248	2017/06/08 12:30:46	0.027	0.068
249	2017/06/08 12:31:46	0.027	0.068
250	2017/06/08 12:32:46	0.027	0.069
251	2017/06/08 12:33:46	0.028	0.069
252	2017/06/08 12:34:46	0.028	0.070
253	2017/06/08 12:35:46	0.028	0.070
254	2017/06/08 12:36:46	0.028	0.070
255	2017/06/08 12:37:46	0.028	0.071
256	2017/06/08 12:38:46	0.028	0.071
257	2017/06/08 12:39:46	0.028	0.071
258	2017/06/08 12:40:46	0.029	0.071
259	2017/06/08 12:41:46	0.029	0.072
260	2017/06/08 12:42:46	0.029	0.073
261	2017/06/08 12:43:46	0.029	0.073
262	2017/06/08 12:44:46	0.029	0.073
263	2017/06/08 12:45:46	0.029	0.073
264	2017/06/08 12:46:46	0.030	0.074
265	2017/06/08 12:47:46	0.030	0.074
266	2017/06/08 12:48:46	0.030	0.074
267	2017/06/08 12:49:46	0.030	0.075
268	2017/06/08 12:50:46	0.030	0.075
269	2017/06/08 12:51:46	0.030	0.076
270	2017/06/08 12:52:46	0.031	0.076
271	2017/06/08 12:53:46	0.031	0.077
272	2017/06/08 12:54:46	0.031	0.077
273	2017/06/08 12:55:46	0.031	0.078
274	2017/06/08 12:56:46	0.031	0.078
275	2017/06/08 12:57:46	0.031	0.078
276	2017/06/08 12:58:46	0.032	0.078
277	2017/06/08 12:59:46	0.032	0.077
278	2017/06/08 13:00:46	0.032	0.078
279	2017/06/08 13:01:46	0.032	0.078
280	2017/06/08 13:02:46	0.032	0.078
281	2017/06/08 13:03:46	0.032	0.078
282	2017/06/08 13:04:46	0.033	0.078
283	2017/06/08 13:05:46	0.033	0.079
284	2017/06/08 13:06:46	0.033	0.079
285	2017/06/08 13:07:46	0.033	0.080
286	2017/06/08 13:08:46	0.033	0.082
287	2017/06/08 13:09:46	0.033	0.083
288	2017/06/08 13:10:46	0.034	0.085
289	2017/06/08 13:11:46	0.034	0.087
290	2017/06/08 13:12:46	0.034	0.089
291	2017/06/08 13:13:46	0.034	0.091
292	2017/06/08 13:14:46	0.035	0.094

293	2017/06/08 13:15:46	0.035	0.096
294	2017/06/08 13:16:46	0.035	0.098
295	2017/06/08 13:17:46	0.035	0.099
296	2017/06/08 13:18:46	0.035	0.100
297	2017/06/08 13:19:46	0.036	0.102
298	2017/06/08 13:20:46	0.036	0.103
299	2017/06/08 13:21:46	0.036	0.104
300	2017/06/08 13:22:46	0.036	0.106
301	2017/06/08 13:23:46	0.037	0.107
302	2017/06/08 13:24:46	0.037	0.108
303	2017/06/08 13:25:46	0.037	0.109
304	2017/06/08 13:26:46	0.037	0.110
305	2017/06/08 13:27:46	0.038	0.111
306	2017/06/08 13:28:46	0.038	0.112
307	2017/06/08 13:29:46	0.038	0.112
308	2017/06/08 13:30:46	0.038	0.113
309	2017/06/08 13:31:46	0.039	0.113
310	2017/06/08 13:32:46	0.039	0.113
311	2017/06/08 13:33:46	0.039	0.114
312	2017/06/08 13:34:46	0.039	0.114
313	2017/06/08 13:35:46	0.039	0.114
314	2017/06/08 13:36:46	0.040	0.113
315	2017/06/08 13:37:46	0.040	0.112
316	2017/06/08 13:38:46	0.040	0.110
317	2017/06/08 13:39:46	0.040	0.109
318	2017/06/08 13:40:46	0.040	0.107
319	2017/06/08 13:41:46	0.041	0.106
320	2017/06/08 13:42:46	0.041	0.104
321	2017/06/08 13:43:46	0.041	0.101
322	2017/06/08 13:44:46	0.041	0.099
323	2017/06/08 13:45:46	0.041	0.097
324	2017/06/08 13:46:46	0.042	0.095
325	2017/06/08 13:47:46	0.042	0.092
326	2017/06/08 13:48:46	0.042	0.090
327	2017/06/08 13:49:46	0.042	0.087
328	2017/06/08 13:50:46	0.042	0.085
329	2017/06/08 13:51:46	0.042	0.083
330	2017/06/08 13:52:46	0.042	0.081
331	2017/06/08 13:53:46	0.043	0.078
332	2017/06/08 13:54:46	0.043	0.076
333	2017/06/08 13:55:46	0.043	0.074
334	2017/06/08 13:56:46	0.043	0.072
335	2017/06/08 13:57:46	0.043	0.069
336	2017/06/08 13:58:46	0.043	0.068
337	2017/06/08 13:59:46	0.043	0.066
338	2017/06/08 14:00:46	0.043	0.065
339	2017/06/08 14:01:46	0.044	0.064
340	2017/06/08 14:02:46	0.044	0.063
341	2017/06/08 14:03:46	0.044	0.063
342	2017/06/08 14:04:46	0.044	0.062
343	2017/06/08 14:05:46	0.044	0.062
344	2017/06/08 14:06:46	0.044	0.062
345	2017/06/08 14:07:46	0.044	0.062
346	2017/06/08 14:08:46	0.044	0.062
347	2017/06/08 14:09:46	0.045	0.062
348	2017/06/08 14:10:46	0.045	0.068
349	2017/06/08 14:11:46	0.045	0.069
350	2017/06/08 14:12:46	0.045	0.070
351	2017/06/08 14:13:46	0.045	0.072
352	2017/06/08 14:14:46	0.046	0.072
353	2017/06/08 14:15:46	0.046	0.073
354	2017/06/08 14:16:46	0.046	0.073
355	2017/06/08 14:17:46	0.046	0.072

356	2017/06/08 14:18:46	0.046	0.072
357	2017/06/08 14:19:46	0.046	0.071
358	2017/06/08 14:20:46	0.046	0.074
359	2017/06/08 14:21:46	0.046	0.073
360	2017/06/08 14:22:46	0.047	0.072
361	2017/06/08 14:23:46	0.047	0.071
362	2017/06/08 14:24:46	0.047	0.070
363	2017/06/08 14:25:46	0.047	0.063
364	2017/06/08 14:26:46	0.047	0.061
365	2017/06/08 14:27:46	0.047	0.060
366	2017/06/08 14:28:46	0.047	0.057
367	2017/06/08 14:29:46	0.047	0.055
368	2017/06/08 14:30:46	0.047	0.052
369	2017/06/08 14:31:46	0.047	0.051
370	2017/06/08 14:32:46	0.047	0.049
371	2017/06/08 14:33:46	0.047	0.047
372	2017/06/08 14:34:46	0.048	0.045
373	2017/06/08 14:35:46	0.048	0.040
374	2017/06/08 14:36:46	0.048	0.038
375	2017/06/08 14:37:46	0.048	0.036
376	2017/06/08 14:38:46	0.048	0.034
377	2017/06/08 14:39:46	0.048	0.032
378	2017/06/08 14:40:46	0.048	0.030
379	2017/06/08 14:41:46	0.048	0.028
380	2017/06/08 14:42:46	0.048	0.026
381	2017/06/08 14:43:46	0.048	0.024
382	2017/06/08 14:44:46	0.048	0.022
383	2017/06/08 14:45:46	0.048	0.020
384	2017/06/08 14:46:46	0.048	0.017
385	2017/06/08 14:47:46	0.048	0.015
386	2017/06/08 14:48:46	0.048	0.013
387	2017/06/08 14:49:46	0.048	0.012
388	2017/06/08 14:50:46	0.048	0.010
389	2017/06/08 14:51:46	0.048	0.009
390	2017/06/08 14:52:46	0.048	0.007
391	2017/06/08 14:53:46	0.048	0.005
392	2017/06/08 14:54:46	0.048	0.004
393	2017/06/08 14:55:46	0.048	0.003
394	2017/06/08 14:56:46	0.048	0.002
395	2017/06/08 14:57:46	0.048	0.001
396	2017/06/08 14:58:46	0.048	0.000
397	2017/06/08 14:59:46	0.048	0.000
398	2017/06/08 15:00:46	0.048	0.000
399	2017/06/08 15:01:46	0.048	0.000
400	2017/06/08 15:02:46	0.048	0.000
401	2017/06/08 15:03:46	0.048	0.000
402	2017/06/08 15:04:46	0.048	0.000
403	2017/06/08 15:05:46	0.048	0.000
404	2017/06/08 15:06:46	0.048	0.000
405	2017/06/08 15:07:46	0.048	0.000
406	2017/06/08 15:08:46	0.048	0.000
407	2017/06/08 15:09:46	0.048	0.000
408	2017/06/08 15:10:46	0.048	0.000
409	2017/06/08 15:11:46	0.048	0.000
410	2017/06/08 15:12:46	0.048	0.000
411	2017/06/08 15:13:46	0.048	0.000
412	2017/06/08 15:14:46	0.048	0.000
413	2017/06/08 15:15:46	0.048	0.000
414	2017/06/08 15:16:46	0.048	0.000
415	2017/06/08 15:17:46	0.048	0.000
416	2017/06/08 15:18:46	0.048	0.000
417	2017/06/08 15:19:46	0.048	0.000
418	2017/06/08 15:20:46	0.048	0.000

419	2017/06/08 15:21:46	0.048	0.000
420	2017/06/08 15:22:46	0.048	0.000
421	2017/06/08 15:23:46	0.048	0.000
422	2017/06/08 15:24:46	0.048	0.000
423	2017/06/08 15:25:46	0.048	0.000
424	2017/06/08 15:26:46	0.048	0.000
425	2017/06/08 15:27:46	0.048	0.000
426	2017/06/08 15:28:46	0.048	0.000
427	2017/06/08 15:29:46	0.048	0.000
428	2017/06/08 15:30:46	0.048	0.000
429	2017/06/08 15:31:46	0.048	0.000
430	2017/06/08 15:32:46	0.048	0.000
431	2017/06/08 15:33:46	0.048	0.000
432	2017/06/08 15:34:46	0.048	0.000
433	2017/06/08 15:35:46	0.048	0.000
434	2017/06/08 15:36:46	0.048	0.000
435	2017/06/08 15:37:46	0.048	0.000
436	2017/06/08 15:38:46	0.048	0.000
437	2017/06/08 15:39:46	0.048	0.000
438	2017/06/08 15:40:46	0.048	0.000
439	2017/06/08 15:41:46	0.048	0.000
440	2017/06/08 15:42:46	0.048	0.000
441	2017/06/08 15:43:46	0.048	0.000
442	2017/06/08 15:44:46	0.048	0.000
443	2017/06/08 15:45:46	0.048	0.000
444	2017/06/08 15:46:46	0.048	0.000
445	2017/06/08 15:47:46	0.048	0.000
446	2017/06/08 15:48:46	0.048	0.000
447	2017/06/08 15:49:46	0.048	0.000
448	2017/06/08 15:50:46	0.048	0.000
449	2017/06/08 15:51:46	0.048	0.000
450	2017/06/08 15:52:46	0.048	0.000
451	2017/06/08 15:53:46	0.048	0.000
452	2017/06/08 15:54:46	0.048	0.000
453	2017/06/08 15:55:46	0.048	0.000
454	2017/06/08 15:56:46	0.048	0.000
455	2017/06/08 15:57:46	0.048	0.000
456	2017/06/08 15:58:46	0.048	0.000
457	2017/06/08 15:59:46	0.048	0.000
458	2017/06/08 16:00:46	0.048	0.000
459	2017/06/08 16:01:46	0.048	0.000
460	2017/06/08 16:02:46	0.048	0.000
461	2017/06/08 16:03:46	0.048	0.000
462	2017/06/08 16:04:46	0.048	0.000
463	2017/06/08 16:05:46	0.048	0.000
464	2017/06/08 16:06:46	0.048	0.000
465	2017/06/08 16:07:46	0.048	0.000
466	2017/06/08 16:08:46	0.048	0.000
467	2017/06/08 16:09:46	0.048	0.000
468	2017/06/08 16:10:46	0.048	0.000
469	2017/06/08 16:11:46	0.048	0.000
470	2017/06/08 16:12:46	0.048	0.000
471	2017/06/08 16:13:46	0.048	0.000
472	2017/06/08 16:14:46	0.048	0.000
473	2017/06/08 16:15:46	0.048	0.000
474	2017/06/08 16:16:46	0.048	0.000
475	2017/06/08 16:17:46	0.048	0.000
476	2017/06/08 16:18:46	0.048	0.000
477	2017/06/08 16:19:46	0.048	0.000
478	2017/06/08 16:20:46	0.048	0.000
479	2017/06/08 16:21:46	0.048	0.000

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17/06/09 07:39

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Summary

Unit Name	MiniRAE 3000
Unit SN	592-909023
Unit Firmware Ver	V1.10C

Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2017/06/09 07:39:18
End	2017/06/09 16:14:53
Sample Period(s)	60
Number of Records	515

Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	5.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2017/06/09 07:38
Peak	0.149
Min	0.000
Average	0.089

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Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2017/06/09 07:40:18	0.025	0.098	0.006
002	2017/06/09 07:41:18	0.001	0.005	0.001
003	2017/06/09 07:42:18	0.000	0.003	0.000
004	2017/06/09 07:43:18	0.000	0.000	0.000
005	2017/06/09 07:44:18	0.000	0.001	0.000
006	2017/06/09 07:45:18	0.000	0.002	0.001
007	2017/06/09 07:46:18	0.000	0.002	0.001
008	2017/06/09 07:47:18	0.000	0.002	0.000
009	2017/06/09 07:48:18	0.001	0.004	0.001
010	2017/06/09 07:49:18	0.034	0.182	0.083
011	2017/06/09 07:50:18	0.071	0.082	0.065
012	2017/06/09 07:51:18	0.064	0.066	0.063
013	2017/06/09 07:52:18	0.062	0.064	0.062
014	2017/06/09 07:53:18	0.061	0.063	0.058
015	2017/06/09 07:54:18	0.061	0.065	0.062
016	2017/06/09 07:55:18	0.064	0.074	0.073
017	2017/06/09 07:56:18	0.064	0.072	0.060
018	2017/06/09 07:57:18	0.058	0.060	0.056
019	2017/06/09 07:58:18	0.057	0.059	0.059
020	2017/06/09 07:59:18	0.057	0.060	0.060
021	2017/06/09 08:00:18	0.060	0.062	0.057
022	2017/06/09 08:01:18	0.061	0.065	0.064

023	2017/06/09	08:02:18	0.060	0.064	0.061
024	2017/06/09	08:03:18	0.061	0.064	0.061
025	2017/06/09	08:04:18	0.060	0.065	0.060
026	2017/06/09	08:05:18	0.062	0.065	0.062
027	2017/06/09	08:06:18	0.062	0.064	0.063
028	2017/06/09	08:07:18	0.064	0.067	0.067
029	2017/06/09	08:08:18	0.065	0.068	0.065
030	2017/06/09	08:09:18	0.066	0.068	0.066
031	2017/06/09	08:10:18	0.065	0.069	0.067
032	2017/06/09	08:11:18	0.065	0.068	0.062
033	2017/06/09	08:12:18	0.064	0.069	0.067
034	2017/06/09	08:13:18	0.065	0.068	0.065
035	2017/06/09	08:14:18	0.064	0.067	0.064
036	2017/06/09	08:15:18	0.066	0.069	0.067
037	2017/06/09	08:16:18	0.067	0.069	0.068
038	2017/06/09	08:17:18	0.068	0.071	0.070
039	2017/06/09	08:18:18	0.068	0.070	0.069
040	2017/06/09	08:19:18	0.069	0.071	0.071
041	2017/06/09	08:20:18	0.068	0.072	0.068
042	2017/06/09	08:21:18	0.067	0.070	0.068
043	2017/06/09	08:22:18	0.068	0.071	0.069
044	2017/06/09	08:23:18	0.070	0.072	0.070
045	2017/06/09	08:24:18	0.070	0.073	0.069
046	2017/06/09	08:25:18	0.070	0.074	0.074
047	2017/06/09	08:26:18	0.071	0.074	0.072
048	2017/06/09	08:27:18	0.070	0.074	0.071
049	2017/06/09	08:28:18	0.071	0.075	0.071
050	2017/06/09	08:29:18	0.070	0.074	0.070
051	2017/06/09	08:30:18	0.071	0.074	0.072
052	2017/06/09	08:31:18	0.071	0.073	0.070
053	2017/06/09	08:32:18	0.072	0.076	0.072
054	2017/06/09	08:33:18	0.074	0.076	0.073
055	2017/06/09	08:34:18	0.074	0.077	0.073
056	2017/06/09	08:35:18	0.072	0.076	0.067
057	2017/06/09	08:36:18	0.073	0.076	0.074
058	2017/06/09	08:37:18	0.075	0.077	0.076
059	2017/06/09	08:38:18	0.074	0.077	0.076
060	2017/06/09	08:39:18	0.074	0.076	0.076
061	2017/06/09	08:40:18	0.073	0.076	0.073
062	2017/06/09	08:41:18	0.072	0.076	0.073
063	2017/06/09	08:42:18	0.074	0.077	0.076
064	2017/06/09	08:43:18	0.075	0.077	0.076
065	2017/06/09	08:44:18	0.075	0.077	0.072
066	2017/06/09	08:45:18	0.076	0.079	0.074
067	2017/06/09	08:46:18	0.076	0.080	0.076
068	2017/06/09	08:47:18	0.075	0.079	0.079
069	2017/06/09	08:48:18	0.078	0.081	0.077
070	2017/06/09	08:49:18	0.076	0.079	0.075
071	2017/06/09	08:50:18	0.076	0.079	0.079
072	2017/06/09	08:51:18	0.078	0.081	0.077
073	2017/06/09	08:52:18	0.079	0.081	0.080
074	2017/06/09	08:53:18	0.078	0.080	0.076
075	2017/06/09	08:54:18	0.078	0.082	0.078
076	2017/06/09	08:55:18	0.080	0.083	0.082
077	2017/06/09	08:56:18	0.079	0.081	0.081
078	2017/06/09	08:57:18	0.080	0.082	0.078
079	2017/06/09	08:58:18	0.078	0.082	0.080
080	2017/06/09	08:59:18	0.079	0.081	0.081
081	2017/06/09	09:00:18	0.080	0.082	0.081
082	2017/06/09	09:01:18	0.080	0.084	0.082
083	2017/06/09	09:02:18	0.081	0.083	0.080
084	2017/06/09	09:03:18	0.077	0.082	0.082
085	2017/06/09	09:04:18	0.079	0.084	0.081

086	2017/06/09	09:05:18	0.079	0.083	0.083
087	2017/06/09	09:06:18	0.081	0.083	0.081
088	2017/06/09	09:07:18	0.081	0.083	0.079
089	2017/06/09	09:08:18	0.080	0.084	0.080
090	2017/06/09	09:09:18	0.080	0.082	0.079
091	2017/06/09	09:10:18	0.080	0.083	0.081
092	2017/06/09	09:11:18	0.078	0.080	0.080
093	2017/06/09	09:12:18	0.080	0.083	0.082
094	2017/06/09	09:13:18	0.081	0.083	0.080
095	2017/06/09	09:14:18	0.081	0.083	0.083
096	2017/06/09	09:15:18	0.081	0.084	0.080
097	2017/06/09	09:16:18	0.083	0.087	0.085
098	2017/06/09	09:17:18	0.084	0.086	0.086
099	2017/06/09	09:18:18	0.085	0.087	0.084
100	2017/06/09	09:19:18	0.082	0.085	0.082
101	2017/06/09	09:20:18	0.084	0.087	0.087
102	2017/06/09	09:21:18	0.085	0.089	0.085
103	2017/06/09	09:22:18	0.082	0.087	0.080
104	2017/06/09	09:23:18	0.084	0.089	0.088
105	2017/06/09	09:24:18	0.087	0.091	0.089
106	2017/06/09	09:25:18	0.090	0.094	0.088
107	2017/06/09	09:26:18	0.089	0.091	0.089
108	2017/06/09	09:27:18	0.089	0.093	0.089
109	2017/06/09	09:28:18	0.091	0.095	0.094
110	2017/06/09	09:29:18	0.093	0.097	0.096
111	2017/06/09	09:30:18	0.093	0.097	0.093
112	2017/06/09	09:31:18	0.094	0.097	0.091
113	2017/06/09	09:32:18	0.094	0.098	0.095
114	2017/06/09	09:33:18	0.095	0.098	0.096
115	2017/06/09	09:34:18	0.094	0.098	0.098
116	2017/06/09	09:35:18	0.096	0.099	0.094
117	2017/06/09	09:36:18	0.094	0.098	0.097
118	2017/06/09	09:37:18	0.095	0.098	0.098
119	2017/06/09	09:38:18	0.095	0.100	0.092
120	2017/06/09	09:39:18	0.097	0.099	0.096
121	2017/06/09	09:40:18	0.094	0.098	0.094
122	2017/06/09	09:41:18	0.094	0.097	0.093
123	2017/06/09	09:42:18	0.093	0.095	0.093
124	2017/06/09	09:43:18	0.091	0.093	0.092
125	2017/06/09	09:44:18	0.091	0.094	0.093
126	2017/06/09	09:45:18	0.092	0.096	0.091
127	2017/06/09	09:46:18	0.092	0.094	0.093
128	2017/06/09	09:47:18	0.092	0.094	0.092
129	2017/06/09	09:48:18	0.091	0.093	0.091
130	2017/06/09	09:49:18	0.091	0.093	0.092
131	2017/06/09	09:50:18	0.090	0.092	0.089
132	2017/06/09	09:51:18	0.087	0.090	0.089
133	2017/06/09	09:52:18	0.088	0.091	0.089
134	2017/06/09	09:53:18	0.088	0.091	0.085
135	2017/06/09	09:54:18	0.086	0.089	0.084
136	2017/06/09	09:55:18	0.083	0.086	0.084
137	2017/06/09	09:56:18	0.084	0.087	0.079
138	2017/06/09	09:57:18	0.082	0.086	0.081
139	2017/06/09	09:58:18	0.081	0.086	0.086
140	2017/06/09	09:59:18	0.085	0.087	0.085
141	2017/06/09	10:00:18	0.084	0.086	0.084
142	2017/06/09	10:01:18	0.084	0.088	0.087
143	2017/06/09	10:02:18	0.085	0.088	0.081
144	2017/06/09	10:03:18	0.084	0.088	0.086
145	2017/06/09	10:04:18	0.084	0.086	0.085
146	2017/06/09	10:05:18	0.083	0.087	0.087
147	2017/06/09	10:06:18	0.086	0.089	0.085
148	2017/06/09	10:07:18	0.085	0.087	0.085

149	2017/06/09	10:08:18	0.084	0.086	0.085
150	2017/06/09	10:09:18	0.083	0.085	0.083
151	2017/06/09	10:10:18	0.083	0.086	0.084
152	2017/06/09	10:11:18	0.082	0.086	0.086
153	2017/06/09	10:12:18	0.083	0.086	0.083
154	2017/06/09	10:13:18	0.084	0.088	0.085
155	2017/06/09	10:14:18	0.084	0.087	0.083
156	2017/06/09	10:15:18	0.082	0.086	0.085
157	2017/06/09	10:16:18	0.083	0.085	0.082
158	2017/06/09	10:17:18	0.083	0.086	0.084
159	2017/06/09	10:18:18	0.082	0.085	0.084
160	2017/06/09	10:19:18	0.083	0.085	0.083
161	2017/06/09	10:20:18	0.080	0.083	0.080
162	2017/06/09	10:21:18	0.079	0.082	0.080
163	2017/06/09	10:22:18	0.080	0.083	0.081
164	2017/06/09	10:23:18	0.079	0.082	0.079
165	2017/06/09	10:24:18	0.079	0.081	0.079
166	2017/06/09	10:25:18	0.078	0.080	0.080
167	2017/06/09	10:26:18	0.077	0.081	0.078
168	2017/06/09	10:27:18	0.074	0.078	0.076
169	2017/06/09	10:28:18	0.076	0.078	0.077
170	2017/06/09	10:29:18	0.075	0.078	0.075
171	2017/06/09	10:30:18	0.075	0.078	0.076
172	2017/06/09	10:31:18	0.075	0.077	0.077
173	2017/06/09	10:32:18	0.075	0.078	0.075
174	2017/06/09	10:33:18	0.076	0.078	0.077
175	2017/06/09	10:34:18	0.075	0.077	0.073
176	2017/06/09	10:35:18	0.074	0.076	0.074
177	2017/06/09	10:36:18	0.074	0.077	0.074
178	2017/06/09	10:37:18	0.074	0.077	0.075
179	2017/06/09	10:38:18	0.073	0.077	0.071
180	2017/06/09	10:39:18	0.075	0.077	0.075
181	2017/06/09	10:40:18	0.075	0.078	0.076
182	2017/06/09	10:41:18	0.074	0.077	0.075
183	2017/06/09	10:42:18	0.074	0.077	0.071
184	2017/06/09	10:43:18	0.070	0.076	0.071
185	2017/06/09	10:44:18	0.073	0.076	0.075
186	2017/06/09	10:45:18	0.072	0.076	0.070
187	2017/06/09	10:46:18	0.074	0.077	0.076
188	2017/06/09	10:47:18	0.074	0.077	0.074
189	2017/06/09	10:48:18	0.075	0.076	0.075
190	2017/06/09	10:49:18	0.075	0.077	0.077
191	2017/06/09	10:50:18	0.077	0.079	0.078
192	2017/06/09	10:51:18	0.077	0.079	0.076
193	2017/06/09	10:52:18	0.076	0.079	0.076
194	2017/06/09	10:53:18	0.076	0.079	0.078
195	2017/06/09	10:54:18	0.076	0.081	0.078
196	2017/06/09	10:55:18	0.076	0.079	0.077
197	2017/06/09	10:56:18	0.076	0.078	0.077
198	2017/06/09	10:57:18	0.074	0.077	0.075
199	2017/06/09	10:58:18	0.075	0.078	0.077
200	2017/06/09	10:59:18	0.076	0.078	0.078
201	2017/06/09	11:00:18	0.072	0.077	0.070
202	2017/06/09	11:01:18	0.073	0.076	0.075
203	2017/06/09	11:02:18	0.071	0.076	0.066
204	2017/06/09	11:03:18	0.070	0.075	0.071
205	2017/06/09	11:04:18	0.072	0.075	0.070
206	2017/06/09	11:05:18	0.072	0.074	0.071
207	2017/06/09	11:06:18	0.071	0.074	0.073
208	2017/06/09	11:07:18	0.073	0.075	0.074
209	2017/06/09	11:08:18	0.074	0.076	0.074
210	2017/06/09	11:09:18	0.074	0.077	0.073
211	2017/06/09	11:10:18	0.074	0.077	0.075

212	2017/06/09	11:11:18	0.075	0.077	0.076
213	2017/06/09	11:12:18	0.073	0.077	0.074
214	2017/06/09	11:13:18	0.075	0.079	0.074
215	2017/06/09	11:14:18	0.100	0.294	0.079
216	2017/06/09	11:15:18	0.077	0.079	0.075
217	2017/06/09	11:16:18	0.077	0.080	0.079
218	2017/06/09	11:17:18	0.077	0.080	0.076
219	2017/06/09	11:18:18	0.075	0.078	0.073
220	2017/06/09	11:19:18	0.075	0.077	0.074
221	2017/06/09	11:20:18	0.073	0.078	0.073
222	2017/06/09	11:21:18	0.074	0.078	0.075
223	2017/06/09	11:22:18	0.076	0.078	0.075
224	2017/06/09	11:23:18	0.075	0.080	0.080
225	2017/06/09	11:24:18	0.075	0.079	0.075
226	2017/06/09	11:25:18	0.074	0.077	0.072
227	2017/06/09	11:26:18	0.073	0.076	0.075
228	2017/06/09	11:27:18	0.075	0.077	0.075
229	2017/06/09	11:28:18	0.073	0.077	0.075
230	2017/06/09	11:29:18	0.073	0.076	0.076
231	2017/06/09	11:30:18	0.072	0.076	0.068
232	2017/06/09	11:31:18	0.070	0.073	0.071
233	2017/06/09	11:32:18	0.072	0.075	0.072
234	2017/06/09	11:33:18	0.073	0.076	0.073
235	2017/06/09	11:34:18	0.071	0.075	0.070
236	2017/06/09	11:35:18	0.069	0.073	0.072
237	2017/06/09	11:36:18	0.070	0.073	0.071
238	2017/06/09	11:37:18	0.069	0.072	0.072
239	2017/06/09	11:38:18	0.072	0.074	0.070
240	2017/06/09	11:39:18	0.072	0.074	0.072
241	2017/06/09	11:40:18	0.070	0.074	0.071
242	2017/06/09	11:41:18	0.069	0.074	0.069
243	2017/06/09	11:42:18	0.069	0.072	0.072
244	2017/06/09	11:43:18	0.070	0.072	0.072
245	2017/06/09	11:44:18	0.071	0.073	0.072
246	2017/06/09	11:45:18	0.068	0.071	0.067
247	2017/06/09	11:46:18	0.068	0.072	0.069
248	2017/06/09	11:47:18	0.068	0.071	0.068
249	2017/06/09	11:48:18	0.069	0.072	0.068
250	2017/06/09	11:49:18	0.067	0.070	0.068
251	2017/06/09	11:50:18	0.068	0.073	0.066
252	2017/06/09	11:51:18	0.068	0.072	0.069
253	2017/06/09	11:52:18	0.071	0.074	0.072
254	2017/06/09	11:53:18	0.071	0.075	0.074
255	2017/06/09	11:54:18	0.071	0.075	0.068
256	2017/06/09	11:55:18	0.069	0.072	0.069
257	2017/06/09	11:56:18	0.068	0.072	0.068
258	2017/06/09	11:57:18	0.069	0.072	0.067
259	2017/06/09	11:58:18	0.067	0.072	0.072
260	2017/06/09	11:59:18	0.069	0.075	0.059
261	2017/06/09	12:00:18	0.070	0.074	0.070
262	2017/06/09	12:01:18	0.066	0.073	0.061
263	2017/06/09	12:02:18	0.070	0.076	0.076
264	2017/06/09	12:03:18	0.076	0.080	0.078
265	2017/06/09	12:04:18	0.078	0.082	0.078
266	2017/06/09	12:05:18	0.079	0.083	0.081
267	2017/06/09	12:06:18	0.081	0.086	0.078
268	2017/06/09	12:07:18	0.084	0.089	0.088
269	2017/06/09	12:08:18	0.085	0.090	0.082
270	2017/06/09	12:09:18	0.087	0.091	0.088
271	2017/06/09	12:10:18	0.093	0.097	0.097
272	2017/06/09	12:11:18	0.096	0.101	0.098
273	2017/06/09	12:12:18	0.098	0.103	0.101
274	2017/06/09	12:13:18	0.100	0.103	0.101

275	2017/06/09	12:14:18	0.102	0.106	0.105
276	2017/06/09	12:15:18	0.106	0.109	0.108
277	2017/06/09	12:16:18	0.108	0.110	0.108
278	2017/06/09	12:17:18	0.107	0.110	0.109
279	2017/06/09	12:18:18	0.106	0.110	0.105
280	2017/06/09	12:19:18	0.105	0.107	0.103
281	2017/06/09	12:20:18	0.104	0.106	0.105
282	2017/06/09	12:21:18	0.103	0.106	0.105
283	2017/06/09	12:22:18	0.102	0.105	0.104
284	2017/06/09	12:23:18	0.101	0.104	0.100
285	2017/06/09	12:24:18	0.101	0.103	0.102
286	2017/06/09	12:25:18	0.097	0.102	0.094
287	2017/06/09	12:26:18	0.093	0.096	0.093
288	2017/06/09	12:27:18	0.092	0.096	0.093
289	2017/06/09	12:28:18	0.091	0.093	0.089
290	2017/06/09	12:29:18	0.088	0.092	0.087
291	2017/06/09	12:30:18	0.086	0.091	0.084
292	2017/06/09	12:31:18	0.088	0.091	0.087
293	2017/06/09	12:32:18	0.087	0.091	0.084
294	2017/06/09	12:33:18	0.088	0.093	0.093
295	2017/06/09	12:34:18	0.093	0.096	0.094
296	2017/06/09	12:35:18	0.093	0.096	0.095
297	2017/06/09	12:36:18	0.094	0.098	0.089
298	2017/06/09	12:37:18	0.090	0.094	0.091
299	2017/06/09	12:38:18	0.089	0.092	0.090
300	2017/06/09	12:39:18	0.089	0.095	0.091
301	2017/06/09	12:40:18	0.090	0.093	0.086
302	2017/06/09	12:41:18	0.085	0.089	0.086
303	2017/06/09	12:42:18	0.088	0.092	0.088
304	2017/06/09	12:43:18	0.089	0.092	0.087
305	2017/06/09	12:44:18	0.087	0.091	0.090
306	2017/06/09	12:45:18	0.085	0.090	0.084
307	2017/06/09	12:46:18	0.086	0.091	0.084
308	2017/06/09	12:47:18	0.083	0.087	0.083
309	2017/06/09	12:48:18	0.084	0.086	0.085
310	2017/06/09	12:49:18	0.079	0.085	0.078
311	2017/06/09	12:50:18	0.078	0.081	0.076
312	2017/06/09	12:51:18	0.077	0.080	0.079
313	2017/06/09	12:52:18	0.079	0.083	0.080
314	2017/06/09	12:53:18	0.080	0.084	0.077
315	2017/06/09	12:54:18	0.078	0.082	0.078
316	2017/06/09	12:55:18	0.080	0.083	0.081
317	2017/06/09	12:56:18	0.083	0.087	0.087
318	2017/06/09	12:57:18	0.085	0.087	0.084
319	2017/06/09	12:58:18	0.082	0.084	0.084
320	2017/06/09	12:59:18	0.082	0.085	0.084
321	2017/06/09	13:00:18	0.080	0.083	0.080
322	2017/06/09	13:01:18	0.076	0.080	0.073
323	2017/06/09	13:02:18	0.074	0.078	0.074
324	2017/06/09	13:03:18	0.072	0.076	0.072
325	2017/06/09	13:04:18	0.072	0.075	0.071
326	2017/06/09	13:05:18	0.072	0.075	0.075
327	2017/06/09	13:06:18	0.073	0.076	0.073
328	2017/06/09	13:07:18	0.071	0.075	0.072
329	2017/06/09	13:08:18	0.071	0.075	0.069
330	2017/06/09	13:09:18	0.072	0.075	0.074
331	2017/06/09	13:10:18	0.072	0.075	0.075
332	2017/06/09	13:11:18	0.075	0.078	0.074
333	2017/06/09	13:12:18	0.075	0.078	0.076
334	2017/06/09	13:13:18	0.076	0.083	0.071
335	2017/06/09	13:14:18	0.072	0.076	0.071
336	2017/06/09	13:15:18	0.072	0.077	0.073
337	2017/06/09	13:16:18	0.074	0.080	0.079

338	2017/06/09	13:17:18	0.078	0.081	0.080
339	2017/06/09	13:18:18	0.079	0.082	0.080
340	2017/06/09	13:19:18	0.081	0.086	0.084
341	2017/06/09	13:20:18	0.083	0.089	0.087
342	2017/06/09	13:21:18	0.088	0.092	0.087
343	2017/06/09	13:22:18	0.088	0.093	0.092
344	2017/06/09	13:23:18	0.091	0.095	0.089
345	2017/06/09	13:24:18	0.093	0.098	0.092
346	2017/06/09	13:25:18	0.093	0.098	0.094
347	2017/06/09	13:26:18	0.098	0.102	0.098
348	2017/06/09	13:27:18	0.102	0.106	0.096
349	2017/06/09	13:28:18	0.098	0.103	0.092
350	2017/06/09	13:29:18	0.099	0.103	0.103
351	2017/06/09	13:30:18	0.099	0.103	0.096
352	2017/06/09	13:31:18	0.099	0.104	0.100
353	2017/06/09	13:32:18	0.101	0.105	0.104
354	2017/06/09	13:33:18	0.099	0.104	0.103
355	2017/06/09	13:34:18	0.106	0.110	0.109
356	2017/06/09	13:35:18	0.106	0.111	0.111
357	2017/06/09	13:36:18	0.108	0.111	0.105
358	2017/06/09	13:37:18	0.107	0.111	0.108
359	2017/06/09	13:38:18	0.113	0.117	0.114
360	2017/06/09	13:39:18	0.109	0.114	0.110
361	2017/06/09	13:40:18	0.108	0.112	0.109
362	2017/06/09	13:41:18	0.107	0.110	0.109
363	2017/06/09	13:42:18	0.107	0.110	0.102
364	2017/06/09	13:43:18	0.102	0.108	0.102
365	2017/06/09	13:44:18	0.102	0.106	0.104
366	2017/06/09	13:45:18	0.103	0.106	0.102
367	2017/06/09	13:46:18	0.102	0.106	0.102
368	2017/06/09	13:47:18	0.097	0.102	0.101
369	2017/06/09	13:48:18	0.103	0.106	0.106
370	2017/06/09	13:49:18	0.105	0.107	0.103
371	2017/06/09	13:50:18	0.103	0.108	0.102
372	2017/06/09	13:51:18	0.101	0.106	0.105
373	2017/06/09	13:52:18	0.101	0.105	0.101
374	2017/06/09	13:53:18	0.102	0.105	0.102
375	2017/06/09	13:54:18	0.101	0.107	0.102
376	2017/06/09	13:55:18	0.100	0.104	0.095
377	2017/06/09	13:56:18	0.097	0.102	0.101
378	2017/06/09	13:57:18	0.103	0.106	0.100
379	2017/06/09	13:58:18	0.102	0.109	0.109
380	2017/06/09	13:59:18	0.108	0.111	0.109
381	2017/06/09	14:00:18	0.110	0.113	0.110
382	2017/06/09	14:01:18	0.114	0.119	0.113
383	2017/06/09	14:02:18	0.115	0.120	0.118
384	2017/06/09	14:03:18	0.121	0.126	0.126
385	2017/06/09	14:04:18	0.124	0.129	0.124
386	2017/06/09	14:05:18	0.129	0.133	0.128
387	2017/06/09	14:06:18	0.130	0.134	0.133
388	2017/06/09	14:07:18	0.132	0.138	0.138
389	2017/06/09	14:08:18	0.138	0.141	0.138
390	2017/06/09	14:09:18	0.137	0.140	0.139
391	2017/06/09	14:10:18	0.137	0.143	0.140
392	2017/06/09	14:11:18	0.138	0.142	0.140
393	2017/06/09	14:12:18	0.141	0.145	0.143
394	2017/06/09	14:13:18	0.145	0.148	0.143
395	2017/06/09	14:14:18	0.147	0.149	0.149
396	2017/06/09	14:15:18	0.147	0.150	0.145
397	2017/06/09	14:16:18	0.147	0.150	0.148
398	2017/06/09	14:17:18	0.146	0.148	0.146
399	2017/06/09	14:18:18	0.142	0.146	0.142
400	2017/06/09	14:19:18	0.139	0.142	0.135

401	2017/06/09	14:20:18	0.136	0.139	0.134
402	2017/06/09	14:21:18	0.131	0.135	0.133
403	2017/06/09	14:22:18	0.130	0.133	0.131
404	2017/06/09	14:23:18	0.128	0.131	0.129
405	2017/06/09	14:24:18	0.125	0.129	0.122
406	2017/06/09	14:25:18	0.127	0.132	0.126
407	2017/06/09	14:26:18	0.123	0.128	0.124
408	2017/06/09	14:27:18	0.126	0.129	0.127
409	2017/06/09	14:28:18	0.127	0.129	0.125
410	2017/06/09	14:29:18	0.124	0.128	0.123
411	2017/06/09	14:30:18	0.125	0.128	0.126
412	2017/06/09	14:31:18	0.125	0.129	0.127
413	2017/06/09	14:32:18	0.126	0.129	0.128
414	2017/06/09	14:33:18	0.129	0.132	0.129
415	2017/06/09	14:34:18	0.128	0.131	0.127
416	2017/06/09	14:35:18	0.125	0.128	0.127
417	2017/06/09	14:36:18	0.126	0.129	0.122
418	2017/06/09	14:37:18	0.124	0.126	0.124
419	2017/06/09	14:38:18	0.122	0.125	0.124
420	2017/06/09	14:39:18	0.120	0.124	0.119
421	2017/06/09	14:40:18	0.118	0.121	0.119
422	2017/06/09	14:41:18	0.117	0.120	0.117
423	2017/06/09	14:42:18	0.116	0.119	0.113
424	2017/06/09	14:43:18	0.112	0.116	0.111
425	2017/06/09	14:44:18	0.110	0.116	0.108
426	2017/06/09	14:45:18	0.108	0.111	0.111
427	2017/06/09	14:46:18	0.109	0.112	0.109
428	2017/06/09	14:47:18	0.109	0.112	0.110
429	2017/06/09	14:48:18	0.107	0.111	0.105
430	2017/06/09	14:49:18	0.106	0.109	0.106
431	2017/06/09	14:50:18	0.103	0.107	0.104
432	2017/06/09	14:51:18	0.106	0.109	0.107
433	2017/06/09	14:52:18	0.104	0.107	0.103
434	2017/06/09	14:53:18	0.103	0.106	0.106
435	2017/06/09	14:54:18	0.104	0.107	0.103
436	2017/06/09	14:55:18	0.103	0.107	0.107
437	2017/06/09	14:56:18	0.105	0.107	0.105
438	2017/06/09	14:57:18	0.105	0.108	0.106
439	2017/06/09	14:58:18	0.106	0.109	0.108
440	2017/06/09	14:59:18	0.109	0.111	0.110
441	2017/06/09	15:00:18	0.108	0.112	0.108
442	2017/06/09	15:01:18	0.107	0.111	0.107
443	2017/06/09	15:02:18	0.106	0.109	0.105
444	2017/06/09	15:03:18	0.106	0.109	0.108
445	2017/06/09	15:04:18	0.106	0.109	0.108
446	2017/06/09	15:05:18	0.107	0.110	0.109
447	2017/06/09	15:06:18	0.105	0.110	0.102
448	2017/06/09	15:07:18	0.100	0.104	0.097
449	2017/06/09	15:08:18	0.099	0.102	0.096
450	2017/06/09	15:09:18	0.097	0.101	0.097
451	2017/06/09	15:10:18	0.099	0.102	0.098
452	2017/06/09	15:11:18	0.098	0.101	0.096
453	2017/06/09	15:12:18	0.097	0.101	0.099
454	2017/06/09	15:13:18	0.099	0.103	0.102
455	2017/06/09	15:14:18	0.101	0.105	0.104
456	2017/06/09	15:15:18	0.103	0.106	0.105
457	2017/06/09	15:16:18	0.104	0.107	0.105
458	2017/06/09	15:17:18	0.105	0.108	0.104
459	2017/06/09	15:18:18	0.108	0.111	0.110
460	2017/06/09	15:19:18	0.108	0.111	0.107
461	2017/06/09	15:20:18	0.105	0.109	0.109
462	2017/06/09	15:21:18	0.110	0.113	0.111
463	2017/06/09	15:22:18	0.107	0.111	0.109

464	2017/06/09 15:23:18	0.109	0.113	0.111
465	2017/06/09 15:24:18	0.107	0.112	0.105
466	2017/06/09 15:25:18	0.105	0.111	0.108
467	2017/06/09 15:26:18	0.108	0.113	0.111
468	2017/06/09 15:27:18	0.110	0.116	0.116
469	2017/06/09 15:28:18	0.113	0.117	0.115
470	2017/06/09 15:29:18	0.120	0.123	0.121
471	2017/06/09 15:30:18	0.121	0.124	0.123
472	2017/06/09 15:31:18	0.120	0.124	0.122
473	2017/06/09 15:32:18	0.119	0.122	0.121
474	2017/06/09 15:33:18	0.119	0.122	0.119
475	2017/06/09 15:34:18	0.117	0.123	0.115
476	2017/06/09 15:35:18	0.115	0.117	0.113
477	2017/06/09 15:36:18	0.116	0.120	0.118
478	2017/06/09 15:37:18	0.118	0.120	0.118
479	2017/06/09 15:38:18	0.118	0.121	0.117
480	2017/06/09 15:39:18	0.114	0.118	0.112
481	2017/06/09 15:40:18	0.115	0.117	0.115
482	2017/06/09 15:41:18	0.115	0.118	0.115
483	2017/06/09 15:42:18	0.113	0.117	0.111
484	2017/06/09 15:43:18	0.115	0.117	0.117
485	2017/06/09 15:44:18	0.115	0.118	0.112
486	2017/06/09 15:45:18	0.115	0.118	0.113
487	2017/06/09 15:46:18	0.117	0.120	0.117
488	2017/06/09 15:47:18	0.117	0.120	0.116
489	2017/06/09 15:48:18	0.116	0.118	0.116
490	2017/06/09 15:49:18	0.113	0.116	0.114
491	2017/06/09 15:50:18	0.112	0.115	0.113
492	2017/06/09 15:51:18	0.113	0.115	0.111
493	2017/06/09 15:52:18	0.109	0.113	0.105
494	2017/06/09 15:53:18	0.106	0.109	0.106
495	2017/06/09 15:54:18	0.103	0.107	0.100
496	2017/06/09 15:55:18	0.105	0.107	0.104
497	2017/06/09 15:56:18	0.103	0.106	0.103
498	2017/06/09 15:57:18	0.101	0.104	0.099
499	2017/06/09 15:58:18	0.100	0.104	0.102
500	2017/06/09 15:59:18	0.101	0.104	0.101
501	2017/06/09 16:00:18	0.101	0.105	0.102
502	2017/06/09 16:01:18	0.105	0.109	0.107
503	2017/06/09 16:02:18	0.111	0.116	0.114
504	2017/06/09 16:03:18	0.113	0.117	0.117
505	2017/06/09 16:04:18	0.118	0.122	0.117
506	2017/06/09 16:05:18	0.116	0.119	0.118
507	2017/06/09 16:06:18	0.118	0.121	0.121
508	2017/06/09 16:07:18	0.117	0.120	0.115
509	2017/06/09 16:08:18	0.113	0.116	0.113
510	2017/06/09 16:09:18	0.110	0.113	0.110
511	2017/06/09 16:10:18	0.107	0.111	0.104
512	2017/06/09 16:11:18	0.107	0.110	0.104
513	2017/06/09 16:12:18	0.104	0.108	0.105
514	2017/06/09 16:13:18	0.105	0.108	0.104
515	2017/06/09 16:14:18	0.103	0.107	0.104
Peak		0.147	0.294	0.149
Min		0.000	0.000	0.000
Average		0.088	0.093	0.089

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TWA/STEL Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2017/06/09 07:40:18	0.000	---
002	2017/06/09 07:41:18	0.000	---
003	2017/06/09 07:42:18	0.000	---
004	2017/06/09 07:43:18	0.000	---

005	2017/06/09 07:44:18	0.000	---
006	2017/06/09 07:45:18	0.000	---
007	2017/06/09 07:46:18	0.000	---
008	2017/06/09 07:47:18	0.000	---
009	2017/06/09 07:48:18	0.000	---
010	2017/06/09 07:49:18	0.000	---
011	2017/06/09 07:50:18	0.000	---
012	2017/06/09 07:51:18	0.000	---
013	2017/06/09 07:52:18	0.001	---
014	2017/06/09 07:53:18	0.001	---
015	2017/06/09 07:54:18	0.001	0.027
016	2017/06/09 07:55:18	0.001	0.031
017	2017/06/09 07:56:18	0.001	0.035
018	2017/06/09 07:57:18	0.001	0.039
019	2017/06/09 07:58:18	0.001	0.043
020	2017/06/09 07:59:18	0.001	0.047
021	2017/06/09 08:00:18	0.002	0.051
022	2017/06/09 08:01:18	0.002	0.055
023	2017/06/09 08:02:18	0.002	0.059
024	2017/06/09 08:03:18	0.002	0.063
025	2017/06/09 08:04:18	0.002	0.061
026	2017/06/09 08:05:18	0.002	0.061
027	2017/06/09 08:06:18	0.002	0.061
028	2017/06/09 08:07:18	0.003	0.062
029	2017/06/09 08:08:18	0.003	0.062
030	2017/06/09 08:09:18	0.003	0.062
031	2017/06/09 08:10:18	0.003	0.062
032	2017/06/09 08:11:18	0.003	0.062
033	2017/06/09 08:12:18	0.003	0.063
034	2017/06/09 08:13:18	0.003	0.063
035	2017/06/09 08:14:18	0.003	0.063
036	2017/06/09 08:15:18	0.004	0.064
037	2017/06/09 08:16:18	0.004	0.064
038	2017/06/09 08:17:18	0.004	0.065
039	2017/06/09 08:18:18	0.004	0.065
040	2017/06/09 08:19:18	0.004	0.066
041	2017/06/09 08:20:18	0.004	0.067
042	2017/06/09 08:21:18	0.004	0.067
043	2017/06/09 08:22:18	0.005	0.067
044	2017/06/09 08:23:18	0.005	0.067
045	2017/06/09 08:24:18	0.005	0.068
046	2017/06/09 08:25:18	0.005	0.068
047	2017/06/09 08:26:18	0.005	0.069
048	2017/06/09 08:27:18	0.005	0.069
049	2017/06/09 08:28:18	0.005	0.069
050	2017/06/09 08:29:18	0.006	0.070
051	2017/06/09 08:30:18	0.006	0.070
052	2017/06/09 08:31:18	0.006	0.070
053	2017/06/09 08:32:18	0.006	0.070
054	2017/06/09 08:33:18	0.006	0.071
055	2017/06/09 08:34:18	0.006	0.071
056	2017/06/09 08:35:18	0.007	0.071
057	2017/06/09 08:36:18	0.007	0.071
058	2017/06/09 08:37:18	0.007	0.072
059	2017/06/09 08:38:18	0.007	0.072
060	2017/06/09 08:39:18	0.007	0.072
061	2017/06/09 08:40:18	0.007	0.072
062	2017/06/09 08:41:18	0.007	0.072
063	2017/06/09 08:42:18	0.008	0.073
064	2017/06/09 08:43:18	0.008	0.073
065	2017/06/09 08:44:18	0.008	0.073
066	2017/06/09 08:45:18	0.008	0.073
067	2017/06/09 08:46:18	0.008	0.074

068	2017/06/09	08:47:18	0.008	0.074
069	2017/06/09	08:48:18	0.009	0.075
070	2017/06/09	08:49:18	0.009	0.075
071	2017/06/09	08:50:18	0.009	0.075
072	2017/06/09	08:51:18	0.009	0.076
073	2017/06/09	08:52:18	0.009	0.076
074	2017/06/09	08:53:18	0.009	0.076
075	2017/06/09	08:54:18	0.010	0.076
076	2017/06/09	08:55:18	0.010	0.077
077	2017/06/09	08:56:18	0.010	0.077
078	2017/06/09	08:57:18	0.010	0.077
079	2017/06/09	08:58:18	0.010	0.078
080	2017/06/09	08:59:18	0.010	0.078
081	2017/06/09	09:00:18	0.011	0.079
082	2017/06/09	09:01:18	0.011	0.079
083	2017/06/09	09:02:18	0.011	0.079
084	2017/06/09	09:03:18	0.011	0.079
085	2017/06/09	09:04:18	0.011	0.080
086	2017/06/09	09:05:18	0.011	0.080
087	2017/06/09	09:06:18	0.012	0.080
088	2017/06/09	09:07:18	0.012	0.080
089	2017/06/09	09:08:18	0.012	0.081
090	2017/06/09	09:09:18	0.012	0.081
091	2017/06/09	09:10:18	0.012	0.081
092	2017/06/09	09:11:18	0.012	0.081
093	2017/06/09	09:12:18	0.013	0.081
094	2017/06/09	09:13:18	0.013	0.081
095	2017/06/09	09:14:18	0.013	0.081
096	2017/06/09	09:15:18	0.013	0.081
097	2017/06/09	09:16:18	0.013	0.081
098	2017/06/09	09:17:18	0.013	0.081
099	2017/06/09	09:18:18	0.014	0.082
100	2017/06/09	09:19:18	0.014	0.082
101	2017/06/09	09:20:18	0.014	0.082
102	2017/06/09	09:21:18	0.014	0.082
103	2017/06/09	09:22:18	0.014	0.082
104	2017/06/09	09:23:18	0.014	0.083
105	2017/06/09	09:24:18	0.015	0.083
106	2017/06/09	09:25:18	0.015	0.084
107	2017/06/09	09:26:18	0.015	0.085
108	2017/06/09	09:27:18	0.015	0.085
109	2017/06/09	09:28:18	0.015	0.086
110	2017/06/09	09:29:18	0.016	0.087
111	2017/06/09	09:30:18	0.016	0.088
112	2017/06/09	09:31:18	0.016	0.088
113	2017/06/09	09:32:18	0.016	0.089
114	2017/06/09	09:33:18	0.016	0.089
115	2017/06/09	09:34:18	0.017	0.091
116	2017/06/09	09:35:18	0.017	0.091
117	2017/06/09	09:36:18	0.017	0.092
118	2017/06/09	09:37:18	0.017	0.093
119	2017/06/09	09:38:18	0.017	0.093
120	2017/06/09	09:39:18	0.018	0.094
121	2017/06/09	09:40:18	0.018	0.094
122	2017/06/09	09:41:18	0.018	0.094
123	2017/06/09	09:42:18	0.018	0.095
124	2017/06/09	09:43:18	0.018	0.095
125	2017/06/09	09:44:18	0.019	0.094
126	2017/06/09	09:45:18	0.019	0.094
127	2017/06/09	09:46:18	0.019	0.094
128	2017/06/09	09:47:18	0.019	0.094
129	2017/06/09	09:48:18	0.019	0.094
130	2017/06/09	09:49:18	0.020	0.093

131	2017/06/09 09:50:18	0.020	0.093
132	2017/06/09 09:51:18	0.020	0.093
133	2017/06/09 09:52:18	0.020	0.092
134	2017/06/09 09:53:18	0.020	0.091
135	2017/06/09 09:54:18	0.020	0.091
136	2017/06/09 09:55:18	0.021	0.090
137	2017/06/09 09:56:18	0.021	0.089
138	2017/06/09 09:57:18	0.021	0.088
139	2017/06/09 09:58:18	0.021	0.088
140	2017/06/09 09:59:18	0.021	0.087
141	2017/06/09 10:00:18	0.021	0.087
142	2017/06/09 10:01:18	0.022	0.086
143	2017/06/09 10:02:18	0.022	0.086
144	2017/06/09 10:03:18	0.022	0.085
145	2017/06/09 10:04:18	0.022	0.085
146	2017/06/09 10:05:18	0.022	0.085
147	2017/06/09 10:06:18	0.023	0.085
148	2017/06/09 10:07:18	0.023	0.084
149	2017/06/09 10:08:18	0.023	0.084
150	2017/06/09 10:09:18	0.023	0.084
151	2017/06/09 10:10:18	0.023	0.084
152	2017/06/09 10:11:18	0.023	0.085
153	2017/06/09 10:12:18	0.024	0.085
154	2017/06/09 10:13:18	0.024	0.085
155	2017/06/09 10:14:18	0.024	0.085
156	2017/06/09 10:15:18	0.024	0.085
157	2017/06/09 10:16:18	0.024	0.084
158	2017/06/09 10:17:18	0.024	0.085
159	2017/06/09 10:18:18	0.025	0.084
160	2017/06/09 10:19:18	0.025	0.084
161	2017/06/09 10:20:18	0.025	0.084
162	2017/06/09 10:21:18	0.025	0.083
163	2017/06/09 10:22:18	0.025	0.083
164	2017/06/09 10:23:18	0.025	0.083
165	2017/06/09 10:24:18	0.026	0.083
166	2017/06/09 10:25:18	0.026	0.082
167	2017/06/09 10:26:18	0.026	0.082
168	2017/06/09 10:27:18	0.026	0.081
169	2017/06/09 10:28:18	0.026	0.081
170	2017/06/09 10:29:18	0.026	0.080
171	2017/06/09 10:30:18	0.027	0.080
172	2017/06/09 10:31:18	0.027	0.079
173	2017/06/09 10:32:18	0.027	0.079
174	2017/06/09 10:33:18	0.027	0.078
175	2017/06/09 10:34:18	0.027	0.078
176	2017/06/09 10:35:18	0.027	0.077
177	2017/06/09 10:36:18	0.028	0.077
178	2017/06/09 10:37:18	0.028	0.076
179	2017/06/09 10:38:18	0.028	0.076
180	2017/06/09 10:39:18	0.028	0.076
181	2017/06/09 10:40:18	0.028	0.075
182	2017/06/09 10:41:18	0.028	0.075
183	2017/06/09 10:42:18	0.028	0.075
184	2017/06/09 10:43:18	0.029	0.074
185	2017/06/09 10:44:18	0.029	0.074
186	2017/06/09 10:45:18	0.029	0.074
187	2017/06/09 10:46:18	0.029	0.074
188	2017/06/09 10:47:18	0.029	0.074
189	2017/06/09 10:48:18	0.029	0.074
190	2017/06/09 10:49:18	0.030	0.074
191	2017/06/09 10:50:18	0.030	0.074
192	2017/06/09 10:51:18	0.030	0.074
193	2017/06/09 10:52:18	0.030	0.074

194	2017/06/09	10:53:18	0.030	0.075
195	2017/06/09	10:54:18	0.030	0.075
196	2017/06/09	10:55:18	0.031	0.075
197	2017/06/09	10:56:18	0.031	0.075
198	2017/06/09	10:57:18	0.031	0.076
199	2017/06/09	10:58:18	0.031	0.076
200	2017/06/09	10:59:18	0.031	0.076
201	2017/06/09	11:00:18	0.031	0.076
202	2017/06/09	11:01:18	0.031	0.076
203	2017/06/09	11:02:18	0.032	0.076
204	2017/06/09	11:03:18	0.032	0.075
205	2017/06/09	11:04:18	0.032	0.075
206	2017/06/09	11:05:18	0.032	0.074
207	2017/06/09	11:06:18	0.032	0.074
208	2017/06/09	11:07:18	0.032	0.074
209	2017/06/09	11:08:18	0.032	0.074
210	2017/06/09	11:09:18	0.033	0.073
211	2017/06/09	11:10:18	0.033	0.073
212	2017/06/09	11:11:18	0.033	0.073
213	2017/06/09	11:12:18	0.033	0.073
214	2017/06/09	11:13:18	0.033	0.073
215	2017/06/09	11:14:18	0.033	0.073
216	2017/06/09	11:15:18	0.034	0.073
217	2017/06/09	11:16:18	0.034	0.074
218	2017/06/09	11:17:18	0.034	0.074
219	2017/06/09	11:18:18	0.034	0.074
220	2017/06/09	11:19:18	0.034	0.075
221	2017/06/09	11:20:18	0.034	0.075
222	2017/06/09	11:21:18	0.035	0.075
223	2017/06/09	11:22:18	0.035	0.075
224	2017/06/09	11:23:18	0.035	0.075
225	2017/06/09	11:24:18	0.035	0.076
226	2017/06/09	11:25:18	0.035	0.075
227	2017/06/09	11:26:18	0.035	0.075
228	2017/06/09	11:27:18	0.035	0.075
229	2017/06/09	11:28:18	0.036	0.075
230	2017/06/09	11:29:18	0.036	0.075
231	2017/06/09	11:30:18	0.036	0.075
232	2017/06/09	11:31:18	0.036	0.074
233	2017/06/09	11:32:18	0.036	0.074
234	2017/06/09	11:33:18	0.036	0.074
235	2017/06/09	11:34:18	0.037	0.074
236	2017/06/09	11:35:18	0.037	0.074
237	2017/06/09	11:36:18	0.037	0.073
238	2017/06/09	11:37:18	0.037	0.073
239	2017/06/09	11:38:18	0.037	0.072
240	2017/06/09	11:39:18	0.037	0.072
241	2017/06/09	11:40:18	0.037	0.072
242	2017/06/09	11:41:18	0.038	0.072
243	2017/06/09	11:42:18	0.038	0.072
244	2017/06/09	11:43:18	0.038	0.071
245	2017/06/09	11:44:18	0.038	0.071
246	2017/06/09	11:45:18	0.038	0.071
247	2017/06/09	11:46:18	0.038	0.071
248	2017/06/09	11:47:18	0.038	0.071
249	2017/06/09	11:48:18	0.039	0.070
250	2017/06/09	11:49:18	0.039	0.070
251	2017/06/09	11:50:18	0.039	0.070
252	2017/06/09	11:51:18	0.039	0.070
253	2017/06/09	11:52:18	0.039	0.070
254	2017/06/09	11:53:18	0.039	0.070
255	2017/06/09	11:54:18	0.039	0.070
256	2017/06/09	11:55:18	0.040	0.070

257	2017/06/09	11:56:18	0.040 0.069
258	2017/06/09	11:57:18	0.040 0.069
259	2017/06/09	11:58:18	0.040 0.069
260	2017/06/09	11:59:18	0.040 0.068
261	2017/06/09	12:00:18	0.040 0.068
262	2017/06/09	12:01:18	0.040 0.068
263	2017/06/09	12:02:18	0.041 0.068
264	2017/06/09	12:03:18	0.041 0.069
265	2017/06/09	12:04:18	0.041 0.070
266	2017/06/09	12:05:18	0.041 0.071
267	2017/06/09	12:06:18	0.041 0.071
268	2017/06/09	12:07:18	0.041 0.072
269	2017/06/09	12:08:18	0.042 0.073
270	2017/06/09	12:09:18	0.042 0.074
271	2017/06/09	12:10:18	0.042 0.076
272	2017/06/09	12:11:18	0.042 0.078
273	2017/06/09	12:12:18	0.042 0.080
274	2017/06/09	12:13:18	0.043 0.082
275	2017/06/09	12:14:18	0.043 0.085
276	2017/06/09	12:15:18	0.043 0.088
277	2017/06/09	12:16:18	0.043 0.091
278	2017/06/09	12:17:18	0.043 0.093
279	2017/06/09	12:18:18	0.044 0.095
280	2017/06/09	12:19:18	0.044 0.097
281	2017/06/09	12:20:18	0.044 0.098
282	2017/06/09	12:21:18	0.044 0.100
283	2017/06/09	12:22:18	0.045 0.101
284	2017/06/09	12:23:18	0.045 0.102
285	2017/06/09	12:24:18	0.045 0.103
286	2017/06/09	12:25:18	0.045 0.103
287	2017/06/09	12:26:18	0.045 0.103
288	2017/06/09	12:27:18	0.046 0.102
289	2017/06/09	12:28:18	0.046 0.102
290	2017/06/09	12:29:18	0.046 0.100
291	2017/06/09	12:30:18	0.046 0.099
292	2017/06/09	12:31:18	0.046 0.097
293	2017/06/09	12:32:18	0.046 0.096
294	2017/06/09	12:33:18	0.047 0.095
295	2017/06/09	12:34:18	0.047 0.094
296	2017/06/09	12:35:18	0.047 0.094
297	2017/06/09	12:36:18	0.047 0.093
298	2017/06/09	12:37:18	0.047 0.092
299	2017/06/09	12:38:18	0.048 0.091
300	2017/06/09	12:39:18	0.048 0.090
301	2017/06/09	12:40:18	0.048 0.090
302	2017/06/09	12:41:18	0.048 0.089
303	2017/06/09	12:42:18	0.048 0.089
304	2017/06/09	12:43:18	0.049 0.089
305	2017/06/09	12:44:18	0.049 0.089
306	2017/06/09	12:45:18	0.049 0.089
307	2017/06/09	12:46:18	0.049 0.089
308	2017/06/09	12:47:18	0.049 0.089
309	2017/06/09	12:48:18	0.049 0.088
310	2017/06/09	12:49:18	0.050 0.087
311	2017/06/09	12:50:18	0.050 0.086
312	2017/06/09	12:51:18	0.050 0.085
313	2017/06/09	12:52:18	0.050 0.084
314	2017/06/09	12:53:18	0.050 0.084
315	2017/06/09	12:54:18	0.050 0.083
316	2017/06/09	12:55:18	0.051 0.082
317	2017/06/09	12:56:18	0.051 0.082
318	2017/06/09	12:57:18	0.051 0.082
319	2017/06/09	12:58:18	0.051 0.082

320	2017/06/09	12:59:18	0.051 0.082
321	2017/06/09	13:00:18	0.051 0.081
322	2017/06/09	13:01:18	0.052 0.081
323	2017/06/09	13:02:18	0.052 0.080
324	2017/06/09	13:03:18	0.052 0.079
325	2017/06/09	13:04:18	0.052 0.079
326	2017/06/09	13:05:18	0.052 0.079
327	2017/06/09	13:06:18	0.052 0.078
328	2017/06/09	13:07:18	0.053 0.078
329	2017/06/09	13:08:18	0.053 0.077
330	2017/06/09	13:09:18	0.053 0.077
331	2017/06/09	13:10:18	0.053 0.076
332	2017/06/09	13:11:18	0.053 0.076
333	2017/06/09	13:12:18	0.053 0.075
334	2017/06/09	13:13:18	0.053 0.074
335	2017/06/09	13:14:18	0.054 0.073
336	2017/06/09	13:15:18	0.054 0.073
337	2017/06/09	13:16:18	0.054 0.073
338	2017/06/09	13:17:18	0.054 0.074
339	2017/06/09	13:18:18	0.054 0.074
340	2017/06/09	13:19:18	0.054 0.075
341	2017/06/09	13:20:18	0.055 0.076
342	2017/06/09	13:21:18	0.055 0.077
343	2017/06/09	13:22:18	0.055 0.078
344	2017/06/09	13:23:18	0.055 0.079
345	2017/06/09	13:24:18	0.055 0.081
346	2017/06/09	13:25:18	0.056 0.082
347	2017/06/09	13:26:18	0.056 0.084
348	2017/06/09	13:27:18	0.056 0.085
349	2017/06/09	13:28:18	0.056 0.086
350	2017/06/09	13:29:18	0.056 0.088
351	2017/06/09	13:30:18	0.057 0.090
352	2017/06/09	13:31:18	0.057 0.091
353	2017/06/09	13:32:18	0.057 0.093
354	2017/06/09	13:33:18	0.057 0.094
355	2017/06/09	13:34:18	0.057 0.096
356	2017/06/09	13:35:18	0.058 0.098
357	2017/06/09	13:36:18	0.058 0.099
358	2017/06/09	13:37:18	0.058 0.100
359	2017/06/09	13:38:18	0.058 0.102
360	2017/06/09	13:39:18	0.059 0.103
361	2017/06/09	13:40:18	0.059 0.104
362	2017/06/09	13:41:18	0.059 0.105
363	2017/06/09	13:42:18	0.059 0.105
364	2017/06/09	13:43:18	0.059 0.106
365	2017/06/09	13:44:18	0.060 0.106
366	2017/06/09	13:45:18	0.060 0.106
367	2017/06/09	13:46:18	0.060 0.106
368	2017/06/09	13:47:18	0.060 0.106
369	2017/06/09	13:48:18	0.060 0.106
370	2017/06/09	13:49:18	0.061 0.106
371	2017/06/09	13:50:18	0.061 0.105
372	2017/06/09	13:51:18	0.061 0.105
373	2017/06/09	13:52:18	0.061 0.105
374	2017/06/09	13:53:18	0.062 0.104
375	2017/06/09	13:54:18	0.062 0.103
376	2017/06/09	13:55:18	0.062 0.103
377	2017/06/09	13:56:18	0.062 0.102
378	2017/06/09	13:57:18	0.062 0.102
379	2017/06/09	13:58:18	0.063 0.102
380	2017/06/09	13:59:18	0.063 0.103
381	2017/06/09	14:00:18	0.063 0.103
382	2017/06/09	14:01:18	0.063 0.104

383	2017/06/09	14:02:18	0.064 0.105
384	2017/06/09	14:03:18	0.064 0.106
385	2017/06/09	14:04:18	0.064 0.108
386	2017/06/09	14:05:18	0.064 0.110
387	2017/06/09	14:06:18	0.065 0.111
388	2017/06/09	14:07:18	0.065 0.114
389	2017/06/09	14:08:18	0.065 0.116
390	2017/06/09	14:09:18	0.065 0.119
391	2017/06/09	14:10:18	0.066 0.122
392	2017/06/09	14:11:18	0.066 0.124
393	2017/06/09	14:12:18	0.066 0.127
394	2017/06/09	14:13:18	0.067 0.129
395	2017/06/09	14:14:18	0.067 0.132
396	2017/06/09	14:15:18	0.067 0.134
397	2017/06/09	14:16:18	0.068 0.137
398	2017/06/09	14:17:18	0.068 0.139
399	2017/06/09	14:18:18	0.068 0.140
400	2017/06/09	14:19:18	0.068 0.140
401	2017/06/09	14:20:18	0.069 0.141
402	2017/06/09	14:21:18	0.069 0.141
403	2017/06/09	14:22:18	0.069 0.140
404	2017/06/09	14:23:18	0.070 0.140
405	2017/06/09	14:24:18	0.070 0.139
406	2017/06/09	14:25:18	0.070 0.138
407	2017/06/09	14:26:18	0.070 0.137
408	2017/06/09	14:27:18	0.071 0.136
409	2017/06/09	14:28:18	0.071 0.134
410	2017/06/09	14:29:18	0.071 0.133
411	2017/06/09	14:30:18	0.071 0.131
412	2017/06/09	14:31:18	0.072 0.130
413	2017/06/09	14:32:18	0.072 0.129
414	2017/06/09	14:33:18	0.072 0.128
415	2017/06/09	14:34:18	0.072 0.127
416	2017/06/09	14:35:18	0.073 0.127
417	2017/06/09	14:36:18	0.073 0.126
418	2017/06/09	14:37:18	0.073 0.126
419	2017/06/09	14:38:18	0.073 0.125
420	2017/06/09	14:39:18	0.074 0.125
421	2017/06/09	14:40:18	0.074 0.125
422	2017/06/09	14:41:18	0.074 0.124
423	2017/06/09	14:42:18	0.074 0.123
424	2017/06/09	14:43:18	0.075 0.122
425	2017/06/09	14:44:18	0.075 0.121
426	2017/06/09	14:45:18	0.075 0.120
427	2017/06/09	14:46:18	0.075 0.119
428	2017/06/09	14:47:18	0.076 0.118
429	2017/06/09	14:48:18	0.076 0.116
430	2017/06/09	14:49:18	0.076 0.115
431	2017/06/09	14:50:18	0.076 0.113
432	2017/06/09	14:51:18	0.076 0.112
433	2017/06/09	14:52:18	0.077 0.111
434	2017/06/09	14:53:18	0.077 0.110
435	2017/06/09	14:54:18	0.077 0.109
436	2017/06/09	14:55:18	0.077 0.108
437	2017/06/09	14:56:18	0.078 0.107
438	2017/06/09	14:57:18	0.078 0.107
439	2017/06/09	14:58:18	0.078 0.107
440	2017/06/09	14:59:18	0.078 0.107
441	2017/06/09	15:00:18	0.078 0.106
442	2017/06/09	15:01:18	0.079 0.106
443	2017/06/09	15:02:18	0.079 0.106
444	2017/06/09	15:03:18	0.079 0.106
445	2017/06/09	15:04:18	0.079 0.106

446	2017/06/09	15:05:18	0.080	0.107
447	2017/06/09	15:06:18	0.080	0.106
448	2017/06/09	15:07:18	0.080	0.106
449	2017/06/09	15:08:18	0.080	0.105
450	2017/06/09	15:09:18	0.080	0.105
451	2017/06/09	15:10:18	0.081	0.104
452	2017/06/09	15:11:18	0.081	0.104
453	2017/06/09	15:12:18	0.081	0.103
454	2017/06/09	15:13:18	0.081	0.103
455	2017/06/09	15:14:18	0.081	0.102
456	2017/06/09	15:15:18	0.082	0.102
457	2017/06/09	15:16:18	0.082	0.102
458	2017/06/09	15:17:18	0.082	0.102
459	2017/06/09	15:18:18	0.082	0.102
460	2017/06/09	15:19:18	0.083	0.102
461	2017/06/09	15:20:18	0.083	0.102
462	2017/06/09	15:21:18	0.083	0.103
463	2017/06/09	15:22:18	0.083	0.103
464	2017/06/09	15:23:18	0.083	0.104
465	2017/06/09	15:24:18	0.084	0.105
466	2017/06/09	15:25:18	0.084	0.106
467	2017/06/09	15:26:18	0.084	0.107
468	2017/06/09	15:27:18	0.084	0.108
469	2017/06/09	15:28:18	0.085	0.109
470	2017/06/09	15:29:18	0.085	0.110
471	2017/06/09	15:30:18	0.085	0.111
472	2017/06/09	15:31:18	0.085	0.112
473	2017/06/09	15:32:18	0.086	0.113
474	2017/06/09	15:33:18	0.086	0.114
475	2017/06/09	15:34:18	0.086	0.114
476	2017/06/09	15:35:18	0.086	0.115
477	2017/06/09	15:36:18	0.087	0.115
478	2017/06/09	15:37:18	0.087	0.116
479	2017/06/09	15:38:18	0.087	0.116
480	2017/06/09	15:39:18	0.087	0.117
481	2017/06/09	15:40:18	0.088	0.117
482	2017/06/09	15:41:18	0.088	0.117
483	2017/06/09	15:42:18	0.088	0.117
484	2017/06/09	15:43:18	0.088	0.117
485	2017/06/09	15:44:18	0.089	0.117
486	2017/06/09	15:45:18	0.089	0.116
487	2017/06/09	15:46:18	0.089	0.116
488	2017/06/09	15:47:18	0.089	0.115
489	2017/06/09	15:48:18	0.089	0.115
490	2017/06/09	15:49:18	0.090	0.115
491	2017/06/09	15:50:18	0.090	0.115
492	2017/06/09	15:51:18	0.090	0.114
493	2017/06/09	15:52:18	0.090	0.114
494	2017/06/09	15:53:18	0.091	0.113
495	2017/06/09	15:54:18	0.091	0.112
496	2017/06/09	15:55:18	0.091	0.111
497	2017/06/09	15:56:18	0.091	0.111
498	2017/06/09	15:57:18	0.091	0.110
499	2017/06/09	15:58:18	0.092	0.109
500	2017/06/09	15:59:18	0.092	0.108
501	2017/06/09	16:00:18	0.092	0.107
502	2017/06/09	16:01:18	0.092	0.107
503	2017/06/09	16:02:18	0.093	0.106
504	2017/06/09	16:03:18	0.093	0.107
505	2017/06/09	16:04:18	0.093	0.107
506	2017/06/09	16:05:18	0.093	0.107
507	2017/06/09	16:06:18	0.094	0.108
508	2017/06/09	16:07:18	0.094	0.108

509	2017/06/09 16:08:18	0.094	0.109
510	2017/06/09 16:09:18	0.094	0.110
511	2017/06/09 16:10:18	0.094	0.110
512	2017/06/09 16:11:18	0.095	0.110
513	2017/06/09 16:12:18	0.095	0.110
514	2017/06/09 16:13:18	0.095	0.110
515	2017/06/09 16:14:18	0.095	0.110

17/06/12 09:31

Summary

Unit Name	MiniRAE 3000
Unit SN	592-909023
Unit Firmware Ver	V1.10C
Running Mode	Hygiene Mode
Measure Type	Avg; Max; Real
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2017/06/12 09:31:54
End	2017/06/12 14:37:24
Sample Period(s)	60
Number of Records	305
Sensor	VOC(ppm)
Span	100.000
Span H	N/A
Low Alarm	5.000
High Alarm	100.000
Over Alarm	15000.000
STEL Alarm	25.000
TWA Alarm	10.000
Measurement Gas	Isobutylene
Calibration Time	2017/06/09 07:38
Peak	0.271
Min	0.124
Average	0.206

Datalog

Index	Date/Time	VOC(ppm)(Avg)	VOC(ppm)(Max)	VOC(ppm)(Real)
001	2017/06/12 09:32:54	0.177	0.228	0.153
002	2017/06/12 09:33:54	0.142	0.152	0.138
003	2017/06/12 09:34:54	0.136	0.144	0.141
004	2017/06/12 09:35:54	0.146	0.156	0.146
005	2017/06/12 09:36:54	0.146	0.149	0.148
006	2017/06/12 09:37:54	0.145	0.149	0.145
007	2017/06/12 09:38:54	0.148	0.154	0.151
008	2017/06/12 09:39:54	0.150	0.157	0.147
009	2017/06/12 09:40:54	0.155	0.160	0.157
010	2017/06/12 09:41:54	0.157	0.161	0.147
011	2017/06/12 09:42:54	0.153	0.161	0.157
012	2017/06/12 09:43:54	0.158	0.164	0.161
013	2017/06/12 09:44:54	0.160	0.167	0.166
014	2017/06/12 09:45:54	0.165	0.169	0.168
015	2017/06/12 09:46:54	0.166	0.173	0.170
016	2017/06/12 09:47:54	0.171	0.176	0.174
017	2017/06/12 09:48:54	0.175	0.178	0.175
018	2017/06/12 09:49:54	0.177	0.185	0.182
019	2017/06/12 09:50:54	0.181	0.185	0.182
020	2017/06/12 09:51:54	0.184	0.187	0.185
021	2017/06/12 09:52:54	0.187	0.195	0.188
022	2017/06/12 09:53:54	0.191	0.195	0.186

023	2017/06/12	09:54:54	0.192	0.199	0.196
024	2017/06/12	09:55:54	0.197	0.201	0.201
025	2017/06/12	09:56:54	0.201	0.205	0.204
026	2017/06/12	09:57:54	0.204	0.209	0.207
027	2017/06/12	09:58:54	0.205	0.208	0.205
028	2017/06/12	09:59:54	0.208	0.213	0.212
029	2017/06/12	10:00:54	0.212	0.215	0.214
030	2017/06/12	10:01:54	0.213	0.219	0.210
031	2017/06/12	10:02:54	0.217	0.220	0.220
032	2017/06/12	10:03:54	0.221	0.228	0.228
033	2017/06/12	10:04:54	0.226	0.230	0.221
034	2017/06/12	10:05:54	0.227	0.230	0.229
035	2017/06/12	10:06:54	0.226	0.232	0.231
036	2017/06/12	10:07:54	0.229	0.233	0.232
037	2017/06/12	10:08:54	0.233	0.237	0.235
038	2017/06/12	10:09:54	0.240	0.245	0.244
039	2017/06/12	10:10:54	0.244	0.247	0.244
040	2017/06/12	10:11:54	0.245	0.249	0.249
041	2017/06/12	10:12:54	0.245	0.250	0.247
042	2017/06/12	10:13:54	0.246	0.251	0.249
043	2017/06/12	10:14:54	0.244	0.251	0.247
044	2017/06/12	10:15:54	0.249	0.253	0.253
045	2017/06/12	10:16:54	0.253	0.257	0.252
046	2017/06/12	10:17:54	0.254	0.257	0.253
047	2017/06/12	10:18:54	0.255	0.258	0.254
048	2017/06/12	10:19:54	0.254	0.258	0.253
049	2017/06/12	10:20:54	0.256	0.259	0.257
050	2017/06/12	10:21:54	0.258	0.260	0.256
051	2017/06/12	10:22:54	0.256	0.258	0.257
052	2017/06/12	10:23:54	0.255	0.259	0.255
053	2017/06/12	10:24:54	0.255	0.258	0.257
054	2017/06/12	10:25:54	0.255	0.257	0.256
055	2017/06/12	10:26:54	0.254	0.257	0.256
056	2017/06/12	10:27:54	0.255	0.258	0.256
057	2017/06/12	10:28:54	0.257	0.260	0.258
058	2017/06/12	10:29:54	0.258	0.262	0.259
059	2017/06/12	10:30:54	0.253	0.259	0.254
060	2017/06/12	10:31:54	0.255	0.256	0.256
061	2017/06/12	10:32:54	0.253	0.257	0.251
062	2017/06/12	10:33:54	0.250	0.254	0.254
063	2017/06/12	10:34:54	0.252	0.255	0.255
064	2017/06/12	10:35:54	0.256	0.259	0.256
065	2017/06/12	10:36:54	0.253	0.259	0.253
066	2017/06/12	10:37:54	0.254	0.259	0.259
067	2017/06/12	10:38:54	0.258	0.260	0.259
068	2017/06/12	10:39:54	0.257	0.261	0.256
069	2017/06/12	10:40:54	0.253	0.261	0.258
070	2017/06/12	10:41:54	0.255	0.260	0.251
071	2017/06/12	10:42:54	0.249	0.253	0.253
072	2017/06/12	10:43:54	0.251	0.256	0.255
073	2017/06/12	10:44:54	0.258	0.263	0.262
074	2017/06/12	10:45:54	0.264	0.267	0.267
075	2017/06/12	10:46:54	0.268	0.270	0.269
076	2017/06/12	10:47:54	0.261	0.269	0.263
077	2017/06/12	10:48:54	0.263	0.267	0.261
078	2017/06/12	10:49:54	0.262	0.266	0.259
079	2017/06/12	10:50:54	0.263	0.265	0.265
080	2017/06/12	10:51:54	0.264	0.267	0.263
081	2017/06/12	10:52:54	0.264	0.268	0.267
082	2017/06/12	10:53:54	0.269	0.272	0.271
083	2017/06/12	10:54:54	0.269	0.271	0.270
084	2017/06/12	10:55:54	0.268	0.271	0.266
085	2017/06/12	10:56:54	0.263	0.268	0.262

086	2017/06/12	10:57:54	0.263	0.265	0.264
087	2017/06/12	10:58:54	0.263	0.265	0.264
088	2017/06/12	10:59:54	0.259	0.264	0.259
089	2017/06/12	11:00:54	0.253	0.259	0.256
090	2017/06/12	11:01:54	0.254	0.256	0.253
091	2017/06/12	11:02:54	0.253	0.256	0.255
092	2017/06/12	11:03:54	0.256	0.258	0.256
093	2017/06/12	11:04:54	0.256	0.258	0.256
094	2017/06/12	11:05:54	0.256	0.258	0.257
095	2017/06/12	11:06:54	0.257	0.260	0.255
096	2017/06/12	11:07:54	0.251	0.256	0.248
097	2017/06/12	11:08:54	0.249	0.253	0.252
098	2017/06/12	11:09:54	0.252	0.254	0.252
099	2017/06/12	11:10:54	0.250	0.255	0.254
100	2017/06/12	11:11:54	0.252	0.254	0.252
101	2017/06/12	11:12:54	0.251	0.253	0.251
102	2017/06/12	11:13:54	0.247	0.251	0.249
103	2017/06/12	11:14:54	0.248	0.250	0.250
104	2017/06/12	11:15:54	0.244	0.250	0.244
105	2017/06/12	11:16:54	0.244	0.247	0.244
106	2017/06/12	11:17:54	0.243	0.246	0.246
107	2017/06/12	11:18:54	0.246	0.248	0.247
108	2017/06/12	11:19:54	0.244	0.248	0.240
109	2017/06/12	11:20:54	0.242	0.244	0.242
110	2017/06/12	11:21:54	0.250	0.273	0.248
111	2017/06/12	11:22:54	0.247	0.250	0.247
112	2017/06/12	11:23:54	0.246	0.248	0.246
113	2017/06/12	11:24:54	0.243	0.246	0.241
114	2017/06/12	11:25:54	0.242	0.244	0.240
115	2017/06/12	11:26:54	0.241	0.243	0.241
116	2017/06/12	11:27:54	0.241	0.242	0.241
117	2017/06/12	11:28:54	0.239	0.241	0.238
118	2017/06/12	11:29:54	0.236	0.239	0.233
119	2017/06/12	11:30:54	0.233	0.236	0.236
120	2017/06/12	11:31:54	0.235	0.238	0.237
121	2017/06/12	11:32:54	0.232	0.236	0.233
122	2017/06/12	11:33:54	0.230	0.234	0.229
123	2017/06/12	11:34:54	0.229	0.231	0.230
124	2017/06/12	11:35:54	0.229	0.231	0.229
125	2017/06/12	11:36:54	0.229	0.231	0.231
126	2017/06/12	11:37:54	0.228	0.232	0.228
127	2017/06/12	11:38:54	0.230	0.232	0.231
128	2017/06/12	11:39:54	0.228	0.231	0.223
129	2017/06/12	11:40:54	0.231	0.250	0.235
130	2017/06/12	11:41:54	0.231	0.243	0.227
131	2017/06/12	11:42:54	0.227	0.242	0.229
132	2017/06/12	11:43:54	0.227	0.231	0.225
133	2017/06/12	11:44:54	0.225	0.228	0.226
134	2017/06/12	11:45:54	0.224	0.226	0.218
135	2017/06/12	11:46:54	0.222	0.226	0.223
136	2017/06/12	11:47:54	0.222	0.225	0.223
137	2017/06/12	11:48:54	0.222	0.225	0.224
138	2017/06/12	11:49:54	0.224	0.226	0.226
139	2017/06/12	11:50:54	0.224	0.226	0.219
140	2017/06/12	11:51:54	0.223	0.226	0.225
141	2017/06/12	11:52:54	0.226	0.228	0.228
142	2017/06/12	11:53:54	0.229	0.232	0.231
143	2017/06/12	11:54:54	0.231	0.232	0.232
144	2017/06/12	11:55:54	0.229	0.232	0.226
145	2017/06/12	11:56:54	0.232	0.234	0.233
146	2017/06/12	11:57:54	0.234	0.238	0.236
147	2017/06/12	11:58:54	0.234	0.237	0.218
148	2017/06/12	11:59:54	0.224	0.232	0.224

149	2017/06/12	12:00:54	0.225	0.233	0.233
150	2017/06/12	12:01:54	0.235	0.237	0.236
151	2017/06/12	12:02:54	0.230	0.238	0.235
152	2017/06/12	12:03:54	0.233	0.236	0.236
153	2017/06/12	12:04:54	0.232	0.237	0.236
154	2017/06/12	12:05:54	0.232	0.239	0.231
155	2017/06/12	12:06:54	0.235	0.242	0.242
156	2017/06/12	12:07:54	0.241	0.243	0.241
157	2017/06/12	12:08:54	0.242	0.250	0.248
158	2017/06/12	12:09:54	0.246	0.248	0.240
159	2017/06/12	12:10:54	0.222	0.234	0.218
160	2017/06/12	12:11:54	0.229	0.234	0.231
161	2017/06/12	12:12:54	0.233	0.237	0.235
162	2017/06/12	12:13:54	0.230	0.235	0.226
163	2017/06/12	12:14:54	0.220	0.229	0.222
164	2017/06/12	12:15:54	0.221	0.227	0.222
165	2017/06/12	12:16:54	0.220	0.225	0.219
166	2017/06/12	12:17:54	0.222	0.228	0.227
167	2017/06/12	12:18:54	0.227	0.230	0.223
168	2017/06/12	12:19:54	0.224	0.226	0.225
169	2017/06/12	12:20:54	0.221	0.224	0.221
170	2017/06/12	12:21:54	0.218	0.221	0.218
171	2017/06/12	12:22:54	0.221	0.223	0.222
172	2017/06/12	12:23:54	0.219	0.224	0.222
173	2017/06/12	12:24:54	0.216	0.223	0.212
174	2017/06/12	12:25:54	0.216	0.223	0.223
175	2017/06/12	12:26:54	0.224	0.227	0.225
176	2017/06/12	12:27:54	0.225	0.228	0.225
177	2017/06/12	12:28:54	0.225	0.235	0.222
178	2017/06/12	12:29:54	0.231	0.237	0.229
179	2017/06/12	12:30:54	0.229	0.231	0.228
180	2017/06/12	12:31:54	0.229	0.231	0.231
181	2017/06/12	12:32:54	0.231	0.235	0.235
182	2017/06/12	12:33:54	0.233	0.238	0.237
183	2017/06/12	12:34:54	0.237	0.239	0.237
184	2017/06/12	12:35:54	0.232	0.237	0.230
185	2017/06/12	12:36:54	0.230	0.235	0.234
186	2017/06/12	12:37:54	0.229	0.235	0.233
187	2017/06/12	12:38:54	0.236	0.240	0.234
188	2017/06/12	12:39:54	0.231	0.236	0.229
189	2017/06/12	12:40:54	0.225	0.229	0.216
190	2017/06/12	12:41:54	0.223	0.228	0.222
191	2017/06/12	12:42:54	0.216	0.222	0.219
192	2017/06/12	12:43:54	0.219	0.222	0.219
193	2017/06/12	12:44:54	0.212	0.219	0.205
194	2017/06/12	12:45:54	0.207	0.212	0.210
195	2017/06/12	12:46:54	0.204	0.210	0.201
196	2017/06/12	12:47:54	0.195	0.200	0.190
197	2017/06/12	12:48:54	0.195	0.198	0.195
198	2017/06/12	12:49:54	0.189	0.195	0.189
199	2017/06/12	12:50:54	0.186	0.194	0.185
200	2017/06/12	12:51:54	0.182	0.186	0.186
201	2017/06/12	12:52:54	0.185	0.188	0.187
202	2017/06/12	12:53:54	0.184	0.189	0.186
203	2017/06/12	12:54:54	0.183	0.186	0.186
204	2017/06/12	12:55:54	0.180	0.186	0.173
205	2017/06/12	12:56:54	0.176	0.181	0.178
206	2017/06/12	12:57:54	0.180	0.183	0.179
207	2017/06/12	12:58:54	0.178	0.181	0.172
208	2017/06/12	12:59:54	0.179	0.182	0.181
209	2017/06/12	13:00:54	0.175	0.183	0.166
210	2017/06/12	13:01:54	0.170	0.176	0.173
211	2017/06/12	13:02:54	0.170	0.175	0.170

212	2017/06/12	13:03:54	0.173	0.177	0.174
213	2017/06/12	13:04:54	0.178	0.181	0.181
214	2017/06/12	13:05:54	0.179	0.182	0.178
215	2017/06/12	13:06:54	0.176	0.179	0.177
216	2017/06/12	13:07:54	0.177	0.179	0.178
217	2017/06/12	13:08:54	0.170	0.178	0.168
218	2017/06/12	13:09:54	0.169	0.172	0.172
219	2017/06/12	13:10:54	0.174	0.177	0.177
220	2017/06/12	13:11:54	0.172	0.178	0.169
221	2017/06/12	13:12:54	0.171	0.176	0.172
222	2017/06/12	13:13:54	0.172	0.178	0.178
223	2017/06/12	13:14:54	0.174	0.178	0.173
224	2017/06/12	13:15:54	0.176	0.181	0.181
225	2017/06/12	13:16:54	0.177	0.181	0.176
226	2017/06/12	13:17:54	0.175	0.178	0.176
227	2017/06/12	13:18:54	0.176	0.180	0.173
228	2017/06/12	13:19:54	0.172	0.180	0.169
229	2017/06/12	13:20:54	0.178	0.185	0.178
230	2017/06/12	13:21:54	0.177	0.184	0.175
231	2017/06/12	13:22:54	0.169	0.177	0.172
232	2017/06/12	13:23:54	0.169	0.176	0.170
233	2017/06/12	13:24:54	0.167	0.172	0.167
234	2017/06/12	13:25:54	0.162	0.168	0.160
235	2017/06/12	13:26:54	0.160	0.164	0.163
236	2017/06/12	13:27:54	0.158	0.163	0.159
237	2017/06/12	13:28:54	0.154	0.159	0.156
238	2017/06/12	13:29:54	0.150	0.156	0.147
239	2017/06/12	13:30:54	0.151	0.155	0.152
240	2017/06/12	13:31:54	0.153	0.157	0.147
241	2017/06/12	13:32:54	0.149	0.153	0.152
242	2017/06/12	13:33:54	0.149	0.154	0.151
243	2017/06/12	13:34:54	0.146	0.152	0.143
244	2017/06/12	13:35:54	0.148	0.155	0.155
245	2017/06/12	13:36:54	0.152	0.158	0.158
246	2017/06/12	13:37:54	0.156	0.159	0.159
247	2017/06/12	13:38:54	0.155	0.159	0.155
248	2017/06/12	13:39:54	0.151	0.157	0.145
249	2017/06/12	13:40:54	0.148	0.152	0.143
250	2017/06/12	13:41:54	0.152	0.157	0.156
251	2017/06/12	13:42:54	0.150	0.156	0.147
252	2017/06/12	13:43:54	0.151	0.157	0.155
253	2017/06/12	13:44:54	0.155	0.158	0.158
254	2017/06/12	13:45:54	0.156	0.159	0.157
255	2017/06/12	13:46:54	0.157	0.160	0.153
256	2017/06/12	13:47:54	0.149	0.155	0.151
257	2017/06/12	13:48:54	0.154	0.158	0.153
258	2017/06/12	13:49:54	0.152	0.157	0.157
259	2017/06/12	13:50:54	0.155	0.160	0.159
260	2017/06/12	13:51:54	0.159	0.163	0.160
261	2017/06/12	13:52:54	0.157	0.161	0.153
262	2017/06/12	13:53:54	0.157	0.164	0.164
263	2017/06/12	13:54:54	0.164	0.168	0.167
264	2017/06/12	13:55:54	0.166	0.170	0.168
265	2017/06/12	13:56:54	0.164	0.169	0.166
266	2017/06/12	13:57:54	0.169	0.172	0.170
267	2017/06/12	13:58:54	0.163	0.170	0.167
268	2017/06/12	13:59:54	0.163	0.169	0.168
269	2017/06/12	14:00:54	0.168	0.178	0.175
270	2017/06/12	14:01:54	0.172	0.175	0.174
271	2017/06/12	14:02:54	0.169	0.173	0.165
272	2017/06/12	14:03:54	0.168	0.172	0.170
273	2017/06/12	14:04:54	0.165	0.169	0.167
274	2017/06/12	14:05:54	0.165	0.168	0.161

275	2017/06/12 14:06:54	0.164	0.166	0.164
276	2017/06/12 14:07:54	0.163	0.166	0.160
277	2017/06/12 14:08:54	0.164	0.169	0.169
278	2017/06/12 14:09:54	0.170	0.174	0.170
279	2017/06/12 14:10:54	0.166	0.170	0.158
280	2017/06/12 14:11:54	0.164	0.170	0.169
281	2017/06/12 14:12:54	0.168	0.171	0.169
282	2017/06/12 14:13:54	0.168	0.170	0.166
283	2017/06/12 14:14:54	0.165	0.167	0.164
284	2017/06/12 14:15:54	0.162	0.164	0.162
285	2017/06/12 14:16:54	0.158	0.162	0.151
286	2017/06/12 14:17:54	0.155	0.159	0.159
287	2017/06/12 14:18:54	0.156	0.159	0.153
288	2017/06/12 14:19:54	0.153	0.155	0.150
289	2017/06/12 14:20:54	0.148	0.153	0.147
290	2017/06/12 14:21:54	0.153	0.169	0.157
291	2017/06/12 14:22:54	0.156	0.172	0.155
292	2017/06/12 14:23:54	0.152	0.156	0.147
293	2017/06/12 14:24:54	0.147	0.152	0.152
294	2017/06/12 14:25:54	0.150	0.152	0.147
295	2017/06/12 14:26:54	0.144	0.149	0.143
296	2017/06/12 14:27:54	0.140	0.146	0.140
297	2017/06/12 14:28:54	0.137	0.142	0.135
298	2017/06/12 14:29:54	0.133	0.138	0.130
299	2017/06/12 14:30:54	0.131	0.137	0.126
300	2017/06/12 14:31:54	0.128	0.133	0.130
301	2017/06/12 14:32:54	0.126	0.132	0.132
302	2017/06/12 14:33:54	0.130	0.135	0.124
303	2017/06/12 14:34:54	0.128	0.135	0.135
304	2017/06/12 14:35:54	0.131	0.135	0.133
305	2017/06/12 14:36:54	0.130	0.133	0.129
Peak		0.269	0.273	0.271
Min		0.126	0.132	0.124
Average		0.205	0.210	0.206

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TWA/STEL

Index	Date/Time	VOC(ppm)(TWA)	VOC(ppm)(STEL)
001	2017/06/12 09:32:54	0.000	---
002	2017/06/12 09:33:54	0.001	---
003	2017/06/12 09:34:54	0.001	---
004	2017/06/12 09:35:54	0.001	---
005	2017/06/12 09:36:54	0.002	---
006	2017/06/12 09:37:54	0.002	---
007	2017/06/12 09:38:54	0.002	---
008	2017/06/12 09:39:54	0.002	---
009	2017/06/12 09:40:54	0.003	---
010	2017/06/12 09:41:54	0.003	---
011	2017/06/12 09:42:54	0.003	---
012	2017/06/12 09:43:54	0.004	---
013	2017/06/12 09:44:54	0.004	---
014	2017/06/12 09:45:54	0.004	---
015	2017/06/12 09:46:54	0.005	0.153
016	2017/06/12 09:47:54	0.005	0.154
017	2017/06/12 09:48:54	0.006	0.157
018	2017/06/12 09:49:54	0.006	0.160
019	2017/06/12 09:50:54	0.006	0.162
020	2017/06/12 09:51:54	0.007	0.164
021	2017/06/12 09:52:54	0.007	0.167
022	2017/06/12 09:53:54	0.007	0.170
023	2017/06/12 09:54:54	0.008	0.173
024	2017/06/12 09:55:54	0.008	0.176
025	2017/06/12 09:56:54	0.009	0.180

026	2017/06/12	09:57:54	0.009	0.183
027	2017/06/12	09:58:54	0.010	0.186
028	2017/06/12	09:59:54	0.010	0.189
029	2017/06/12	10:00:54	0.010	0.192
030	2017/06/12	10:01:54	0.011	0.195
031	2017/06/12	10:02:54	0.011	0.198
032	2017/06/12	10:03:54	0.012	0.201
033	2017/06/12	10:04:54	0.012	0.204
034	2017/06/12	10:05:54	0.013	0.207
035	2017/06/12	10:06:54	0.013	0.210
036	2017/06/12	10:07:54	0.014	0.213
037	2017/06/12	10:08:54	0.014	0.216
038	2017/06/12	10:09:54	0.015	0.220
039	2017/06/12	10:10:54	0.015	0.222
040	2017/06/12	10:11:54	0.016	0.225
041	2017/06/12	10:12:54	0.016	0.228
042	2017/06/12	10:13:54	0.017	0.231
043	2017/06/12	10:14:54	0.017	0.233
044	2017/06/12	10:15:54	0.018	0.236
045	2017/06/12	10:16:54	0.018	0.239
046	2017/06/12	10:17:54	0.019	0.241
047	2017/06/12	10:18:54	0.019	0.243
048	2017/06/12	10:19:54	0.020	0.245
049	2017/06/12	10:20:54	0.020	0.247
050	2017/06/12	10:21:54	0.021	0.248
051	2017/06/12	10:22:54	0.022	0.250
052	2017/06/12	10:23:54	0.022	0.251
053	2017/06/12	10:24:54	0.023	0.252
054	2017/06/12	10:25:54	0.023	0.253
055	2017/06/12	10:26:54	0.024	0.253
056	2017/06/12	10:27:54	0.024	0.254
057	2017/06/12	10:28:54	0.025	0.255
058	2017/06/12	10:29:54	0.025	0.255
059	2017/06/12	10:30:54	0.026	0.256
060	2017/06/12	10:31:54	0.026	0.256
061	2017/06/12	10:32:54	0.027	0.256
062	2017/06/12	10:33:54	0.027	0.256
063	2017/06/12	10:34:54	0.028	0.256
064	2017/06/12	10:35:54	0.028	0.256
065	2017/06/12	10:36:54	0.029	0.256
066	2017/06/12	10:37:54	0.030	0.256
067	2017/06/12	10:38:54	0.030	0.256
068	2017/06/12	10:39:54	0.031	0.256
069	2017/06/12	10:40:54	0.031	0.256
070	2017/06/12	10:41:54	0.032	0.256
071	2017/06/12	10:42:54	0.032	0.255
072	2017/06/12	10:43:54	0.033	0.255
073	2017/06/12	10:44:54	0.033	0.255
074	2017/06/12	10:45:54	0.034	0.256
075	2017/06/12	10:46:54	0.034	0.257
076	2017/06/12	10:47:54	0.035	0.258
077	2017/06/12	10:48:54	0.035	0.258
078	2017/06/12	10:49:54	0.036	0.259
079	2017/06/12	10:50:54	0.037	0.259
080	2017/06/12	10:51:54	0.037	0.260
081	2017/06/12	10:52:54	0.038	0.261
082	2017/06/12	10:53:54	0.038	0.261
083	2017/06/12	10:54:54	0.039	0.262
084	2017/06/12	10:55:54	0.039	0.263
085	2017/06/12	10:56:54	0.040	0.264
086	2017/06/12	10:57:54	0.040	0.264
087	2017/06/12	10:58:54	0.041	0.265
088	2017/06/12	10:59:54	0.042	0.265

089	2017/06/12 11:00:54	0.042	0.264
090	2017/06/12 11:01:54	0.043	0.263
091	2017/06/12 11:02:54	0.043	0.262
092	2017/06/12 11:03:54	0.044	0.262
093	2017/06/12 11:04:54	0.044	0.262
094	2017/06/12 11:05:54	0.045	0.261
095	2017/06/12 11:06:54	0.045	0.261
096	2017/06/12 11:07:54	0.046	0.259
097	2017/06/12 11:08:54	0.046	0.258
098	2017/06/12 11:09:54	0.047	0.257
099	2017/06/12 11:10:54	0.047	0.256
100	2017/06/12 11:11:54	0.048	0.256
101	2017/06/12 11:12:54	0.048	0.255
102	2017/06/12 11:13:54	0.049	0.254
103	2017/06/12 11:14:54	0.049	0.253
104	2017/06/12 11:15:54	0.050	0.252
105	2017/06/12 11:16:54	0.050	0.252
106	2017/06/12 11:17:54	0.051	0.251
107	2017/06/12 11:18:54	0.051	0.250
108	2017/06/12 11:19:54	0.052	0.249
109	2017/06/12 11:20:54	0.052	0.248
110	2017/06/12 11:21:54	0.053	0.248
111	2017/06/12 11:22:54	0.053	0.248
112	2017/06/12 11:23:54	0.054	0.247
113	2017/06/12 11:24:54	0.055	0.247
114	2017/06/12 11:25:54	0.055	0.246
115	2017/06/12 11:26:54	0.056	0.245
116	2017/06/12 11:27:54	0.056	0.244
117	2017/06/12 11:28:54	0.057	0.244
118	2017/06/12 11:29:54	0.057	0.243
119	2017/06/12 11:30:54	0.057	0.242
120	2017/06/12 11:31:54	0.058	0.242
121	2017/06/12 11:32:54	0.058	0.241
122	2017/06/12 11:33:54	0.059	0.239
123	2017/06/12 11:34:54	0.059	0.239
124	2017/06/12 11:35:54	0.060	0.238
125	2017/06/12 11:36:54	0.060	0.237
126	2017/06/12 11:37:54	0.061	0.236
127	2017/06/12 11:38:54	0.061	0.235
128	2017/06/12 11:39:54	0.062	0.233
129	2017/06/12 11:40:54	0.062	0.233
130	2017/06/12 11:41:54	0.063	0.232
131	2017/06/12 11:42:54	0.063	0.231
132	2017/06/12 11:43:54	0.064	0.230
133	2017/06/12 11:44:54	0.064	0.230
134	2017/06/12 11:45:54	0.065	0.229
135	2017/06/12 11:46:54	0.065	0.228
136	2017/06/12 11:47:54	0.066	0.227
137	2017/06/12 11:48:54	0.066	0.227
138	2017/06/12 11:49:54	0.067	0.227
139	2017/06/12 11:50:54	0.067	0.226
140	2017/06/12 11:51:54	0.067	0.225
141	2017/06/12 11:52:54	0.068	0.225
142	2017/06/12 11:53:54	0.068	0.225
143	2017/06/12 11:54:54	0.069	0.226
144	2017/06/12 11:55:54	0.069	0.225
145	2017/06/12 11:56:54	0.070	0.226
146	2017/06/12 11:57:54	0.070	0.226
147	2017/06/12 11:58:54	0.071	0.226
148	2017/06/12 11:59:54	0.071	0.226
149	2017/06/12 12:00:54	0.072	0.227
150	2017/06/12 12:01:54	0.072	0.228
151	2017/06/12 12:02:54	0.073	0.228

152	2017/06/12 12:03:54	0.073	0.229
153	2017/06/12 12:04:54	0.074	0.230
154	2017/06/12 12:05:54	0.074	0.231
155	2017/06/12 12:06:54	0.075	0.232
156	2017/06/12 12:07:54	0.075	0.233
157	2017/06/12 12:08:54	0.076	0.234
158	2017/06/12 12:09:54	0.076	0.234
159	2017/06/12 12:10:54	0.077	0.234
160	2017/06/12 12:11:54	0.077	0.234
161	2017/06/12 12:12:54	0.078	0.234
162	2017/06/12 12:13:54	0.078	0.234
163	2017/06/12 12:14:54	0.079	0.234
164	2017/06/12 12:15:54	0.079	0.233
165	2017/06/12 12:16:54	0.079	0.232
166	2017/06/12 12:17:54	0.080	0.232
167	2017/06/12 12:18:54	0.080	0.231
168	2017/06/12 12:19:54	0.081	0.230
169	2017/06/12 12:20:54	0.081	0.229
170	2017/06/12 12:21:54	0.082	0.228
171	2017/06/12 12:22:54	0.082	0.226
172	2017/06/12 12:23:54	0.083	0.225
173	2017/06/12 12:24:54	0.083	0.223
174	2017/06/12 12:25:54	0.084	0.223
175	2017/06/12 12:26:54	0.084	0.223
176	2017/06/12 12:27:54	0.085	0.222
177	2017/06/12 12:28:54	0.085	0.222
178	2017/06/12 12:29:54	0.086	0.222
179	2017/06/12 12:30:54	0.086	0.223
180	2017/06/12 12:31:54	0.086	0.224
181	2017/06/12 12:32:54	0.087	0.224
182	2017/06/12 12:33:54	0.087	0.225
183	2017/06/12 12:34:54	0.088	0.226
184	2017/06/12 12:35:54	0.088	0.226
185	2017/06/12 12:36:54	0.089	0.227
186	2017/06/12 12:37:54	0.089	0.228
187	2017/06/12 12:38:54	0.090	0.229
188	2017/06/12 12:39:54	0.090	0.230
189	2017/06/12 12:40:54	0.091	0.230
190	2017/06/12 12:41:54	0.091	0.229
191	2017/06/12 12:42:54	0.092	0.229
192	2017/06/12 12:43:54	0.092	0.229
193	2017/06/12 12:44:54	0.093	0.227
194	2017/06/12 12:45:54	0.093	0.226
195	2017/06/12 12:46:54	0.093	0.224
196	2017/06/12 12:47:54	0.094	0.221
197	2017/06/12 12:48:54	0.094	0.218
198	2017/06/12 12:49:54	0.095	0.215
199	2017/06/12 12:50:54	0.095	0.212
200	2017/06/12 12:51:54	0.095	0.209
201	2017/06/12 12:52:54	0.096	0.206
202	2017/06/12 12:53:54	0.096	0.203
203	2017/06/12 12:54:54	0.097	0.200
204	2017/06/12 12:55:54	0.097	0.197
205	2017/06/12 12:56:54	0.097	0.194
206	2017/06/12 12:57:54	0.098	0.191
207	2017/06/12 12:58:54	0.098	0.188
208	2017/06/12 12:59:54	0.098	0.187
209	2017/06/12 13:00:54	0.099	0.184
210	2017/06/12 13:01:54	0.099	0.182
211	2017/06/12 13:02:54	0.099	0.180
212	2017/06/12 13:03:54	0.100	0.179
213	2017/06/12 13:04:54	0.100	0.178
214	2017/06/12 13:05:54	0.101	0.178

215	2017/06/12 13:06:54	0.101	0.177
216	2017/06/12 13:07:54	0.101	0.177
217	2017/06/12 13:08:54	0.102	0.176
218	2017/06/12 13:09:54	0.102	0.175
219	2017/06/12 13:10:54	0.102	0.175
220	2017/06/12 13:11:54	0.103	0.174
221	2017/06/12 13:12:54	0.103	0.174
222	2017/06/12 13:13:54	0.104	0.174
223	2017/06/12 13:14:54	0.104	0.174
224	2017/06/12 13:15:54	0.104	0.175
225	2017/06/12 13:16:54	0.105	0.175
226	2017/06/12 13:17:54	0.105	0.175
227	2017/06/12 13:18:54	0.105	0.175
228	2017/06/12 13:19:54	0.106	0.174
229	2017/06/12 13:20:54	0.106	0.174
230	2017/06/12 13:21:54	0.106	0.174
231	2017/06/12 13:22:54	0.107	0.174
232	2017/06/12 13:23:54	0.107	0.174
233	2017/06/12 13:24:54	0.107	0.174
234	2017/06/12 13:25:54	0.108	0.173
235	2017/06/12 13:26:54	0.108	0.172
236	2017/06/12 13:27:54	0.108	0.171
237	2017/06/12 13:28:54	0.109	0.170
238	2017/06/12 13:29:54	0.109	0.168
239	2017/06/12 13:30:54	0.109	0.166
240	2017/06/12 13:31:54	0.110	0.164
241	2017/06/12 13:32:54	0.110	0.163
242	2017/06/12 13:33:54	0.110	0.161
243	2017/06/12 13:34:54	0.111	0.159
244	2017/06/12 13:35:54	0.111	0.158
245	2017/06/12 13:36:54	0.111	0.157
246	2017/06/12 13:37:54	0.112	0.156
247	2017/06/12 13:38:54	0.112	0.155
248	2017/06/12 13:39:54	0.112	0.153
249	2017/06/12 13:40:54	0.113	0.152
250	2017/06/12 13:41:54	0.113	0.152
251	2017/06/12 13:42:54	0.113	0.151
252	2017/06/12 13:43:54	0.114	0.151
253	2017/06/12 13:44:54	0.114	0.152
254	2017/06/12 13:45:54	0.114	0.152
255	2017/06/12 13:46:54	0.115	0.152
256	2017/06/12 13:47:54	0.115	0.152
257	2017/06/12 13:48:54	0.115	0.153
258	2017/06/12 13:49:54	0.115	0.153
259	2017/06/12 13:50:54	0.116	0.154
260	2017/06/12 13:51:54	0.116	0.154
261	2017/06/12 13:52:54	0.116	0.153
262	2017/06/12 13:53:54	0.117	0.154
263	2017/06/12 13:54:54	0.117	0.156
264	2017/06/12 13:55:54	0.117	0.157
265	2017/06/12 13:56:54	0.118	0.158
266	2017/06/12 13:57:54	0.118	0.159
267	2017/06/12 13:58:54	0.119	0.160
268	2017/06/12 13:59:54	0.119	0.161
269	2017/06/12 14:00:54	0.119	0.162
270	2017/06/12 14:01:54	0.120	0.163
271	2017/06/12 14:02:54	0.120	0.164
272	2017/06/12 14:03:54	0.120	0.166
273	2017/06/12 14:04:54	0.121	0.166
274	2017/06/12 14:05:54	0.121	0.166
275	2017/06/12 14:06:54	0.121	0.167
276	2017/06/12 14:07:54	0.122	0.167
277	2017/06/12 14:08:54	0.122	0.167

278	2017/06/12	14:09:54	0.122	0.168
279	2017/06/12	14:10:54	0.123	0.167
280	2017/06/12	14:11:54	0.123	0.167
281	2017/06/12	14:12:54	0.123	0.167
282	2017/06/12	14:13:54	0.124	0.167
283	2017/06/12	14:14:54	0.124	0.167
284	2017/06/12	14:15:54	0.124	0.166
285	2017/06/12	14:16:54	0.125	0.164
286	2017/06/12	14:17:54	0.125	0.164
287	2017/06/12	14:18:54	0.125	0.163
288	2017/06/12	14:19:54	0.126	0.162
289	2017/06/12	14:20:54	0.126	0.161
290	2017/06/12	14:21:54	0.126	0.160
291	2017/06/12	14:22:54	0.127	0.160
292	2017/06/12	14:23:54	0.127	0.158
293	2017/06/12	14:24:54	0.127	0.157
294	2017/06/12	14:25:54	0.128	0.157
295	2017/06/12	14:26:54	0.128	0.155
296	2017/06/12	14:27:54	0.128	0.153
297	2017/06/12	14:28:54	0.128	0.151
298	2017/06/12	14:29:54	0.129	0.149
299	2017/06/12	14:30:54	0.129	0.146
300	2017/06/12	14:31:54	0.129	0.145
301	2017/06/12	14:32:54	0.130	0.143
302	2017/06/12	14:33:54	0.130	0.141
303	2017/06/12	14:34:54	0.130	0.140
304	2017/06/12	14:35:54	0.130	0.139
305	2017/06/12	14:36:54	0.131	0.137

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530162208
Firmware Version	3.4
Calibration Date	5/24/2016
Test Name	DOWN112117_001
Test Start Time	8:07:11 AM
Test Start Date	11/21/2017
Test Length [D:H:M]	0:08:24
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.006
Mass TWA [mg/m3]	0.005
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	504

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.005		
120	0.004		
180	0.004		
240	0.004		
300	0.004		
360	0.004		
420	0.004		
480	0.004		
540	0.004		
600	0.004		
660	0.004		
720	0.004		
780	0.004		
840	0.004		
900	0.004		
960	0.004		
1020	0.004		
1080	0.004		
1140	0.004		
1200	0.004		
1260	0.004		
1320	0.004		
1380	0.004		
1440	0.004		
1500	0.004		
1560	0.004		
1620	0.004		

1680	0.004
1740	0.004
1800	0.004
1860	0.004
1920	0.004
1980	0.004
2040	0.004
2100	0.004
2160	0.004
2220	0.004
2280	0.004
2340	0.004
2400	0.004
2460	0.004
2520	0.004
2580	0.004
2640	0.004
2700	0.004
2760	0.004
2820	0.004
2880	0.004
2940	0.004
3000	0.004
3060	0.004
3120	0.004
3180	0.004
3240	0.004
3300	0.004
3360	0.004
3420	0.004
3480	0.004
3540	0.004
3600	0.004
3660	0.004
3720	0.004
3780	0.004
3840	0.005
3900	0.005
3960	0.004
4020	0.004
4080	0.004
4140	0.004
4200	0.004
4260	0.004
4320	0.004
4380	0.005
4440	0.004

4500	0.005
4560	0.004
4620	0.004
4680	0.004
4740	0.004
4800	0.004
4860	0.004
4920	0.004
4980	0.004
5040	0.004
5100	0.004
5160	0.005
5220	0.005
5280	0.004
5340	0.005
5400	0.005
5460	0.005
5520	0.005
5580	0.005
5640	0.005
5700	0.005
5760	0.004
5820	0.004
5880	0.004
5940	0.004
6000	0.004
6060	0.004
6120	0.005
6180	0.005
6240	0.005
6300	0.005
6360	0.005
6420	0.005
6480	0.005
6540	0.005
6600	0.005
6660	0.005
6720	0.005
6780	0.005
6840	0.005
6900	0.005
6960	0.005
7020	0.005
7080	0.005
7140	0.005
7200	0.005
7260	0.005

7320	0.005
7380	0.005
7440	0.005
7500	0.005
7560	0.005
7620	0.005
7680	0.005
7740	0.005
7800	0.005
7860	0.005
7920	0.005
7980	0.005
8040	0.005
8100	0.005
8160	0.005
8220	0.005
8280	0.005
8340	0.005
8400	0.005
8460	0.005
8520	0.005
8580	0.005
8640	0.005
8700	0.005
8760	0.005
8820	0.005
8880	0.005
8940	0.005
9000	0.005
9060	0.005
9120	0.005
9180	0.005
9240	0.005
9300	0.005
9360	0.005
9420	0.005
9480	0.005
9540	0.005
9600	0.005
9660	0.005
9720	0.005
9780	0.005
9840	0.005
9900	0.005
9960	0.005
10020	0.005
10080	0.005

10140	0.005
10200	0.005
10260	0.005
10320	0.005
10380	0.005
10440	0.005
10500	0.005
10560	0.005
10620	0.005
10680	0.005
10740	0.005
10800	0.005
10860	0.005
10920	0.005
10980	0.005
11040	0.005
11100	0.005
11160	0.006
11220	0.005
11280	0.005
11340	0.005
11400	0.005
11460	0.005
11520	0.005
11580	0.005
11640	0.005
11700	0.005
11760	0.005
11820	0.005
11880	0.005
11940	0.005
12000	0.005
12060	0.005
12120	0.005
12180	0.005
12240	0.006
12300	0.005
12360	0.005
12420	0.005
12480	0.005
12540	0.006
12600	0.006
12660	0.006
12720	0.006
12780	0.006
12840	0.005
12900	0.006

12960	0.006
13020	0.005
13080	0.005
13140	0.005
13200	0.005
13260	0.006
13320	0.005
13380	0.005
13440	0.005
13500	0.006
13560	0.005
13620	0.005
13680	0.005
13740	0.005
13800	0.006
13860	0.005
13920	0.005
13980	0.005
14040	0.005
14100	0.005
14160	0.005
14220	0.005
14280	0.006
14340	0.005
14400	0.005
14460	0.005
14520	0.005
14580	0.005
14640	0.005
14700	0.005
14760	0.005
14820	0.005
14880	0.005
14940	0.005
15000	0.005
15060	0.005
15120	0.005
15180	0.006
15240	0.006
15300	0.005
15360	0.005
15420	0.005
15480	0.005
15540	0.005
15600	0.005
15660	0.005
15720	0.005

15780	0.005
15840	0.005
15900	0.005
15960	0.005
16020	0.005
16080	0.005
16140	0.005
16200	0.005
16260	0.005
16320	0.005
16380	0.005
16440	0.005
16500	0.005
16560	0.005
16620	0.005
16680	0.005
16740	0.005
16800	0.005
16860	0.005
16920	0.005
16980	0.005
17040	0.005
17100	0.005
17160	0.005
17220	0.005
17280	0.005
17340	0.005
17400	0.005
17460	0.005
17520	0.005
17580	0.005
17640	0.005
17700	0.005
17760	0.005
17820	0.005
17880	0.005
17940	0.005
18000	0.005
18060	0.005
18120	0.005
18180	0.005
18240	0.005
18300	0.005
18360	0.005
18420	0.005
18480	0.005
18540	0.005

18600	0.005
18660	0.005
18720	0.005
18780	0.005
18840	0.005
18900	0.005
18960	0.005
19020	0.005
19080	0.005
19140	0.005
19200	0.005
19260	0.005
19320	0.005
19380	0.005
19440	0.005
19500	0.005
19560	0.005
19620	0.005
19680	0.005
19740	0.005
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20040	0.005
20100	0.005
20160	0.005
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20340	0.005
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20580	0.005
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20880	0.005
20940	0.005
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21360	0.005

21420	0.005
21480	0.005
21540	0.005
21600	0.005
21660	0.005
21720	0.005
21780	0.005
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21960	0.005
22020	0.005
22080	0.005
22140	0.005
22200	0.005
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22380	0.004
22440	0.005
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22560	0.004
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22680	0.005
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23340	0.005
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23520	0.004
23580	0.005
23640	0.005
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23820	0.004
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23940	0.005
24000	0.005
24060	0.004
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24720	0.005
24780	0.005
24840	0.005
24900	0.005
24960	0.004
25020	0.004
25080	0.005
25140	0.004
25200	0.005
25260	0.005
25320	0.005
25380	0.005
25440	0.005
25500	0.005
25560	0.005
25620	0.005
25680	0.005
25740	0.005
25800	0.005
25860	0.005
25920	0.005
25980	0.005
26040	0.005
26100	0.004
26160	0.005
26220	0.005
26280	0.004
26340	0.005
26400	0.005
26460	0.004
26520	0.004
26580	0.004
26640	0.005
26700	0.005
26760	0.004
26820	0.004
26880	0.004
26940	0.004
27000	0.004

27060	0.004
27120	0.004
27180	0.004
27240	0.004
27300	0.004
27360	0.004
27420	0.004
27480	0.004
27540	0.004
27600	0.004
27660	0.004
27720	0.004
27780	0.004
27840	0.004
27900	0.005
27960	0.004
28020	0.005
28080	0.004
28140	0.004
28200	0.004
28260	0.004
28320	0.005
28380	0.004
28440	0.004
28500	0.005
28560	0.004
28620	0.004
28680	0.004
28740	0.004
28800	0.004
28860	0.004
28920	0.004
28980	0.004
29040	0.004
29100	0.004
29160	0.004
29220	0.004
29280	0.004
29340	0.004
29400	0.004
29460	0.004
29520	0.004
29580	0.004
29640	0.004
29700	0.004
29760	0.004
29820	0.004

29880	0.004
29940	0.004
30000	0.004
30060	0.004
30120	0.004
30180	0.004
30240	0.004

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530142616
Firmware Version	3.4
Calibration Date	7/7/2016
Test Name	DOWN060717_001
Test Start Time	9:04:25 AM
Test Start Date	6/7/2017
Test Length [D:H:M]	0:07:35
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.027
Mass TWA [mg/m3]	0.004
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	455

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.027		
120	0.008		
180	0.008		
240	0.009		
300	0.008		
360	0.008		
420	0.009		
480	0.008		
540	0.008		
600	0.008		
660	0.008		
720	0.008		
780	0.008		
840	0.009		
900	0.008		
960	0.008		
1020	0.007		
1080	0.007		
1140	0.007		
1200	0.007		
1260	0.007		
1320	0.007		
1380	0.006		
1440	0.006		
1500	0.006		
1560	0.006		
1620	0.005		

1680	0.006
1740	0.006
1800	0.006
1860	0.006
1920	0.006
1980	0.006
2040	0.006
2100	0.006
2160	0.006
2220	0.006
2280	0.006
2340	0.006
2400	0.006
2460	0.006
2520	0.006
2580	0.005
2640	0.006
2700	0.005
2760	0.005
2820	0.005
2880	0.004
2940	0.004
3000	0.005
3060	0.005
3120	0.004
3180	0.005
3240	0.013
3300	0.026
3360	0.008
3420	0.004
3480	0.004
3540	0.003
3600	0.003
3660	0.003
3720	0.004
3780	0.004
3840	0.004
3900	0.003
3960	0.003
4020	0.003
4080	0.003
4140	0.003
4200	0.003
4260	0.003
4320	0.003
4380	0.002
4440	0.003

4500	0.003
4560	0.001
4620	0.001
4680	0.001
4740	0.002
4800	0.003
4860	0.002
4920	0.002
4980	0.004
5040	0.005
5100	0.002
5160	0.001
5220	0.002
5280	0.002
5340	0.003
5400	0.003
5460	0.003
5520	0.002
5580	0.002
5640	0.001
5700	0.001
5760	0.001
5820	0.001
5880	0.001
5940	0.001
6000	0.001
6060	0.002
6120	0.001
6180	0.003
6240	0.002
6300	0
6360	0
6420	0.001
6480	0.001
6540	0.001
6600	0.001
6660	0.002
6720	0.001
6780	0.001
6840	0
6900	0.001
6960	0
7020	0.001
7080	0.001
7140	0
7200	0
7260	0

7320	0
7380	0
7440	0.007
7500	0.001
7560	0.001
7620	0
7680	0.001
7740	0
7800	0.002
7860	0.002
7920	0.002
7980	0
8040	0
8100	0
8160	0.001
8220	0.001
8280	0
8340	0
8400	0
8460	0.002
8520	0.001
8580	0
8640	0
8700	0
8760	0
8820	0.001
8880	0
8940	0.001
9000	0.002
9060	0.005
9120	0.001
9180	0.001
9240	0
9300	0
9360	0
9420	0.002
9480	0.001
9540	0
9600	0
9660	0.001
9720	0.001
9780	0
9840	0
9900	0
9960	0
10020	0
10080	0

10140	0
10200	0.002
10260	0
10320	0.001
10380	0.001
10440	0.001
10500	0
10560	0
10620	0.002
10680	0
10740	0
10800	0
10860	0
10920	0
10980	0.001
11040	0
11100	0
11160	0
11220	0.001
11280	0
11340	0.001
11400	0
11460	0
11520	0
11580	0
11640	0.001
11700	0
11760	0.001
11820	0
11880	0
11940	0
12000	0
12060	0.003
12120	0
12180	0
12240	0
12300	0
12360	0
12420	0
12480	0
12540	0
12600	0
12660	0
12720	0
12780	0
12840	0
12900	0

12960	0
13020	0
13080	0.001
13140	0
13200	0
13260	0
13320	0
13380	0
13440	0
13500	0
13560	0
13620	0
13680	0
13740	0
13800	0
13860	0.005
13920	0
13980	0
14040	0
14100	0
14160	0
14220	0
14280	0
14340	0
14400	0
14460	0
14520	0
14580	0
14640	0
14700	0
14760	0
14820	0
14880	0
14940	0
15000	0
15060	0
15120	0
15180	0
15240	0
15300	0
15360	0
15420	0
15480	0
15540	0
15600	0
15660	0
15720	0

15780	0
15840	0
15900	0
15960	0
16020	0.003
16080	0.001
16140	0
16200	0
16260	0
16320	0
16380	0
16440	0
16500	0
16560	0
16620	0
16680	0
16740	0
16800	0
16860	0
16920	0
16980	0
17040	0
17100	0
17160	0
17220	0
17280	0
17340	0
17400	0
17460	0
17520	0
17580	0
17640	0
17700	0
17760	0
17820	0
17880	0
17940	0
18000	0
18060	0
18120	0
18180	0
18240	0
18300	0
18360	0
18420	0
18480	0
18540	0

18600	0
18660	0
18720	0
18780	0
18840	0
18900	0
18960	0
19020	0
19080	0
19140	0
19200	0
19260	0
19320	0
19380	0
19440	0
19500	0
19560	0
19620	0
19680	0
19740	0
19800	0
19860	0.009
19920	0
19980	0
20040	0
20100	0
20160	0
20220	0
20280	0
20340	0
20400	0
20460	0
20520	0
20580	0
20640	0
20700	0
20760	0
20820	0
20880	0
20940	0
21000	0
21060	0
21120	0
21180	0
21240	0
21300	0
21360	0

21420	0
21480	0
21540	0
21600	0
21660	0.001
21720	0
21780	0
21840	0.001
21900	0.001
21960	0.006
22020	0.011
22080	0.011
22140	0.01
22200	0.011
22260	0.011
22320	0.011
22380	0.011
22440	0.011
22500	0.012
22560	0.013
22620	0.014
22680	0.015
22740	0.013
22800	0.013
22860	0.013
22920	0.013
22980	0.013
23040	0.013
23100	0.012
23160	0.013
23220	0.015
23280	0.014
23340	0.015
23400	0.014
23460	0.015
23520	0.014
23580	0.014
23640	0.014
23700	0.014
23760	0.014
23820	0.013
23880	0.014
23940	0.014
24000	0.014
24060	0.014
24120	0.015
24180	0.021

24240	0.023
24300	0.016
24360	0.018
24420	0.017
24480	0.015
24540	0.015
24600	0.016
24660	0.015
24720	0.016
24780	0.014
24840	0.014
24900	0.014
24960	0.013
25020	0.015
25080	0.013
25140	0.015
25200	0.017
25260	0.016
25320	0.019
25380	0.017
25440	0.017
25500	0.016
25560	0.016
25620	0.02
25680	0.018
25740	0.017
25800	0.017
25860	0.026
25920	0.018
25980	0.017
26040	0.017
26100	0.016
26160	0.017
26220	0.017
26280	0.017
26340	0.018
26400	0.017
26460	0.017
26520	0.017
26580	0.017
26640	0.016
26700	0.017
26760	0.017
26820	0.016
26880	0.016
26940	0.016
27000	0.016

27060	0.015
27120	0.016
27180	0.016
27240	0.017
27300	0.017

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530142616
Firmware Version	3.4
Calibration Date	7/7/2016
Test Name	DOWN060817_002
Test Start Time	8:36:01 AM
Test Start Date	6/8/2017
Test Length [D:H:M]	0:06:07
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.022
Mass Minimum [mg/m3]	0.016
Mass Maximum [mg/m3]	0.031
Mass TWA [mg/m3]	0.017
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	367

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.023		
120	0.024		
180	0.023		
240	0.023		
300	0.023		
360	0.023		
420	0.023		
480	0.024		
540	0.024		
600	0.025		
660	0.024		
720	0.024		
780	0.024		
840	0.024		
900	0.024		
960	0.024		
1020	0.024		
1080	0.03		
1140	0.025		
1200	0.024		
1260	0.024		
1320	0.024		
1380	0.023		
1440	0.022		
1500	0.022		
1560	0.023		
1620	0.022		

1680	0.022
1740	0.022
1800	0.022
1860	0.022
1920	0.022
1980	0.024
2040	0.023
2100	0.022
2160	0.022
2220	0.023
2280	0.023
2340	0.022
2400	0.022
2460	0.022
2520	0.023
2580	0.022
2640	0.022
2700	0.022
2760	0.023
2820	0.025
2880	0.022
2940	0.022
3000	0.021
3060	0.021
3120	0.022
3180	0.022
3240	0.022
3300	0.021
3360	0.021
3420	0.02
3480	0.021
3540	0.022
3600	0.022
3660	0.021
3720	0.022
3780	0.022
3840	0.022
3900	0.021
3960	0.021
4020	0.021
4080	0.02
4140	0.02
4200	0.02
4260	0.02
4320	0.02
4380	0.02
4440	0.019

4500	0.019
4560	0.021
4620	0.018
4680	0.018
4740	0.016
4800	0.021
4860	0.018
4920	0.018
4980	0.017
5040	0.017
5100	0.019
5160	0.017
5220	0.018
5280	0.018
5340	0.018
5400	0.018
5460	0.017
5520	0.017
5580	0.018
5640	0.018
5700	0.017
5760	0.018
5820	0.018
5880	0.018
5940	0.017
6000	0.019
6060	0.017
6120	0.017
6180	0.016
6240	0.016
6300	0.016
6360	0.016
6420	0.017
6480	0.017
6540	0.017
6600	0.017
6660	0.017
6720	0.016
6780	0.017
6840	0.017
6900	0.017
6960	0.017
7020	0.018
7080	0.018
7140	0.017
7200	0.017
7260	0.017

7320	0.018
7380	0.016
7440	0.017
7500	0.017
7560	0.017
7620	0.016
7680	0.017
7740	0.016
7800	0.016
7860	0.017
7920	0.017
7980	0.018
8040	0.017
8100	0.017
8160	0.017
8220	0.018
8280	0.018
8340	0.017
8400	0.019
8460	0.018
8520	0.018
8580	0.018
8640	0.018
8700	0.019
8760	0.018
8820	0.018
8880	0.017
8940	0.018
9000	0.019
9060	0.018
9120	0.018
9180	0.019
9240	0.019
9300	0.018
9360	0.02
9420	0.019
9480	0.019
9540	0.019
9600	0.02
9660	0.02
9720	0.02
9780	0.019
9840	0.019
9900	0.02
9960	0.021
10020	0.02
10080	0.02

10140	0.02
10200	0.019
10260	0.022
10320	0.021
10380	0.02
10440	0.02
10500	0.02
10560	0.02
10620	0.019
10680	0.019
10740	0.019
10800	0.019
10860	0.018
10920	0.019
10980	0.019
11040	0.022
11100	0.022
11160	0.023
11220	0.023
11280	0.024
11340	0.024
11400	0.025
11460	0.024
11520	0.024
11580	0.024
11640	0.023
11700	0.024
11760	0.024
11820	0.024
11880	0.024
11940	0.024
12000	0.024
12060	0.024
12120	0.023
12180	0.024
12240	0.024
12300	0.023
12360	0.023
12420	0.024
12480	0.023
12540	0.023
12600	0.023
12660	0.024
12720	0.024
12780	0.024
12840	0.024
12900	0.024

12960	0.024
13020	0.024
13080	0.024
13140	0.024
13200	0.025
13260	0.024
13320	0.024
13380	0.024
13440	0.024
13500	0.025
13560	0.024
13620	0.024
13680	0.024
13740	0.023
13800	0.026
13860	0.026
13920	0.025
13980	0.026
14040	0.026
14100	0.026
14160	0.026
14220	0.027
14280	0.028
14340	0.027
14400	0.027
14460	0.026
14520	0.026
14580	0.026
14640	0.027
14700	0.028
14760	0.031
14820	0.027
14880	0.026
14940	0.027
15000	0.028
15060	0.026
15120	0.026
15180	0.027
15240	0.026
15300	0.026
15360	0.026
15420	0.028
15480	0.026
15540	0.026
15600	0.026
15660	0.026
15720	0.025

15780	0.025
15840	0.025
15900	0.025
15960	0.025
16020	0.025
16080	0.025
16140	0.025
16200	0.025
16260	0.024
16320	0.024
16380	0.024
16440	0.024
16500	0.024
16560	0.024
16620	0.026
16680	0.025
16740	0.024
16800	0.022
16860	0.023
16920	0.024
16980	0.024
17040	0.024
17100	0.024
17160	0.023
17220	0.024
17280	0.023
17340	0.023
17400	0.022
17460	0.022
17520	0.022
17580	0.023
17640	0.023
17700	0.023
17760	0.022
17820	0.022
17880	0.023
17940	0.023
18000	0.023
18060	0.023
18120	0.023
18180	0.024
18240	0.024
18300	0.024
18360	0.024
18420	0.023
18480	0.023
18540	0.023

18600	0.024
18660	0.024
18720	0.023
18780	0.023
18840	0.024
18900	0.023
18960	0.024
19020	0.024
19080	0.025
19140	0.024
19200	0.025
19260	0.026
19320	0.026
19380	0.024
19440	0.024
19500	0.025
19560	0.024
19620	0.024
19680	0.024
19740	0.024
19800	0.024
19860	0.023
19920	0.023
19980	0.023
20040	0.025
20100	0.023
20160	0.023
20220	0.023
20280	0.023
20340	0.024
20400	0.024
20460	0.026
20520	0.023
20580	0.024
20640	0.024
20700	0.024
20760	0.024
20820	0.024
20880	0.023
20940	0.024
21000	0.024
21060	0.025
21120	0.024
21180	0.026
21240	0.025
21300	0.023
21360	0.024

21420	0.023
21480	0.024
21540	0.025
21600	0.024
21660	0.024
21720	0.024
21780	0.024
21840	0.024
21900	0.024
21960	0.025
22020	0.025

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530142616
Firmware Version	3.4
Calibration Date	7/7/2016
Test Name	DOWN060917_003
Test Start Time	7:59:05 AM
Test Start Date	6/9/2017
Test Length [D:H:M]	0:08:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.023
Mass Minimum [mg/m3]	0.012
Mass Maximum [mg/m3]	0.036
Mass TWA [mg/m3]	0.024
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	493

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.027		
120	0.026		
180	0.028		
240	0.027		
300	0.028		
360	0.028		
420	0.028		
480	0.028		
540	0.027		
600	0.028		
660	0.028		
720	0.028		
780	0.029		
840	0.028		
900	0.029		
960	0.029		
1020	0.029		
1080	0.029		
1140	0.029		
1200	0.029		
1260	0.028		
1320	0.029		
1380	0.029		
1440	0.029		
1500	0.029		
1560	0.029		
1620	0.028		

1680	0.029
1740	0.029
1800	0.028
1860	0.028
1920	0.027
1980	0.027
2040	0.027
2100	0.027
2160	0.027
2220	0.027
2280	0.027
2340	0.027
2400	0.028
2460	0.027
2520	0.027
2580	0.027
2640	0.027
2700	0.027
2760	0.027
2820	0.027
2880	0.027
2940	0.027
3000	0.027
3060	0.028
3120	0.028
3180	0.028
3240	0.028
3300	0.028
3360	0.028
3420	0.028
3480	0.027
3540	0.028
3600	0.029
3660	0.029
3720	0.028
3780	0.028
3840	0.029
3900	0.028
3960	0.029
4020	0.029
4080	0.028
4140	0.028
4200	0.028
4260	0.028
4320	0.028
4380	0.029
4440	0.029

4500	0.028
4560	0.027
4620	0.026
4680	0.027
4740	0.027
4800	0.027
4860	0.026
4920	0.026
4980	0.027
5040	0.027
5100	0.027
5160	0.026
5220	0.027
5280	0.026
5340	0.026
5400	0.026
5460	0.026
5520	0.026
5580	0.026
5640	0.026
5700	0.026
5760	0.026
5820	0.026
5880	0.026
5940	0.025
6000	0.026
6060	0.026
6120	0.025
6180	0.025
6240	0.025
6300	0.026
6360	0.025
6420	0.025
6480	0.025
6540	0.026
6600	0.025
6660	0.025
6720	0.025
6780	0.026
6840	0.025
6900	0.025
6960	0.025
7020	0.026
7080	0.025
7140	0.025
7200	0.026
7260	0.024

7320	0.025
7380	0.025
7440	0.025
7500	0.025
7560	0.024
7620	0.025
7680	0.024
7740	0.025
7800	0.025
7860	0.024
7920	0.024
7980	0.024
8040	0.025
8100	0.024
8160	0.024
8220	0.025
8280	0.024
8340	0.024
8400	0.025
8460	0.025
8520	0.024
8580	0.025
8640	0.025
8700	0.025
8760	0.024
8820	0.025
8880	0.024
8940	0.024
9000	0.025
9060	0.024
9120	0.024
9180	0.024
9240	0.024
9300	0.024
9360	0.024
9420	0.024
9480	0.024
9540	0.023
9600	0.023
9660	0.023
9720	0.024
9780	0.023
9840	0.024
9900	0.023
9960	0.022
10020	0.022
10080	0.023

10140	0.022
10200	0.023
10260	0.023
10320	0.022
10380	0.022
10440	0.022
10500	0.023
10560	0.023
10620	0.023
10680	0.023
10740	0.024
10800	0.024
10860	0.025
10920	0.025
10980	0.024
11040	0.024
11100	0.023
11160	0.023
11220	0.023
11280	0.023
11340	0.023
11400	0.023
11460	0.023
11520	0.023
11580	0.023
11640	0.023
11700	0.023
11760	0.023
11820	0.024
11880	0.023
11940	0.023
12000	0.022
12060	0.023
12120	0.023
12180	0.023
12240	0.023
12300	0.022
12360	0.023
12420	0.023
12480	0.022
12540	0.023
12600	0.023
12660	0.022
12720	0.022
12780	0.022
12840	0.022
12900	0.022

12960	0.022
13020	0.023
13080	0.022
13140	0.022
13200	0.023
13260	0.023
13320	0.022
13380	0.022
13440	0.023
13500	0.023
13560	0.023
13620	0.023
13680	0.023
13740	0.023
13800	0.023
13860	0.023
13920	0.023
13980	0.023
14040	0.023
14100	0.023
14160	0.023
14220	0.023
14280	0.023
14340	0.023
14400	0.023
14460	0.023
14520	0.022
14580	0.021
14640	0.021
14700	0.021
14760	0.021
14820	0.021
14880	0.021
14940	0.021
15000	0.021
15060	0.02
15120	0.02
15180	0.02
15240	0.021
15300	0.022
15360	0.022
15420	0.021
15480	0.021
15540	0.036
15600	0.021
15660	0.021
15720	0.021

15780	0.021
15840	0.02
15900	0.019
15960	0.02
16020	0.019
16080	0.019
16140	0.018
16200	0.018
16260	0.018
16320	0.018
16380	0.019
16440	0.019
16500	0.018
16560	0.019
16620	0.019
16680	0.019
16740	0.019
16800	0.02
16860	0.019
16920	0.019
16980	0.019
17040	0.019
17100	0.018
17160	0.018
17220	0.018
17280	0.018
17340	0.019
17400	0.019
17460	0.02
17520	0.02
17580	0.019
17640	0.02
17700	0.021
17760	0.022
17820	0.022
17880	0.022
17940	0.021
18000	0.021
18060	0.021
18120	0.021
18180	0.021
18240	0.021
18300	0.021
18360	0.02
18420	0.021
18480	0.021
18540	0.021

18600	0.022
18660	0.021
18720	0.023
18780	0.021
18840	0.021
18900	0.022
18960	0.023
19020	0.023
19080	0.023
19140	0.023
19200	0.025
19260	0.024
19320	0.024
19380	0.023
19440	0.023
19500	0.023
19560	0.024
19620	0.024
19680	0.023
19740	0.022
19800	0.021
19860	0.023
19920	0.022
19980	0.024
20040	0.025
20100	0.026
20160	0.026
20220	0.026
20280	0.026
20340	0.026
20400	0.026
20460	0.027
20520	0.025
20580	0.024
20640	0.026
20700	0.026
20760	0.025
20820	0.026
20880	0.027
20940	0.027
21000	0.026
21060	0.025
21120	0.026
21180	0.026
21240	0.025
21300	0.024
21360	0.026

21420	0.027
21480	0.029
21540	0.029
21600	0.031
21660	0.03
21720	0.033
21780	0.032
21840	0.033
21900	0.031
21960	0.03
22020	0.029
22080	0.027
22140	0.03
22200	0.03
22260	0.029
22320	0.028
22380	0.028
22440	0.027
22500	0.028
22560	0.026
22620	0.027
22680	0.03
22740	0.03
22800	0.027
22860	0.027
22920	0.026
22980	0.027
23040	0.028
23100	0.029
23160	0.029
23220	0.028
23280	0.026
23340	0.028
23400	0.028
23460	0.027
23520	0.026
23580	0.024
23640	0.025
23700	0.025
23760	0.023
23820	0.023
23880	0.023
23940	0.023
24000	0.022
24060	0.022
24120	0.022
24180	0.022

24240	0.022
24300	0.022
24360	0.021
24420	0.02
24480	0.021
24540	0.02
24600	0.02
24660	0.02
24720	0.021
24780	0.02
24840	0.02
24900	0.024
24960	0.028
25020	0.024
25080	0.02
25140	0.02
25200	0.021
25260	0.022
25320	0.021
25380	0.022
25440	0.019
25500	0.021
25560	0.021
25620	0.022
25680	0.023
25740	0.022
25800	0.02
25860	0.021
25920	0.023
25980	0.022
26040	0.024
26100	0.023
26160	0.023
26220	0.021
26280	0.023
26340	0.019
26400	0.018
26460	0.018
26520	0.018
26580	0.02
26640	0.02
26700	0.019
26760	0.021
26820	0.019
26880	0.019
26940	0.016
27000	0.015

27060	0.014
27120	0.012
27180	0.015
27240	0.016
27300	0.015
27360	0.013
27420	0.013
27480	0.016
27540	0.023
27600	0.02
27660	0.016
27720	0.015
27780	0.014
27840	0.014
27900	0.014
27960	0.016
28020	0.014
28080	0.017
28140	0.015
28200	0.014
28260	0.014
28320	0.015
28380	0.016
28440	0.017
28500	0.016
28560	0.016
28620	0.016
28680	0.015
28740	0.016
28800	0.015
28860	0.015
28920	0.014
28980	0.014
29040	0.014
29100	0.014
29160	0.013
29220	0.012
29280	0.012
29340	0.013
29400	0.013
29460	0.013
29520	0.015
29580	0.016

Data Usability Summary Reports

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#480-119271-1
February 2, 2018
Sampling date: 6/7/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#480-119271-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Perfluorinated Hydrocarbons (537 modified) and in accordance with wet chemistry methods.

The temperature of the samples was outside QC limits, low, but was above $0^{o}C$, so no further action is required.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Internal Standards, Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the area of 1,4-Dichlorobenzene-d_4 and Chlorobenzene-d_5 was outside QC limits, low in SB-2D-30.0-31.9-060717, SB-2D-20.6-21.7-060717 and x-1-060717. The area of Fluorobenzene was outside QC limits, low in SB-2D-30.0-31.9-060717. The area of 1,4-Dichlorobenzene-d_4 was outside QC limits, low in SB-2D-16.8-18.1-060717. Associated target analytes detected in these samples should be qualified as estimated high. Associated target analytes not detected in these samples should be qualified as estimated.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 4-Bromofluorobenzene was outside QC limits, low in SB-2D-30.0-31.9-060717, SB-2D-20.6-21.7-060717 and x-1-060717. Associated target analytes in these samples should be qualified as estimated.
The %Rec of Dibromofluoromethane was outside QC limits, high in SB-2D-30.0-31.9-060717. The %Rec of Toluene-d_8 was outside QC limits, high in SB-2D-20.6-21.7-060717. The %Rec of 4-Bromofluorobenzene was outside ASP QC limits, high in SB-3D-17.0-18.1-060717MSD, LCS 480-362432/1-A and LCS 480-362726-1-A. Associated target analytes detected in these samples should be qualified as estimated high.
Several surrogates were outside laboratory QC limits, but within ASP limits, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Bromomethane was outside QC limits, high in LCS 480-362284/22-A. This target analyte should be qualified as estimated in the associated samples, if detected.

MS/MSD
All criteria were met except the %Rec of 1,1,2,2-Tetrachloroethane, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Butanone, 2-Hexanone and 1,2-Dibromoethane was outside QC limits, low in SB-3D-17.0-18.1-060717MS/MSD. These target analytes should be qualified as estimated in SB-3D-17.0-18.1-060717MS/MSD and SB-3D-17.0-18.1-060717.

The %Rec of several target analytes was outside QC limits in SB-3D-17.0-18.1-060717MS but within limits in SB-3D-17.0-18.1-060717MSD, and should be qualified as estimated in SB-3D-17.0-18.1-060717MS.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Bromomethane and Chloroethane was outside ASP outer QC limits in continuing calibration file #CCVIS 480-362309/3. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

GC/MS PERFORMANCE CHECK
All criteria were met.

PFC IDA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Isotope Dilution Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

ISOTOPE DILUTION RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD > 35.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

-%Solids

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

%SOLIDS
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#480-119327-1
February 3, 2018
Sampling date: 6/8, 9/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#480-119327-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C) and in accordance with wet chemistry methods.

The temperature of the samples was outside QC limits, low, but was above $0^{o}C$, so no further action is required.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Internal Standards, Surrogate Spike Recoveries, MS/MSD and Compound Quantitation.

Sample, SB-4-15.0-15.7-060917 was analyzed at a reduced weight due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the area of 1,4-Dichlorobenzene-d_4 and Chlorobenzene-d_5 was outside QC limits, low in SB-4-20.0-20.4-060917. The area of Fluorobenzene was outside QC limits, low in all of the samples. Associated target analytes detected in these samples should be qualified as estimated high. Associated target analytes not detected in these samples should be qualified as estimated.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 4-Bromofluorobenzene and Toluene-d8 was outside QC limits, low in SB-4-15.0-15.7-060917. Associated target analytes in this sample should be qualified as estimated.
The %Rec of Dibromofluoromethane was outside QC limits, high in SB-2D-8.0-8.4-060817. The %Rec of 4-Bromofluorobenzene was outside ASP QC limits, high in LCS 480-362726-1-A. Associated target analytes detected in these samples should be qualified as estimated high. Several surrogates were outside laboratory QC limits, but within ASP limits, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of 1,1,2,2-Tetrachloroethane, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Butanone, 2-Hexanone and 1,2-Dibromoethane was outside QC limits, low in SB-3D-17.0-18.1-060717MS/MSD. These target analytes should be qualified as estimated in SB-3D-17.0-18.1-060717MS/MSD and SB-3D-17.0-18.1-060717.
The %Rec of several target analytes was outside QC limits in SB-3D-17.0-18.1-060717MS but within limits in SB-3D-17.0-18.1-060717MSD, and should be qualified as estimated in SB-3D-17.0-18.1-060717MS.

COMPOUND QUANTITATION
All criteria were met except Total Xylenes should be qualified with a '*' due to internal standards being outside QC limits.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

-%Solids

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

%SOLIDS
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#480-120806-1
February 21, 2018
Sampling date: 7/10/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#480-120806-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratories performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Herbicides (8151B), Inorganics (6010C), Mercury (7470A) and general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except the Batch worksheet for batch#367785 was not included in the original package. That page is attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 2-Hexanone and 2-Butanone were outside QC limits, high in LCS 480-367785/4 and LCS 480-368009/7. These target analytes should be qualified as estimated high if they are detected in the associated samples.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Dichlorodifluoromethane was outside ASP outer QC limits in the CCVIS 480-367785/2. This target analyte should be qualified as estimated in the associated blanks, spikes and samples.
The %D of several target analytes was outside laboratory QC limits, but within ASP limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except several TIC's were detected in MB 480-366610/1-A. Associated TIC's in which the concentration was greater than 5ug/L in the samples should be qualified as estimated high.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the concentration of 3,3'-Dichlorobenzidine exceeded calibration limits in LCS 480-366610/2-A. This target analyte should be qualified as estimated if detected in the associated samples.

MS/MSD
All criteria were met except the %Rec of 2,4-Dinitrotoluene was outside ASP QC limits, high in MW-2D-MS-071117MS and MW-2D-MSD-071117MSD. This target analyte should be qualified as estimated if detected in MW-2D-071117, MW-2D-MS-071117MS and MW-2D-MSD-071117MSD.
The concentration of 3,3'-Dichlorobenzidine exceeded calibration levels in MW-2D-MSD-071117MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used for all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
The %D was outside laboratory QC limits for several target analytes, but was within ASP QC limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns of Aroclor 1260 was outside QC limits in LCS 480-366706/2-A and should be qualified as estimated.

MS/MSD
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1260 in MW-2D-MS-071117MS and MW-2D-MSD-071117MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on target analytes and surrogates in which the %RSD > 20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1260 peaks 2, 3, 5 and DCBP was outside QC limits off column ZB-35 in CCVIS 480-366831/4. The %D of Aroclor 1221 peaks 1-3 and Aroclor 1254 peaks 2, 4, 5 was outside QC limits off column ZB-35 in CCVIS 480-366831/5. The %D of Aroclor 1232 peaks 1-5 and Aroclor 1262 peaks 1-5 was outside QC limits off column ZB-35 in CCVIS 480-366831/6. The %D of Aroclor 1242 peaks 1-4 and Aroclor 1268 peaks 1-5 was

outside QC limits off column ZB-35 in CCVIS 480-366831/7. The %D of Aroclor 1248 peaks 1-3 and peak 5 was outside QC limits off column ZB-5 in CCVIS 480-366831/8. These target analytes should be qualified as estimated in the associated samples, blank and spikes off the associated column.
The %D of Aroclor 1254 peak was outside QC limits off column ZB-5 in CCVIS 480-366831/5.
The %D of Aroclor 1248 peak 1 was outside QC limits off column ZB-35 in CCVIS 480-366831/8.
ASP requires three peaks to be compliant, so no further action is required.

HERBICIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except the %D of 2,4,5-T off column CLP-1 and 2,4-D off column CLP-2 were outside QC limits in CCV 240-287294/33. These target analytes should be qualified as estimated in the associated samples, blank and spikes off the associated column.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD/Duplicate
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with

the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times, Blanks, MS/MSD/Duplicate and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the pH was not recorded for the samples. All target analytes in the samples should be qualified as estimated low, if detected, or unusable, if not detected.

BLANKS
All criteria were met except Cu, Mn, K and Na were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-367217/18. Mn and K were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-367217/24. Mn and Na were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-367217/48. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met except the %Rec of Al was outside QC limits, high in MW-2D-MS-071117MSD and should be qualified as estimated.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Mn was outside QC limits, high in ICVL 480-367411/7, CCVL 480-367411/20, 24, 32 and ICVL 480-367217/7. The %Rec of Al, Ba, Cd, Ca and Na was outside QC limits, high in CCVL 480-367217/19. The %Rec of As, Cd, Pb, Mn and K was outside QC limits, high in CCVL 480-367217/25. The %Rec of Al, Mn, K and Ag was outside QC limits, high in CCVL 480-367217/37. The %Rec of Al, Ba and Na was outside QC limits, high in CCVL 480-367217/49. These target analytes should be qualified as estimated high in the associated blanks, spikes and samples, if they are detected.
The %Rec of Cr and Se was outside QC limits, low in ICVL 480-367217/7. The %Rec of Se was outside QC limits, low in CCVL 480-367217/25. The %Rec of Sb, Se and Ag was outside QC limits, low in CCVL 480-367217/49. These target analytes should be qualified as estimated in the associated samples.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

CYANIDE
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#320-29815-1
February 9, 2018
Sampling date: 7/10/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#320-29815-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Perfluorinated Hydrocarbons (537 modified).

PFC IDA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Isotope Dilution Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and Method Blank.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Sample, DUP-001-071017 was decanted due to sediment in the sample.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

ISOTOPE DILUTION RECOVERIES
All criteria were met except the %Rec of 13C8 FOSA was outside QC limits, low in the samples. Associate target analytes detected in the samples should be qualified as estimated low. Associate target analytes not detected in the samples should be qualified as estimated.
The %Rec of 13C2PFDA was outside QC limits, high in MB 320-175577/1-A. Associated target analytes detected in MB 320-175577/1-A should be qualified as estimated.

METHOD BLANK
All the criteria were met except PFBA, PFTeA, PFHxDA and FOSA were detected above the MDL, below the reporting limit and are qualified as estimated in MB 320-175302/1-A. PFBA and PFHxDA were detected above the MDL, below the reporting limit and are qualified as estimated in MB 320-175577/1-A. These target analytes should be qualified as undetected at the reporting limit if they are detected below the reporting limit in the associated samples. These target analytes should be qualified as estimated high if detected above the reporting limit in the associated samples.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of PFTeA was outside QC limits high in LCS/LCSD 320-175302/2-A, 3-A and should be qualified as estimated. This target analyte should be qualified as estimated in the associated samples in which it was detected.
The %Rec of PFTeA was outside QC limits high in LCS 320-175577/2-A and should be qualified as estimated. The %Rec of PFTeA was within limits in LCSD 320-175577/3-A so no further action is required for the associated samples.

MS/MSD
All criteria were met except the %Rec of PFTeA was outside QC limits high in MW-2D-071117MS/MSD and should be qualified as estimated in MW-2D-071117 and MW-2D-071117MS/MSD.
The %Rec of PFTriA and PFODA was outside QC limits high in MW-2D-071117MS and should be qualified as estimated in MW-2D-071117MS.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD > 35.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

-%Solids

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

%SOLIDS
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#480-120876-1
February 22, 2018
Sampling date: 7/11/2017

Prepared by:
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1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#480-120876-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratories performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Herbicides (8151B), Inorganics (6010C), Mercury (7470A) and general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except Acetone was detected above the MDL, below the reporting limit and is qualified as estimated in TB-071117. Acetone was not detected in the samples so no further action is required.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
The %D of several target analytes was outside laboratory QC limits, but within ASP limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except several TIC's were detected in MB 480-366610/1-A. Associated TIC's in which the concentration was greater than 5ug/L in the samples should be qualified as estimated high.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the concentration of 3,3'-Dichlorobenzidine exceeded calibration limits in LCS 480-366610/2-A. This target analyte should be qualified as estimated if detected in the associated samples.

MS/MSD
All criteria were met except the %Rec of 2,4-Dinitrotoluene was outside ASP QC limits, high in MW-2D-MS-071117MS and MW-2D-MSD-071117MSD. This target analyte should be qualified as estimated if detected in MW-2D-071117, MW-2D-MS-071117MS and MW-2D-MSD-071117MSD.
The concentration of 3,3'-Dichlorobenzidine exceeded calibration levels in MW-2D-MSD-071117MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used for all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
The %D was outside laboratory QC limits for several target analytes, but was within ASP QC limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns of Aroclor 1260 was outside QC limits in LCS 480-366706/2-A and should be qualified as estimated.

MS/MSD
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1260 in MW-2D-MS-071117MS and MW-2D-MSD-071117MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on target analytes and surrogates in which the %RSD > 20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1260 peaks 2, 3, 5 and DCBP was outside QC limits off column ZB-35 in CCVIS 480-366831/4. The %D of Aroclor 1221 peaks 1-3 and Aroclor 1254 peaks 2, 4, 5 was outside QC limits off column ZB-35 in CCVIS 480-366831/5. The %D of Aroclor 1232 peaks 1-5 and Aroclor 1262 peaks 1-5 were outside QC limits off column ZB-35 in CCVIS 480-366831/6. The %D of Aroclor 1242 peaks 1-4 and Aroclor 1268 peaks 1-5 were

outside QC limits off column ZB-35 in CCVIS 480-366831/7. The %D of Aroclor 1248 peaks 1-3 and peak 5 was outside QC limits off column ZB-5 in CCVIS 480-366831/8. These target analytes should be qualified as estimated in the associated samples, blank and spikes off the associated column.
The %D of Aroclor 1254 peak was outside QC limits off column ZB-5 in CCVIS 480-366831/5.
The %D of Aroclor 1248 peak 1 was outside QC limits off column ZB-35 in CCVIS 480-366831/8.
ASP requires three peaks to be compliant, so no further action is required.

HERBICIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except the %D of 2,4,5-T off column CLP-1 and 2,4-D off column CLP-2 were outside QC limits in CCV 240-287294/33. These target analytes should be qualified as estimated in the associated samples, blank and spikes.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with

the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Holding Times, Blanks, MS/MSD/Duplicate, Serial Dilution and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the pH was not recorded for the samples. All target analytes in the samples should be qualified as estimated low, if detected, or unusable, if not detected.

BLANKS
All criteria were met except Cu, Mn, K and Na were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-367217/18. Mn and K were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-367217/24. Mn and Na were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-367217/48. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met except the %Rec of Al was outside QC limits, high in MW-2D-MS-071117MSD and should be qualified as estimated.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
All criteria were met except the %D of Al was outside QC limits in MW-2D-071117SD and should be qualified as estimated in MW-2D-071117 and MW-2D-071117SD.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Mn was outside QC limits, high in ICVL 480-367411/7, CCVL 480-367411/20, 24, 32 and ICVL 480-367217/7. The %Rec of Al, Ba, Cd, Ca and Na was outside QC limits, high in CCVL 480-367217/19. The %Rec of As, Cd, Pb, Mn and K was outside QC limits, high in CCVL 480-367217/25. The %Rec of Al, Mn, K and Ag was outside QC limits, high in CCVL 480-367217/37. The %Rec of Al, Ba and Na was outside QC limits, high in CCVL 480-367217/49. These target analytes should be qualified as estimated high in the associated blanks, spikes and samples, if they are detected.
The %Rec of Cr and Se was outside QC limits, low in ICVL 480-367217/7. The %Rec of Se was outside QC limits, low in CCVL 480-367217/25. The %Rec of Sb, Se and Ag was outside QC limits, low in CCVL 480-367217/49. These target analytes should be qualified as estimated in the associated samples.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Cyanide.

CYANIDE
All criteria were met except the %Rec of Cn in MW-2D-MS-071117MS was outside QC limits high and should be qualified as estimated.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#320-29841-1
February 9, 2018
Sampling date: 7/11/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#320-29841-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Perfluorinated Hydrocarbons (537 modified).

PFC IDA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Isotope Dilution Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Holding times, Isotope Dilution Recoveries, Method Blank, Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

Samples, MW-2S-071117, MW-2D-071117, MW-2D-071117MS/MSD and MW-3S-071117 were decanted due to sediment in the sample.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES
All holding times were met except FRB-071117 was outside QC limits. All target analytes in this sample should be qualified as estimated.

ISOTOPE DILUTION RECOVERIES
All criteria were met except the %Rec of 13C8 FOSA was outside QC limits, low in all of the samples and MW-2D-071117MS/MSD. Associate target analytes detected in these samples should be qualified as estimated low. Associate target analytes not detected in these samples should be qualified as estimated.

METHOD BLANK
All the criteria were met except PFBA, PFTeA and PFHxDA were detected above the MDL, below the reporting limit and are qualified as estimated in MB 320-175739/1-A. FOSA was detected above the MDL, below the reporting limit and is qualified as estimated in EB-071117. All target analyte except PFODA, PFDS and PFTeA, in FRB-071117, were detected above the MDL, below the reporting limit and are qualified as estimated. These target analytes should be qualified as undetected at the reporting limit if they are detected below the reporting limit in the associated samples. These target analytes should be qualified as estimated high if detected above the reporting limit in the associated samples.
PFTeA was detected above the reporting limit in FRB-071117. This target analyte should be qualified as undetected at the reporting limit if it is detected below the reporting limit in the associated samples. This target analyte should be qualified as undetected, if detected above the reporting limit but below the blank concentration, in the associated samples. This target analyte should be qualified as estimated high if detected above the blank concentration in the associated samples.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of PFTeA was outside QC limits high in LCS/LCSD 320-175739/2-A, 3-A and should be qualified as estimated. This target analyte should be qualified as estimated in the associated samples in which it was detected.

MS/MSD
All criteria were met except the %Rec of PFTeA was outside QC limits high in MW-2D-071117MS/MSD and should be qualified as estimated in MW-2D-071117 and MW-2D-071117MS/MSD.
The %Rec of PFTriA and PFODA was outside QC limits high in MW-2D-071117MS and should be qualified as estimated in MW-2D-071117MS.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes whose %RSD > 35.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

-%Solids

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

%SOLIDS
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#480-120986-1
February 7, 2018
Sampling date: 7/12/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#480-120986-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

The temperature of the samples was outside QC limits, low, but was above $0^{o}C$, so no further action is required.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Holding Times, Surrogate Spike Recoveries and Laboratory Control Samples.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the pH of sample, K-16-2-071217 was outside QC limits and the sample was analyzed outside the 7 day hold time by less than 12 hours. Target analytes in this sample should be qualified as estimated low.

The pH of samples, K-16-071217 and K-25-071217 was outside QC limits, but the samples were analyzed within the 7 day hold time, so no further action is required.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 4-Bromofluorobenzene was outside ASP QC limits, low in TB-071217. Associated target analytes detected in this sample should be qualified as estimated low. Associated target analytes not detected in this sample should be qualified as estimated.

METHOD BLANK
All the criteria were met except the TIC, 2-Methylnaphthalene, was detected in MB 480-367650/6 and MB 480-367774/6. No further action is required due to the concentrations in the blank.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 1,1,1-Trichloroethane was outside QC limits, high in LCS 480-367774/4. This target analyte should be qualified as estimated in the associated samples, if detected.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of 1,1,1-Trichloroethane was outside ASP QC limits in CCVIS 480-367774/2. ASP allows for up to two target analytes to be outside QC limits without further action.

The %D of several target analytes was outside laboratory QC limits, but within ASP QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

UNITED 1HR. DRY CLEANERS
TestAmerica Laboratories, Inc. # 200-39837-1
February 9, 2018
Sampling date: 8/23/2017

Prepared by

Jodi Zimmerman, B.S.
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for O'Brien and Gere, United 1hr. Dry Cleaners, TestAmerica Laboratories, Inc. (TestAmerica), Project SDG ID#200-39837-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocol (ASP) and USEPA National Functional Guidelines (NFG). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

VOLATILE ORGANIC COMPOUND

The following items/criteria were reviewed for this report:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain-of-Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Recovery
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Tuning
- Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Method Blank and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE RECOVERY
No surrogate was used during the analysis.

METHOD BLANK
All criteria were met except 1,2,4-Trichlorobenzene and 1,4-Dichlorobenzene were detected above the MDL, below the reporting limit and are qualified as estimated in MB 200-120276/4 and MB 200-120327/4. Associated samples in which these target analytes were detected above the MDL but below the reporting limit should be reported as undetected at the reporting limit. No further action is required for associated samples in which these target analytes were detected at a level > 5x the blank concentration.

TRIP BLANKS
No trip blank was acquired.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the final volume of sample SV-03-082317 was high upon receipt by TestAmerica. Target analytes in this sample should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

GC/MS TUNING
All criteria were met.

CANISTER CERTIFICATION BLANKS
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#480-127976-1
February 5, 2018
Sampling date: 11/21/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#480-127976-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C) and in accordance with wet chemistry methods.

The temperature of the samples was outside QC limits, low, but was above $0^{o}C$, so no further action is required.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Internal Standards, Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples and MS/MSD.

Sample, SB-5-10.0-10.5-112117 was analyzed using medium soil methods due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the area of 1,4-Dichlorobenzene-d_4 was outside QC limits, low in SB-4S-16.5-20.0-112117. Associated target analytes detected in this sample should be qualified as estimated high. Associated target analytes not detected in this sample should be qualified as estimated.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 1,2-Dichloroethane-d_4 and Toluene-d_8 was outside QC limits, high in SB-4S-16.5-20.0-112117. The %Rec of 4-Bromofluorobenzene was outside ASP QC limits, high in MB 480-389594/2-A. Associated target analytes detected in these samples should be qualified as estimated high.

METHOD BLANK
All the criteria were met except Acetone was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-389870/20-A. Methylene Chloride was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-390221/2-A. These target analytes should be qualified as undetected at the reporting limit, in the associated samples, if they were detected below the reporting limit. These target analytes should be qualified as undetected, in the associated samples, if they were detected between the blank concentration and the reporting limit. These target analytes should be qualified as estimated high, if detected in the associated samples, above the blank concentrations.
An unknown TIC was detected in MB 480-389870/20-A. No further action is required due to the concentration in the blank.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 4-Methyl-2-pentanone was outside QC limits, low in LCS 480-390221/1-A and should be qualified as estimated in the associated samples.

MS/MSD
All criteria were met except the %Rec of 1,1,2,2-Tetrachloroethane and 2-Butanone was outside QC limits, low in SB-5-7.3-8.1-112117MS/MSD. These target analytes should be qualified as estimated in SB-5-7.3-8.1-112117 and SB-5-7.3-8.1-112117MS/MSD.

The %Rec of several target analytes was outside QC limits in SB-5-7.3-8.1-112117MS but within limits in SB-5-7.3-8.1-112117MSD and should be qualified as estimated in SB-5-7.3-8.1-112117MS.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
The %D of several target analytes was outside laboratory QC limits, but within ASP QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

-%Solids

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

%SOLIDS
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#480-128082-1
February 5, 2018
Sampling date: 11/28/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#480-128082-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

The temperature of the samples was outside QC limits, low, but was above $0^{o}C$, so no further action is required.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples and MS/MSD.

Sample, MW-1S-112817 was diluted due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except two TIC's were detected in MB 480-389664/8. No further action is required due to the concentrations in the blank.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Methyl Acetate was outside QC limits, low in LCS 480-389965/5 and should be qualified as estimated in the associated samples.

MS/MSD
All criteria were met except the %Rec of 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Ethyl benzene, Styrene, Tetrachloroethene, Toluene and Trichloroethene was outside QC limits, high in MW-1D-112817MS/MSD. These target analytes should be qualified as estimated in MW-1D-112817 and MW-1D-112817MS/MSD, if detected.
The %Rec of several target analytes was outside QC limits in MW-1D-112817MSD but within limits in MW-1D-112817MS and should be qualified as estimated in MW-1D-112817MSD.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#480-128161-1
February 6, 2018
Sampling date: 11/29/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#480-128161-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

The temperature of the samples was outside QC limits, low, but was above $0^{o}C$, so no further action is required.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Ethyl benzene, Styrene, Tetrachloroethene, Toluene and Trichloroethene was outside QC limits, high in MW-1D-112817MS/MSD. These target analytes should be qualified as estimated in MW-1D-112817 and MW-1D-112817MS/MSD, if detected.
The %Rec of several target analytes was outside QC limits in MW-1D-112817MSD but within limits in MW-1D-112817MS and should be qualified as estimated in MW-1D-112817MSD.

COMPOUND QUANTITATION
All the criteria were met except an unknown TIC was detected in TB-112917. No further action is required due to the concentration in TB-112917.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

United 1hr. Dry Cleaners
TestAmerica, Inc. SDG#480-128223-1
February 6, 2018
Sampling date: 11/30/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Service Group, project located at United 1hr. Dry Cleaners, TestAmerica, Inc. (TestAmerica), SDG#480-128223-1, submitted to Vali-Data of WNY, LLC on January 23, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

The temperature of the samples was outside QC limits, low, but was above $0^{o}C$, so no further action is required.

Samples, K-16-113017, K-25-113017 and K-16-2-113017 were composited due to sediment in the samples.

Sample, MW-4S-113017 was diluted due to high target analyte concentration.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Holding Times, MS/MSD and Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the pH of samples, K-16-113017, K-25-113017 and K-16-2-113017 was outside QC limits and the samples were analyzed outside the 7 day hold time by less than 12 hours. Target analytes in these samples should be qualified as estimated low.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 2-Butanone was outside QC limits, high in LCS 480-391057/5 and LCS 480-391125/5. This target analyte should be qualified as estimated in the associated samples, if detected.

MS/MSD
All criteria were met except the %Rec of 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Ethyl benzene, Styrene, Tetrachloroethene, Toluene and Trichloroethene was outside QC limits, high in MW-1D-112817MS/MSD. These target analytes should be qualified as estimated in MW-1D-112817 and MW-1D-112817MS/MSD, if detected.
The %Rec of several target analytes was outside QC limits in MW-1D-112817MSD but within limits in MW-1D-112817MS and should be qualified as estimated in MW-1D-112817MSD.

COMPOUND QUANTITATION
All the criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

Waste Manifests

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Shipping Document Tracking Number ZZ 00426471

GENERATOR

5. Generator's Name and Mailing Address: PAUL D'ANNIBALE
NYSDEC UNITED 1HR DRY CLEANING
625 Broadway
Albany, NY 12207
Generator's Phone: 518 724-7256

Generator's Site Address (if different than mailing address)
~~170 Columbia Hill Road~~
~~Averill Park, NY 12018~~ 170 Columbia Turnpike
East Greenbush, NY 12061

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: N J D 0 8 0 6 3 1 3 6 9

7. Transporter 2 Company Name: FREEHOLD CARTAGE INC
U.S. EPA ID Number: N J D 0 5 4 1 2 6 1 6 4

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS
4301 INFIRMARY ROAD
WEST CARROLLTON, OH 45449
Facility's Phone: 937 859-6101
U.S. EPA ID Number: O H D 0 9 3 9 4 5 2 9 3

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON-REGULATED MATERIAL, NON-RCRA, NON-DOT	~~5~~ 1	D M	~~2000~~ 200	P	NONE / B
	2. NON-REGULATED MATERIAL, NON-RCRA, NON-DOT	~~1~~ 2	D M	~~250~~ 500	P	NONE / B
	3. NON REGULATED MATERIAL	~~10~~ 2	D M	~~4000~~ 2000	P	NONE / B
	4.					

14. Special Handling Instructions and Additional Information: ER Service Contracted by VESTS

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: [illegible] - NYSDEC
Signature: [signature]
Month: 10 Day: 27 Year: 17

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: CRAIG HINCHMAN
Signature: [signature]
Month: 10 Day: 27 Year: 17

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name: Signature: Month: Day: Year:

GENERATOR / SHIPPER'S INITIAL COPY

PACKING SUMMARY

Generator Number: 646885
NYSDEC UNITED 1HR DRY CLEANING
100 HOSPITAL DR
BENNINGTON, VT 05201-5004
Attn:
EPA ID:

Manifest Number: ZZ00426471
Field System ID: KN
Work Order Number: 2932934000
Date Shipped: 10/27/2017

Container#: KN-2932934000-002 Waste Area: Manifest Page/Line: 01 / 1

WIP: 173155 DisposalCode: SRRLFLIQ-NH PHY State: L

Date Accumulated: 10/27/2017 Gen Drum ID:

Shipping Name: NON-REGULATED MATERIAL, NON-RCRA, NON-DOT.

No. of Commons: ~~07~~ 5 Outer Container: 551A1-DM Inner Container:

Primary Waste Codes: NONE,B PCB Serial #: OOS Date: / /

Total Cmns Wt: ~~2800~~ 2000 SIC: 8711 Source: G09 Form: W119 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 400, 400, 400, 400, 400, 400, 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		WATER [100%]	NONE, B

Container#: KN-2932934000-003 Waste Area: Manifest Page/Line: 01 / 2

WIP: 173145 DisposalCode: SRRLFSOLID-NH PHY State: S

Date Accumulated: 10/27/2017 Gen Drum ID:

Shipping Name: NON-REGULATED MATERIAL, NON-RCRA, NON-DOT.

No. of Commons: ~~02~~ 01 Outer Container: 551A2-DM Inner Container:

Primary Waste Codes: NONE,B PCB Serial #: OOS Date: / /

Total Cmns Wt: ~~500~~ 250 SIC: 8711 Source: G07 Form: W409 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 250, 250 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		PPE [100%]	NONE, B

Container#: KN-2932934000-001 Waste Area: Manifest Page/Line: 01 / 3

WIP: 173144 DisposalCode: SRRLFSOLID-NH PHY State: S

Date Accumulated: 10/27/2017 Gen Drum ID:

Shipping Name: NON REGULATED MATERIAL

No. of Commons: ~~07~~ 10 Outer Container: 551A2-DM Inner Container:

Primary Waste Codes: NONE,B PCB Serial #: OOS Date: / /

Total Cmns Wt: ~~2800~~ 4000 SIC: 8711 Source: G49 Form: W301 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 400, 400, 400, 400, 400, 400, 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		SOIL [100%]	NONE, B

Activity Report

JOB NO: 2932934000 WO NO: 2932934000
BILL DOC NO KN71027301 EPA ID:
GENERATOR NO 646885

BILL TO: O'BRIEN & GERE ENGINEERS INC.
333 West Washington Street
Syracuse, NY 13202

JOB SITE: NYSDEC UNITED 1HR DRY CLEANING
170 Columbia Hill Road
Averill Park, NY 12018
(518) 724-7256

CONTACT:

CONTACT:

MANIFEST NUMBER(S):
ZZ00426471

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		10/27/2017	NY1

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # ZZ00426471 WIP 173155 / Approval SRRLFLIQ-NH NON HAZ WATER	~~7~~ 5	551A1-DM	~~2800~~ 2000	P	1 / 1	
Manifest # ZZ00426471 WIP 173145 / Approval SRRLFSOLID-NH NON HAZ PPE	~~2~~ 1	551A2-DM	~~500~~ 250	P	1 / 2	
Manifest # ZZ00426471 WIP 173144 / Approval SRRLFSOLID-NH NON-HAZARDOUS SOIL	~~7~~ 10	551A2-DM	~~2800~~ 4000	P	1 / 3	

Total Hours: 0
# of Containers: 16
Total Pounds: 6100

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Activity Report

JOB NO: 2932934000 WO NO: 2932934000
BILL DOC NO KN71027301 EPA ID:
GENERATOR NO 646885

BILL TO: O'BRIEN & GERE ENGINEERS INC.
333 West Washington Street
Syracuse, NY 13202

JOB SITE: NYSDEC UNITED 1HR DRY CLEANING
170 Columbia Hill Road
Averill Park, NY 12018
(518) 724-7256

CONTACT:

CONTACT:

MANIFEST NUMBER(S):
Non-Disposals

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		10/27/2017	NY1

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
10/27/2017 Manpwr.- MATERIAL PICK-UP CHARGE		989	1@1	EACH	/	
10/27/2017 Manpwr.- SUPERVISOR & ONE TECHNICAL ASSISTANT		305	1@1	HOUR	/	
10/27/2017 Misc. - STATE REGULATORY FEES		4419	1	EACH	/	
10/27/2017 Misc. - FUEL & SECURITY SURCHARGE		5422	12.5	PERCNT	/	

Total Hours: 1

Comments:

Signature: Sarah Travaly as an agent of NYSDEC

Print Name: Sarah Travaly as an agent of NYSDEC

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	NYCESQG	1	(877) 318-0087	ZZ 00464929

GENERATOR

5. Generator's Name and Mailing Address: NYSDEC DIVISION OF ENVIRONMENTAL REMEDIATION/SSD 1HR DRY CLEANING
625 Broadway
Albany, NY 12207
Generator's Phone: 518 724-7256

Generator's Site Address (if different than mailing address)
170 Columbia Turnpike
Rensselaer, NY 12144

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS — U.S. EPA ID Number: NJD083136139

7. Transporter 2 Company Name: FREEHOLD CARTAGE INC — U.S. EPA ID Number: NJD054126164

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS
4301 INFIRMARY ROAD
WEST CARROLLTON, OH 45449
Facility's Phone: 937 859-6101 — U.S. EPA ID Number: OHD093945293

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON-REGULATED MATERIAL, NON-RCRA, NON-DOT	2	DM	400	P	NONE
	2. NON-REGULATED MATERIAL, NON-RCRA, NON-DOT	1	DM	200	P	NONE
	3. NON REGULATED MATERIAL	2	DM	700	P	NONE
	4.					

14. Special Handling Instructions and Additional Information: ER Service Contracted by VESTS

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Timothy M. on behalf of NYSDEC — Signature: [signature] — Month: 01 — Day: 08 — Year: 18

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: CRAIG HINCHMAN — Signature: [signature] — Month: 01 — Day: 08 — Year: 18

Transporter 2 Printed/Typed Name: — Signature: — Month: — Day: — Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: — Day: — Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name: — Signature: — Month: — Day: — Year:

GENERATOR / SHIPPER'S INITIAL COPY

PACKING SUMMARY

Generator Number: 646885
NYSDEC UNITED 1HR DRY CLEANING
170 Columbia Turnpike
Rensselaer, NY 12144
Attn: PAUL D'ANNIBALE
EPA ID: NYCESQG

Manifest Number: ZZ00464929
Field System ID: KN
Work Order Number: 2942594000
Date Shipped: 01/08/2018

Container#: KN-2942594000-003 Waste Area: Manifest Page/Line: 01 / 1

WIP: 173155 DisposalCode: SRRLFLIQ-NH PHY State: L

Date Accumulated: 01/08/2018 Gen Drum ID:

Shipping Name: NON-REGULATED MATERIAL, NON-RCRA, NON-DOT.

No. of Commons: 02 Outer Container: 551A2-DM Inner Container:

Primary Waste Codes: NONE PCB Serial #: OOS Date: / /

Total Cmns Wt: 800 SIC: 8711 Source: G09 Form: W119 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 400, 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		WATER [100%]	NONE

Container#: KN-2942594000-002 Waste Area: Manifest Page/Line: 01 / 2

WIP: 173145 DisposalCode: SRRLFSOLID-NH PHY State: S

Date Accumulated: 01/08/2018 Gen Drum ID:

Shipping Name: NON-REGULATED MATERIAL, NON-RCRA, NON-DOT.

No. of Commons: 01 Outer Container: 551A2-DM Inner Container:

Primary Waste Codes: NONE PCB Serial #: OOS Date: / /

Total Cmns Wt: 400 SIC: 8711 Source: G07 Form: W409 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 1 @ 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		PPE [100%]	NONE

Container#: KN-2942594000-001 Waste Area: Manifest Page/Line: 01 / 3

WIP: 173144 DisposalCode: SRRLFSOLID-NH PHY State: S

Date Accumulated: 01/08/2018 Gen Drum ID:

Shipping Name: NON REGULATED MATERIAL

No. of Commons: 02 Outer Container: 551A2-DM Inner Container:

Primary Waste Codes: NONE PCB Serial #: OOS Date: / /

Total Cmns Wt: 800 SIC: 8711 Source: G49 Form: W301 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 400, 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		SOIL [100%]	NONE

Activity Report

JOB NO: **2942594000** WO NO: **2942594000**
BILL DOC NO **KN19892704** EPA ID: **NYCESQG**
GENERATOR NO **646885**

BILL TO: **O'BRIEN & GERE ENGINEERS INC.**
333 West Washington Street
Syracuse, NY 13202

JOB SITE: **NYSDEC UNITED 1HR DRY CLEANING**
170 Columbia Turnpike
Rensselaer, NY 12144
(518) 724-7256

CONTACT:

CONTACT: **PAUL D'ANNIBALE**

MANIFEST NUMBER(S):
ZZ00464929

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		01/08/2018	NY1

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # ZZ00464929 WIP 173155 / Approval SRRLFLIQ-NH NON HAZ WATER	2	551A2-DM	800	P	1 / 1	
Manifest # ZZ00464929 WIP 173145 / Approval SRRLFSOLID-NH NON HAZ PPE	1	551A2-DM	400	P	1 / 2	
Manifest # ZZ00464929 WIP 173144 / Approval SRRLFSOLID-NH NON-HAZARDOUS SOIL	2	551A2-DM	800	P	1 / 3	

Total Hours: **0**

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Activity Report

JOB NO: 2942594000 WO NO: 2942594000
BILL DOC NO KN19892704 EPA ID: NYCESQG
GENERATOR NO 646885

BILL TO: O'BRIEN & GERE ENGINEERS INC.
333 West Washington Street
Syracuse, NY 13202

JOB SITE: NYSDEC UNITED 1HR DRY CLEANING
170 Columbia Turnpike
Rensselaer, NY 12144
(518) 724-7256

CONTACT:

CONTACT: PAUL D'ANNIBALE

MANIFEST NUMBER(S):
Non-Disposals

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		01/08/2018	NY1

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
01/08/2018 Manpwr.- SUPERVISOR & ONE TECHNICAL ASSISTANT		305	1@1	HOUR	/	
01/08/2018 Misc. - STATE REGULATORY FEES		4419	1	EACH	/	
01/08/2018 Misc. - ENERGY & SECURITY SURCHARGE		3129	1	PERCNT	/	

Total Hours: 1

Comments:

Signature: [signature] as an agent of NYSDEC

Print Name: Sarah Travaly as an agent of NYSDEC

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.