CONSTRUCTION COMPLETION REPORT

for

990-1026 Rossville Avenue
Staten Island, New York 10309
Block 7054, Lot 518
NYSDEC BCP Site No. C243043

Prepared For:

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19 May 2023
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LANGAN

CERTIFICATION

I, Stewart H. Abrams, P.E., certify that I am currently a NYS-registered professional engineer and that this Construction Completion Report was prepared in accordance with all applicable statues and regulations and in substantial conformance with the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation. I certify that all activities were performed in full accordance with the DEC-approved Interim Remedial Measure Work Plan (IRMWP).

5/19/23

NYS Professional Engineer #078833 Date Stamp/Signature

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1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Construction Completion Report (CCR) on behalf of Allied Rossville LLC (the Participant) for the property at 990-1026 Rossville Avenue in Staten Island, New York (the site). Allied Rossville LLC is participating in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) as identified in the executed Brownfield Cleanup Agreement dated 10 August 2020. The Site is identified in the BCP as Site No. C243043.

This CCR documents implementation of Langan's Interim Remedial Measures Work Plan (IRMWP), dated 18 January 2021 and approved by NYSDEC on 21 January 2021. The following interim remedial measures (IRM) were completed:

1. Implementation of a site-specific Construction Health and Safety Plan (CHASP) for the protection of on-site remediation workers and the nearby community during remediation activities;
2. Design and installation of a soil vapor intrusion (SVI) mitigation system;
3. Performance of confirmatory testing to determine the effectiveness of the mitigation system.

This CCR also includes an Interim Site Management Plan (ISMP) for the ongoing operation, maintenance, and monitoring (OM&M) of the sub-slab depressurization system (SSDS).

2.0 SITE BACKGROUND

2.1 Site Description

The site is located in the Rossville section of Staten Island, New York. Lot 518 is located on Block 7054 on the existing New York City Tax Map. A Site Location Map is provided as Figure 1. The site is an approximately 66,700-square foot parcel and is bound to the north by three residential buildings, to the east by Rossville Avenue followed by a mixed-use residential/commercial building and a residential building, to the south by Grafe Street followed by a town-house complex, and to the west by asphalt-paved recreational space associated with a town-house complex. The site contains an approximately 25,800-square foot one-story shopping center that is currently occupied by a vacant former dry cleaner, liquor store, beauty salon, taekwondo school, ice cream parlor, grocery store, Chinese restaurant, bagel shop, laundromat, pizzeria, and a vacant former restaurant. A cellar is located beneath the grocery store in the northwestern corner of the shopping center. The remaining portions of the site consists of an asphalt-paved parking lot in the southeastern portion of the site and an access road for deliveries along the western and northern perimeters of the site. A Site Plan is provided as Figure 2.

2.2 Site History

The site is currently and has historically been operated as a commercial property since approximately 1990. Prior to commercial use, the subject property was generally vacant except for miscellaneous and/or residential buildings identified in the years 1910, 1917, and 1937. Kariss French Cleaners, a former on-site dry cleaning facility, operated on the subject property since the building was constructed circa 1990 until vacating the space in July 2022.

2.3 Site Physical Conditions

According to the United States Geological Survey (USGS) Arthur Kill Quadrangle 7.5-minute Series Topographic Map, the existing site grade is approximately el 52 North American Vertical Datum of 1988 (NAVD88) and is generally level, aside from a downward slope in the parking lot towards the shopping center. The surrounding area to the northwest of the shopping center generally slopes down towards the Arthur Kill, which is located approximately 1,700 feet to the northwest of the Site.

2.3.1 Geologic Conditions

According to the USGS Mineral Resources Online Spatial Data Viewer and the "Geologic and Geohydrologic Reconnaissance of Staten Island, New York" prepared by Julian Soren in 1988, soft bedrock underlying the Site is part of the Upper Cretaceous Raritan Formation. The upper clay member of the Raritan Formation is characterized by white, light- to dark-gray, and red beds and lenses of clay, silt, and sand. The Upper Cretaceous Raritan Formation at the Site is shown on the maps as overlain by unconsolidated Upper Pleistocene deposits associated with the Wisconsinan glacial advance. This material is identified as ground moraine, which is characterized by a reddish-brown clayey till.

Based on subsurface observations made during the 2020 SI and the 2021 RI, subsurface conditions consist of an approximately 0- to 5-foot-thick fill layer which is underlain by an approximately 5- to 25-foot-thick layer of alternating clay and dense silty sands with lenses of sand, silt and/or gravel throughout. The clay/silty sand unit is underlain by an approximately 0.5- to 15-foot-thick layer of reddish sand, followed by reddish clays, silts, and sands. Deep ground moraine material consisting of a reddish clay extending to between 37 and 40 feet bgs, followed by a 10 to 13 feet thick reddish brown to brown sand layer encountered between 37 and 40 feet bgs, followed by a 20 to 25 feet thick reddish brown to orange clay layer encountered between 45 to 75 feet bgs. A 20 feet thick reddish brown sand layer was encountered between 70 to 90 feet bgs that was underlain by a gray clay identified as the Raritan Formation that continued to a depth of 120 feet bgs at LSB-1.

2.3.2 Hydrogeology

Groundwater was measured between el 32.04 to el 47.8 feet NAVD88 (between 3.68 and 6.82 feet bgs) in shallow groundwater monitoring wells within the upper groundwater aquifer and between el 28.78 to el 44.37 (between 7.31 and 23.29 feet bgs) in deep groundwater monitoring wells in the lower aquifer. Based on subsurface observations in the soil borings, the vadose zone on-Site ranges in depth between 9 and 25 feet bgs. Due to the presence of a confining layer consisting of clay and dense silty sands within the shallow subsurface and the resultant hydrostatic pressure observed in the upper groundwater aquifer, groundwater elevations measured in the monitoring wells are higher than the static elevation of the upper groundwater aquifer. This conclusion was later supported by observations made during the installation of the SSDS when trenches were dug 6-inches below the bottom of the cellar slab at a depth of approximately 10.5 feet below site grade and did not penetrate the confining layer, and no saturated soil was observed.

Based on measured groundwater elevations, groundwater flow in the upper aquifer is to the northwest towards the Arthur Kill and to the west northwest in the lower aquifer. The difference in flow direction for the two aquifers may be attributed to the presence of clays in the upper confining aquifer, as evidenced by the irregular groundwater flow directions and mounding observed at shallow monitoring wells installed within the vicinity of the western Site boundary. Localized groundwater flow is also influenced by silty sands with lenses of sand, silt and/or gravel identified within the shallow clay material, which may be creating pathways for groundwater to travel in an inconsistent manner.

2.4 Previous Environmental Reports and Investigation Summary

Langan reviewed available environmental reports historically prepared for the site:

- *Phase I Environmental Site Assessment (ESA)* prepared by EBI Consulting (EBI), dated 25 September 2019; and,
- *Phase II ESA,* prepared by EBI dated 28 October 2019.
- *Subsurface Investigation Report (SIR)* prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C., dated March 2020;
- *BCP Application* prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C., dated 11 March 2020;
- *BCA* prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C., dated 10 August 2020;

- *Interim Remedial Measures Work Plan (IRMWP)* prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C., dated 6 March 2020, revised 18 January 2021;

- *Remedial Investigation Work Plan (RIWP)* prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C., dated 11 September 2020, revised 27 January 2021;

- *Draft Remedial Investigation Report (RIR)* prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C., dated 4 February 2022;

- *Draft Supplemental Remedial Investigation Work Plan (SRIWP)* prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C., dated 13 September 2022.

- *Draft Remedial Action Work Plan (RAWP)* prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C., dated 27 January 2023.

Previous reports were discussed in detail in Section 1.4.2.

The October 2019 Phase II ESA Report prepared by EBI identified elevated concentrations of the dry cleaning solvent tetrachloroethene (PCE) in groundwater and soil vapor below and in the vicinity of the on-site dry cleaner within the western portion of the shopping center. Langan completed a subsurface investigation in January and February 2020 which also identified elevated concentrations of PCE and its daughter products in soil, groundwater, indoor air, and/or soil vapor. In particular, the indoor air/sub-slab soil vapor and exterior soil vapor analytical results revealed that chlorinated volatile organic compound (CVOC) impacts in soil vapor at concentrations that would require mitigation are limited to the western portion of the site, including adjacent to the grocery store in the northwest corner of the building and beneath and adjacent to the former dry cleaner, liquor store, hair salon, karate studio, and ice cream parlor along the western portion of the building.

Based on these results, a SSDS pilot test was completed by Langan on 23 January 2020, during which sub-slab characteristics and the design criteria of the full-scale SSDS, including the air intrinsic permeability of the sub-slab mitigation area, were determined. Pneumatic modeling using data collected during the pilot testing determined an estimated effective radius of influence (ROI) of 15 feet at each SSDS mitigation point, assuming an air extraction flow rate and wellhead vacuum at each extraction well of approximately 30 standard cubic feet per minute (scfm) and

35 inches water column (IWC), respectively. SSDS pilot test and modeling results are included as Appendix A.

Based on the proposed mitigation area and the estimated ROI of each mitigation point, Langan designed a SSDS consisting of a dual blower configuration, each capable of 475 scfm at 45 IWC at the blower inlet, and installation of 29 vapor extraction pits (VEPs) located throughout the western portion of the building. Both the results of the pilot test and the design of the SSDS were provided in the March 2020 IRMWP.

The IRMWP also included the development and implementation of a site-specific Construction Health and Safety Plan (CHASP), installation, and confirmatory testing of the SSDS as designed, and preparation of a CCR. Following system installation, vacuum monitoring was completed during system startup and one month following system startup. In addition, the IRMWP details the proposed collection of indoor air, sub-slab soil vapor, and effluent air samples one month following system startup to confirm system effectiveness within the mitigated tenant spaces and to assess soil vapor and indoor air conditions within the unmitigated tenant spaces.

The IRMWP was submitted to NYSDEC concurrently with a BCP Application and Subsurface Investigation Report in March 2020. The BCA was executed on 10 August 2020 and the IRMWP was approved by NYSDEC on 21 January 2021.

Following acceptance into the BCP, in addition to the SSDS installation activities, a RIWP was prepared and approved by NYSDEC and a Remedial Investigation (RI) was completed to assess the extents of the on-site and potential extents of the off-site impacts. A Remedial Investigation Report dated 4 February 2022 was prepared by Langan for the Participant to document the Remedial Investigation completed in accordance with the RIWP. The findings of the RI are discussed in the RIR and are not reiterated herein. However, of particular note, the off-Site soil vapor investigation completed as part of the RI did not identify off-Site impacts that would require monitoring or mitigation if detected as part of a soil vapor intrusion evaluation per the NYSDOH guidance values at any off-Site soil vapor sample locations. Low levels of petroleum-related VOCs were identified in off-Site soil vapor samples; however, petroleum-related VOCs were not detected at concentrations exceeding NYSDEC threshold values in soil or groundwater at the Site, therefore concentrations in soil vapor may be attributable to an unidentified off-Site source.

A Supplemental RI (SRI) was completed in 2022 to delineate the presence of CVOCs at boring location LSB-1 at 2.5 to 3 feet bgs in the vadose zone, to the west of the former dry cleaner. The results of the SRI was used to refine the extents of the soil remedy. The January 2023 draft RAWP proposes to address on-site soil and groundwater impacts via excavation; injection of Zero Valent Iron (ZVI), carbon substrate, sulfate and ferrous iron salt, and bioaugmentation culture for

in-situ treatment of groundwater; groundwater monitoring to evaluate the long-term effectiveness of the in-situ treatment; land use restrictions; and long-term management of engineering and institutional controls, including the performance of periodic inspections and certification that the controls are performing as they were intended.

3.0 SUMMARY OF REMEDIAL MEASURES

The primary objectives of the IRM were:

1. Implementation of a site-specific CHASP for the protection of on-site remediation workers and the nearby community during remediation activities;
2. Installation of a SVI mitigation system; and
3. Performance of confirmatory testing to determine the effectiveness of the mitigation system.

The IRM was implemented in accordance with the IRMWP between 19 April 2021 and 23 March 2022.

Daily activities were recorded in site observation reports, which are included as Appendix B. A photographic log is included as Appendix C.

3.1 Consultant and Contractors

Langan was the remedial engineer responsible for system design, submittal review, field documentation, collection of remedial performance samples, evaluation of system performance, and analytical data validation. The following contractors implemented the work under Langan's oversight:

Contractor	Address	Responsibilities
Pennington Environmental	PO Box 1314 Cherry Hill, NJ 08003	General Construction Contractor Installation of above-grade and below-grade SSDS components, system startup, pressure/ vacuum testing
Tanachion Electrical Contracting, Inc.	PO Box 140639 Staten Island, NY 10314	Electrical Contractor Installation of electrical SSDS components
Gasho, Inc.	460 West Gay Street West Chester, PA 19380	Equipment Fabrication Contractor Manufacturing and remote troubleshooting of SSDS process equipment
Lennie Construction Corporation	1590 Richmond Terrace Staten Island, NY 10310	Steel Dunnage Fabricator Manufacturing and installation of rooftop steel dunnage structure
Alpha Analytical, Inc.	320 Forbes Boulevard Mansfield, MA 02048	Laboratory Contractor Analysis of soil vapor and indoor air samples

3.2 Sub-Slab Depressurization System

The SSDS design parameters were based on data collected during the January 2020 pilot test and subsequent subsurface pneumatic modeling. The minimum ROI at each depressurization pit was determined to be 15 feet with an airflow rate of 30 scfm at 35 IWC. Two Rotron® DR909 Regenerative Blowers were selected, each capable of 475 scfm at 45 IWC. The SSDS was designed in accordance with EPA guidance[1], NYSDOH guidance[2], and NYC Mechanical Code MC 512 Sub-Slab Exhaust Systems, NYC Local Law 2009/071. The SSDS is comprised of twenty-nine VEPs, sixteen vacuum monitoring points (VMPs), two Rotron® DR909 Regenerative Blowers, one Solberg® CSL Series 3-inch to 12-inch Inlet Vacuum Filter, a control panel, a dilution valve, a relief valve, a weather/sound enclosure, and associated instrumentation. A metal discharge pipe with a rain cap was installed to exhaust effluent air. The discharge point is located above the surface of the roof and at least 10 feet away from any HVAC air intakes. The SSDS Well Manifold Layout is included as Figure 3.

3.2.1 SSDS Installation

Subgrade, Interior Elements

In April and May 2021, Pennington Environmental (Pennington) installed the interior elements of the SSDS. Pennington used a compressed-air-powered walk-behind concrete saw and jackhammer to selectively demolish the concrete slab at the proposed VEP and trench locations within the target mitigation area. Pennington excavated twenty-nine VEPs pits measuring approximately 10 inches in diameter and 10 inches deep. The pits were backfilled using Sakrete® All-Purpose Gravel, a commercial product (Specifications and Safety Data Sheet [SDS] for Sakrete® All-Purpose Gravel is included as Appendix D) and a 4-inch schedule 40 (SCH40) polyvinyl chloride (PVC) extraction point was placed at the top of each pit (either vertically or horizontally).

Pennington also excavated trenches measuring approximately 10-inches wide by 6-inches deep below the building slab in order to install horizontal below grade individual VEP well-lines that were constructed of 2-inch-diameter SCH40 PVC. The well-lines were routed towards the nearest building wall before turning vertically and extending above the building slab. The trenches were then backfilled using Sakrete® All-Purpose Gravel and the concrete building slab was restored at

[1] EPA/600/R-08-115 October 2008 Indoor Air Vapor Intrusion Mitigation Approaches; EPA/625/R-93/011 October 1993 Technical Guidance for Active Soil Depressurization Systems; and EPA/625/R-92/016 - June 1994 Radon Prevention in the Design and Construction of Schools and Other Large Buildings.

[2] Guidance for Evaluating Soil Vapor Intrusion in the State of New York (2006), with updates.

each trench or VEP location. Additionally, a grout sealant was used around all vertical pipe penetrations.

Once through the building slab, each VEP or well-line was transitioned to a 2-inch SCH40 black steel well-line riser. Each well-line riser was then routed vertically and either penetrates through the roof or was manifolded with several other VEP well-line risers within the building space prior to penetrating the roof. Horizontal sub-header manifold piping within the building was constructed of 4-inch SCH40 black steel sub-header lines that were secured with pipe hangers installed at an approximate 10-foot spacing along the building ceiling. The sub-header line was then routed vertically and penetrated the roof.

Concrete debris generated from VEP and trenching excavation activities was stockpiled on, and covered with, plastic sheeting and temporarily stored in the western part of the site prior to off-site disposal. Soil excavated was containerized in an appropriately labeled 55-gallon drum for characterization and future off-site disposal.

Sixteen sub-slab soil vacuum monitoring points (VMPs) were installed within the target mitigation area to monitor the vacuum field generated below the slab. Each VMP was installed by using a hammer drill to drill a 1 ¼-inch-diameter borehole to 1 ½-inches below the top of the slab. The remaining borehole was completed by drilling ¼-inch-diameter hole through the concrete slab to a depth of about three inches into the underlying soil. The sampling point was then completed with a clay and grout seal. The points were finished with a protection flush-mount cover. As-built VMP construction details are provided in Appendix E.

Exterior Elements

As part of the SSDS, a rooftop dunnage structure was designed in order to support the weight of the rooftop process equipment. After completing the majority of the interior work, Langan and Pennington temporarily demobilized from the site on 28 May 2021 until a New York City Department of Buildings permit was issued for rooftop dunnage work in August 2021.

In September 2021, Langan, Pennington, and the Lennie Construction Corporation (Lennie), the steel fabricator, completed a site walk in preparation for SSDS process equipment installation. Lennie procured the rooftop dunnage materials, and began off-site fabrication of the dunnage.

In October and November 2021, the rooftop dunnage structure, SSDS process equipment, and the exterior rooftop-mounted SSDS piping were installed. At the roof level, the VEP well-line risers from the tenant spaces outside of the grocery store were manifolded into a single 4-inch SCH40 PVC sub-header line, which runs horizontally along the roof of the building to the process equipment. The two sub-header lines that penetrated the roof through the grocery store also run horizontally along the roof of the building towards the roof-mounted process equipment. All sub-

header piping and manifold connections were secured through the use of pipe brackets installed at an approximate 10-foot spacing along the roof. Each 4-inch diameter sub-header line connected to a 6-inch SCH40 PVC main header line, which was subsequently connected to the roof-mounted process equipment. All exterior piping was equipped with insulation in March 2022 to prevent freezing of any condensate that may accumulate in the piping above the roof level.

Electrical Connections and Initial Shakedown/Startup

In December 2021 and January 2022, Tanachion Electrical Contracting, Inc. (Tanachion), a New York City licensed electrician, completed the electrical connections for the SSDS process equipment and alarms in accordance with state and local building codes. Pennington installed vacuum gauges and sample ports on the vertical well-line risers and initial shakedown/startup activities were performed. Alarm checks, leak testing, smoke testing, and leak repairs were completed. Any observed preferential pathways (e.g., cracks and voids) in the target mitigation area were sealed using hydraulic cement to prevent soil vapor intrusion or short-circuiting of the SSDS.

The system was fully operational as of 23 March 2022. As-built drawings for the SSDS design and construction details are shown in Appendix E.

3.2.2 SSDS Communication and Start-up Testing

Langan completed start up testing and also inspected accessible SSDS components on 23 March 2022. The inspection verified that mechanical and electrical connections for the SSDS were complete and system specifications had been met. A visual inspection was also performed to check for damage and defects.

Langan performed a communication test to document depressurization field extension throughout the target mitigation area after SSDS start-up. Differential pressure measurements were collected using a TSI 9565 Velocicalc Handheld Digital Air Velocity Meter at VMPs throughout the target mitigation area. Differential pressure measurements indicated that the floor slab is depressurized throughout the entire SSDS target mitigation area (i.e., a vacuum was observed at each location), though the differential pressures measured at VMP-1 (0.009 IWC), VMP-5 (0.002 IWC), VMP-8 (0.003 IWC), VMP-9 (0.003 IWC), VMP-10 (0.004 IWC), VMP-11 (0.003 IWC), and VMP-16 (0.002 IWC) were less than the target vacuum of 0.015 IWC established in the IRMWP. The results of the communication test are provided in Appendix A. The system was optimized following system startup, during the one-month post-startup event in April 2022 discussed below, and at each of the subsequent seven OM&M events completed to date in May, June, July, August, September, and October 2022 and January 2023 discussed in Section 3.6 to increase vacuum at the low-vacuum locations. It should be noted that following system balancing

and optimization, vacuum readings at all VMPs, with the exception of VMP-16, have all reached the target vacuum of 0.015 IWC. Attempts to optimize the system by partially closing the nearby vertical well-line risers in the area of but not immediately adjacent to VMP-16 to increase the vacuum readings at that location were made throughout 2022 and 2023, and these efforts are discussed below in Section 3.6 and will be summarized in the reporting discussed in Section 4.3.

3.2.3 One-Month Post-Startup Soil Vapor & Indoor Air Sampling

On 18 April 2022, after 26 days of continuous SSDS operation, sub-slab soil vapor and indoor air samples were collected throughout both the mitigated and unmitigated areas of the building. Samples were analyzed for CVOCs. A sample summary is provided as Table 1. The sampling event and analytical results are discussed in detail in Section 3.5 and are shown on Table 2 and Table 3.

3.2.4 SSDS Operation, Maintenance, and Monitoring

OM&M of the SSDS, which includes everyday operation, site checks/inspections, routine (scheduled) or unscheduled maintenance, and field monitoring, has been ongoing since 23 March 2022. The findings for the six monthly events and one quarterly event completed to date (May, June, July, August, September, and October 2022 and January 2023) and any unscheduled maintenance activities are summarized in Section 3.6 below and will be summarized in the reporting discussed in Section 4.3.

An Interim Site Management Plan (ISMP) that summarizes protocols to operate, maintain, and monitor the system was prepared by Langan, and a hard copy of the ISMP is stored on-site for ease of access during on-site monitoring and maintenance events. The ISMP is provided in Section 4.0 of this CCR.

3.3 Waste Management, Characterization, and Off-Site Disposal

One 55-gallon steel drum containing soil (i.e., cuttings from VEP and VMP installation, and trench excavation spoils) was generated during IRMWP implementation. This drum was then used to also contain cuttings from the 2021 RI and was subsequently characterized (along with the six remaining RI soil cuttings drums) as hazardous for PCE. The drums were transported and disposed of off-site at Republic Environmental Systems, LLC of Hatfield, Pennsylvania (PAD085690592) on 5 October 2022. Hazardous waste was disposed of under USEPA Generator ID NYR000257857.

Waste disposal documentation is included in Appendix F.

3.4 Dust, Odor, Vapor, and Nuisance Control

Dust, odor, organic vapor, and nuisance control during project work was developed in accordance with the NYSDOH Special Requirements CAMP for Indoor Work with Co-Located Residences or Facilities and Occupational Safety and Health Administration (OSHA) standards for construction (29 Code of Federal Regulations [CFR] 1926). Ground-intrusive activities (excluding backfill of gravel) during IRWMP implementation were continuously monitored for dust, odors, and VOCs by a Langan representative. Continuous monitoring at the work zone for odor, total VOCs, and dust was required during ground-intrusive work such as soil excavation and handling. The work zone was defined as the general area in which machinery is operating in support of remediation.

Prior to any indoor ground-intrusive work, background readings in the occupied spaces were taken and the locations of all exhaust vents, discharge points, and potential vapor pathways (e.g., openings, conduits, etc.) from the tenant space where work was being completed were identified. During ground-intrusive work, Langan conducted continuous air monitoring at locations relative to the work area(s). Air quality monitoring was conducted for VOCs and particulate matter less than 10 micrometers in size (PM10), and in accordance with the NYSDOH Generic CAMP and Special Requirements Community Air Monitoring Plan (CAMP) for Indoor Work with Co-Located Residences or Facilities.

Total VOCs were monitored with a hand-held PID. CAMP action levels for VOCs were not exceeded during the entirety of the subgrade element installation activities. The following actions were however taken as needed based on visual observations and measured dust levels using a quantitative meter:

- If the work zone particulate level was 100 µg/m^3 greater than background for the 15-minute period or if airborne dust was observed leaving the work area, then dust suppression was employed. Work continued with dust suppression techniques provided that work zone particulate levels did not exceed 150 µg/m^3 above the background level and provided that no visible dust was migrating from the work area.
- If, after implementation of dust suppression techniques, work zone particulate levels or the particulate levels measured at the walls or intake vents of the tenant space where work was occurring was greater than 150 µg/m^3 above the background level, work was stopped and a re-evaluation of activities initiated. Work resumed provided that dust suppression measures and other controls are successful in reducing the work zone particulate concentration to within 150 µg/m^3 of the background level and in preventing visible dust migration.

Copies of the CAMP data are included in Appendix G.

3.5 One-Month Post-Startup Soil Vapor & Indoor Air Sampling

Langan collected indoor air and sub-slab soil vapor samples on 18 April 2022, 26 days following system start-up.

A NYSDOH Indoor Air Quality Questionnaire and Building Inventory was completed as per the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion sampling protocols to document the potential presence of equipment or chemicals in and around the building that could interfere with the laboratory analytical results. The building was screened using an RKI GX-6000 ppb-range PID to identify potential sources of organic vapors that may interfere with sampling. Sampling notes and a complete NYSDOH questionnaire are included as Appendix H.

Following field screening, twenty-two indoor air samples (IA01_041822 through IA22_041822) and eleven sub-slab soil vapor samples (SV01_041822 through SV11_041822) were collected concurrently.

In accordance with the Quality Assurance Project Plan (QAPP), two indoor air samples were collected from each of the tenant spaces on-site, with the exception of the grocery store where four indoor air samples were collected (two in the basement and two on the first floor), and the dry cleaner where no indoor air samples were collected. Two duplicate indoor air samples (IADUP01_041822 and IADUP02_041822) and one outdoor ambient air sample (AA01_041822) were also collected for quality assurance/quality control (QA/QC) purposes. The samples were collected using laboratory-provided, batch-certified clean 6-liter Summa® air canisters equipped with 8-hour sample interval flow controllers. Samples were set at about 3 to 4 feet above the ground surface in the basement or first floor at their respective locations.

One sub-slab soil vapor sample was collected from each of the tenant spaces on-site, both within the SSDS footprint and in the unmitigated portions of the building. The soil vapor samples were collected from the basement or first floor of the tenant spaces at either the existing VMPs in the mitigated portions of the site, or by installing a temporary sub-slab soil vapor point in the unmitigated portions of the site. Each of the temporary sub-slab soil vapor points were installed via drilling a ½-inch hole through the slab of each of the tenant spaces using a Bosch hammer drill and inserting dedicated Teflon-lined polyethylene tubing to below the bottom of the approximately 6-inch thick slab.

Leak detection tracer tests were performed at all sub-slab soil vapor sampling points, existing or temporary, prior to beginning soil vapor sampling. Each sub-slab soil vapor sampling point was tightness tested using the helium tracer gas method and purged at a flow rate of <200-ml per minute. No evidence of helium breakthrough (i.e., helium concentrations above 5%) was observed in any of the sample locations before sample collection.

One system effluent vapor sample (SVE01_OUT_041822) was also collected to assess the air quality of system effluent and confirm compliance with the NYSDEC Policy Division of Air Resources (DAR)-1: Guidelines for the Control of Toxic Ambient Air Contaminants. The effluent air sample was collected from the exhaust associated with the SSDS during active extraction.

One duplicate sub-slab soil vapor sample (SVDUP01_041822) and one duplicate system effluent vapor sample (SVEDUP01_OUT_041822) were also collected for QA/QC purposes in accordance with the QAPP.

All soil vapor and effluent samples were collected using laboratory-provided, batch-certified clean 6-liter Summa® air canisters equipped with 2-hour sample interval flow controllers.

The indoor air, soil vapor, and effluent samples were submitted under chain of custody to Alpha Analytical Laboratories (Alpha), a NYSDOH ELAP-certified laboratory in Westborough, Massachusetts (ELAP No. 11148), and analyzed for CVOCs via United States Environmental Protection Agency (USEPA) Method TO-15.

3.5.1 Soil Vapor and Indoor Air Analytical Results

Indoor air analytical results were compared to the NYSDOH Air Guideline Values (AGVs). Sub-slab soil vapor and indoor air sample analytical results were compared to the concentration thresholds provided in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices A, B, and C (NYSDOH Decision Matrices). The NYSDOH Decision Matrices address the following eight CVOCs: 1,1,1-trichloroethane (1,1,1-TCA), 1,1-DCE, cis-1,2-DCE, carbon tetrachloride, methylene chloride, PCE, TCE, and vinyl chloride.

A summary of analytical results are presented in Table 2 and Table 3 and are shown on Figure 4. Several CVOCs were detected in the indoor air samples at concentrations below the AGVs, including carbon tetrachloride, methylene chloride, and PCE. Applying the detected CVOC concentrations to the NYSDOH Guidance Decision Matrices yields the following recommendations:

- Carvel (mitigated) – Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor and methylene chloride was detected below 3 µg/m^3 in one of the indoor air samples, and was not detected in soil vapor. Based on these results no further action is recommended for these compounds in this tenant space.

- Taekwondo School (mitigated) - Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor; no further action is recommended for this compound in this tenant space.
- Hair Salon (mitigated) - Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor, methylene chloride was detected between 3 µg/m^3 and 10 µg/m^3 in one of the indoor air samples, and was not detected in soil vapor, and PCE was detected below 3 µg/m^3 in indoor air, and was not detected in soil vapor. Based on these results no further action is recommended for these compounds in this tenant space.
- Liquor Store (mitigated) – Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor, methylene chloride was detected between 3 µg/m^3 and 10 µg/m^3 in one of the indoor air samples, and was not detected in soil vapor, and PCE was detected below 3 µg/m^3 in indoor air, and below 100 µg/m^3 in soil vapor. Based on these results no further action is recommended for these compounds in this tenant space.
- Grocery Store (mitigated)
    - First Floor – Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor, methylene chloride was detected below 3 µg/m^3 in one of the indoor air samples, and below 100 µg/m^3 in soil vapor, and PCE was detected below 3 µg/m^3 in indoor air, and below 100 µg/m^3 in soil vapor. Based on these results no further action is recommended for these compounds in this tenant space.
    - Basement – Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor, and PCE was detected below 3 µg/m^3 in indoor air, and below 100 µg/m^3 in soil vapor. Based on these results no further action is recommended for these compounds in this tenant space.
- Vacant Space (unmitigated) – Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor, methylene chloride was detected between 3 µg/m^3 and 10 µg/m^3 in one of the indoor air samples, and was not detected in soil vapor, and PCE was detected below 3 µg/m^3 in indoor air, and was not detected in soil vapor. Based on these results no further action is recommended for these compounds in this tenant space.
- Chinese Restaurant (unmitigated) – Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor, and PCE was detected below 3 µg/m^3 in indoor air, and below 100 µg/m^3 in soil vapor. Based on these results no further action is recommended for these compounds in this tenant space.

- Bagel Shop (unmitigated) – Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor, methylene chloride was detected between 3 µg/m^3 and 10 µg/m^3 in indoor air, and below 100 µg/m^3 in soil vapor, and PCE was only detected in soil vapor below 100 µg/m^3. Based on these results no further action is recommended for these compounds in this tenant space.
- Laundromat (unmitigated) – Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor, methylene chloride was only detected in soil vapor below 100 µg/m^3; and PCE was detected below 3 µg/m^3 in indoor air, and below 100 µg/m^3 in soil vapor. Based on these results no further action is recommended for these compounds in this tenant space.
- Pizzeria (unmitigated) – Carbon tetrachloride was detected between 0.2 µg/m^3 and 1 µg/m^3 in indoor air, and was not detected in soil vapor; no further action is recommended for this compound in this tenant space.

Based on the above as well as the vacuum condition observed at all VMPs, no further action beyond the continued operation of the active SSDS is recommended for the shopping center.

In accordance with the IRMWP, indoor air samples were not collected from within the former dry cleaning tenant space because indoor air sample analytical results would likely be directly impacted by the former dry cleaning operations rather than a potential soil vapor intrusion condition alone. However, one soil vapor sample (SV05_041822) was collected from beneath the dry cleaning tenant space. Several CVOCs were detected in the soil vapor sample at concentrations below the NYSDOH Decision Matrices Minimum Concentrations, including cis-1,2-DCE, PCE, and TCE. Soil vapor analytical results are presented in Table 3 and are shown on Figure 4.

Based on the indoor air results as well as the vacuum condition observed at all VMPs, the SSDS is operating effectively per the design. No design alterations or modifications are proposed at this time.

3.5.2 SVE Effluent Evaluation

To assess the air quality of system effluent and confirm compliance with the NYSDEC Policy Division of Air Resources (DAR)-1: Guidelines for the Control of Toxic Ambient Air Contaminants, Langan collected one system effluent vapor sample. The effluent air sample was collected from the exhaust associated with the SSDS during active extraction and analyzed for CVOCs via USEPA Method TO-15 by a NYSDOH ELAP-certified laboratory. SSDS effluent analytical results are included as Table 4.

The system effluent vapor sample (SVE01_OUT_041822) and its duplicate (SVEDUP01_OUT_041822) reported detections of the following CVOCs:

- Acetone
- Carbon Disulfide
- Chloroform
- Chloromethane
- Cis-1,2-DCE
- Dichlorodifluoromethane
- Ethanol
- Isopropanol
- Methyl Ethyl Ketone
- Methylene Chloride
- n-Hexane
- Tert-butyl Alcohol
- PCE
- TCE
- Trichlorofluoromethane
- Vinyl Chloride

The vapor represented by these samples is the collective sub-slab soil vapor extracted and discharged via operation of the SSDS, rather than the concentration of vapors extracted from a single VMP. As designed, the SSDS discharges effluent vapor from the process equipment on the roof of the building, above the highest parapet or eave within 10 feet horizontally of the vent and at least one foot above the roof; at least 10 feet horizontally from, and not directly below any window, door, air intake, or other opening into the building; and at least 10 feet away from any adjacent building, sidewalk, or area frequented by persons on-site.

Langan calculated potential emissions of toxic air pollutants (TAPs) based on concentrations of detected compounds and a combined blower flow rate of 950 cubic feet per minute. Based on the calculations, the yearly mass removal rates for High Toxicity Air Contaminants (HTAC) trichloroethene and vinyl chloride fall below NYCRR mass emissions limits. The potential emission calculations can be found in Table 5.

3.5.3 Data Usability Summary Report

Langan validated the sample analytical data which included verification of sample results, verification of the identification of sample results, and recalculation of 10% of all sample results. Following data validation, a Data Usability Summary Report (DUSR) was prepared for all samples (and related QA/QC samples) collected during the sampling event. The DUSR presents the results of the data validation, including a summary assessment of laboratory data packages, sample preservation and COC procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method. All data are

considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%. Validated data was reported electronically on 22 May 2022 using the database software application EQuIS as part of NYSDEC's Environmental Information Management System (EIMS).

The laboratory analytical report for the sampling event is included as Appendix I and the DUSR is included as Appendix J.

3.6 Ongoing SSDS Operation, Maintenance, and Monitoring (2022-2023)

OM&M of the SSDS, which includes everyday operation, site checks/inspections, routine (scheduled) or unscheduled maintenance, and field monitoring, has been ongoing since system startup on 23 March 2022 and the one-month post-startup event on 18 April 2022. In accordance with the ISMP in Section 4.0, six monthly events and one quarterly event have been completed to date with the final quarterly event for the first year of operation scheduled for April 2023. In particular, routine inspections were completed on the following dates:

- 23 May 2022
- 22 June 2022
- 12 July 2022
- 5 August 2022
- 20 September 2022
- 28 October 2022
- 6 January 2023

System inspection forms are provided in Appendix K. The findings of these events will be summarized in detail in the reporting discussed in Section 4.3. The following provides a brief summary of the conditions noted during these routine events.

Across the routine OM&M events completed to date, the system was operational and performing as designed upon arrival and throughout each event. Differential pressure measurements were collected using a TSI 9565 Velocicalc Handheld Digital Air Velocity Meter at VMPs throughout the target mitigation area. Differential pressure measurements reached the target vacuum of 0.015 IWC during the routine events, indicating that the floor slab is depressurized throughout the entire SSDS target mitigation area, with the exception of VMP-16 where insufficient vacuum has been measured between May 2022 and January 2023 (discussed below).

Attempts to optimize the system by partially closing the nearby vertical well-line risers in the area of but not immediately adjacent to VMP-16 to increase the vacuum readings at that location were made throughout 2022 and 2023, however readings at VMP-16 have continued to remain below the target vacuum. VMP-16 is located within the grocery store cellar and the vacuums measured at the remainder of the VMPs in this tenant space have all been above the target vacuum across

the routine OM&M events. As such, it appears that measurements obtained at VMP-16 are anomalous in comparison to the remaining VMPs in the mitigation area and the reinstallation of VMP-16 is planned for the spring of 2023 to confirm vacuum influence in this portion of the cellar. The readings collected during the forthcoming April 2023 inspection will be reviewed and NYSDEC will be notified if any additional corrective actions will be required.

In accordance with the ISMP, non-routine maintenance was completed whenever the remote alarm system indicated that the SSDS was not operating properly resulting in a system shut down. Variable frequency drive (VFD) alarms which resulted in system shut down alarms, likely the result of building power supply fluctuations, occurred on the following dates:

- 26 April 2022
- 31 May 2022
- 11 June 2022
- 30 June 2022
- 10 July 2022
- 3 August 2022
- 22 August 2022
- 29 August 2022
- 11 November 2022
- 27 November 2022
- 29 January 2023

In each of these instances, the system was inspected on average within 1.5 days and no more than 4 days after the alarm condition, no major deficiencies were noted, and the system was turned back on and remained operational for the remainder of the non-routine inspection.

Further information regarding the routine and non-routine OM&M events will be provided in the forthcoming annual summary report, discussed in Section 4.3.

4.0 INTERIM SITE MANAGEMENT PLAN

The ISMP is described in this section and includes the SSDS's OM&M requirements, a contact list, and reporting requirements.

4.1 OM&M

4.1.1 Routine System Operation

The SSDS will operate continuously in accordance with appropriate design specifications and parameters, and the manufacturer's operation manual, which is included in Appendix L. The SSDS is equipped with remote telemetry and alarm notifications to indicate if the system is not operating properly (see Section 4.1.5).

Technical difficulties may be encountered during the course of operation of the SSDS, during which it may not operate within design specifications. The system will be routinely inspected and adjusted so that the intended operation specifications are met. Any required maintenance, adjustments, or repairs to the system will be conducted as per manufacturer's recommendations and the ISMP.

The SSDS will be operated until permission in writing is received from the NYSDEC to terminate operation of the system and remove the equipment. The ISMP may only be modified with the approval of NYSDEC.

4.1.2 Routine System Inspection

General OM&M routine site checks were conducted by Langan monthly for the first six months of operation and will be conducted quarterly thereafter for the first two years of the SSDS operation to ensure the system operates efficiently and effectively. Routine inspection/ equipment maintenance may include, but is not limited to, lubricating motor bearings, replacing pressure gauges or sample ports, and testing the remote alarm system. A blank system inspection form and completed forms for inspections conducted through January 2023 are provided in Appendix K. Routine equipment maintenance, repairs, and/or adjustments will be determined based on the life expectancy and warranty for system parts as well as visual observations over time. The need for repairs and/or adjustments will depend upon operating parameters compared to the parameters observed when the system was started up. The future monitoring frequency will be reviewed and modified, as required, based on the system operational data.

If technical difficulties or non-optimal operating conditions are encountered with the SSDS, Langan will complete necessary modifications or repairs to the system to bring the system into compliance with appropriate design specifications and parameters (to be coordinated with the NYSDEC).

Each inspection visit will include confirmation of current site uses. The property owner or representative will notify Langan if the current site use changes between inspections, and Langan will notify the NYSDEC and the NYSDOH. If a change of use occurs, Langan will complete an assessment to determine if any additional measures will need to be implemented. The assessment will be subject to review and approval by the NYSDEC and the NYSDOH.

4.1.3 Non-Routine Maintenance

Non-routine maintenance may also be required during the operation of the SSDS, including the following situations:

- The remote alarm system indicates that the SSDS is not operating properly
- The SSDS becomes damaged, due to building operations and/or weather
- The building has undergone renovations that may reduce system effectiveness

Activities conducted during non-routine maintenance visits will vary. The NYSDEC will be informed of any SSDS failure that cannot be addressed within five days. Repairs or adjustments should be made to the system, as appropriate, and as per manufacturer guidelines within 30 days of the equipment failure or whenever possible (i.e., pending availability of parts). If necessary, the system will be redesigned and/or restarted.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of the system that reduces or has the potential to reduce the effectiveness of the system in place at the site, verbal notice to the NYSDEC must be given the following day. In addition, Langan will conduct an inspection of the system within five days of the event to verify the effectiveness by a qualified environmental professional, as determined by the NYSDEC. Written confirmation must be provided to the NYSDEC within seven days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

In the event of a planned or unexpected shut down of the SSDS, additional indoor air samples may be collected to confirm the effectiveness of the system if required by the NYSDEC and the NYSDOH.

4.1.4 Performance Monitoring

The remediation engineer (RE) or environmental personnel under the supervision of the RE will conduct performance monitoring to determine whether the SSDS is operating as designed. Post-construction inspections of the SSDS were conducted on 23 March 2022 and 18 April 2022 and serve as a baseline for future performance monitoring.

Unscheduled inspections may take place when a suspected failure of the SSDS has been reported, after severe storms, or after the occurrence of an emergency that is deemed likely to affect the operation of the system. Performance monitoring will include the same procedures listed for the post-construction inspection in Section 3.2.3.

4.1.5 System Monitoring Devices and Alarms

The SSDS is equipped with a remote telemetry system to send alarm notifications if the system is not operating properly. The remote alarm is connected to a cellular network and notifies Langan via email, text message, and/or phone call if the system stops operating. In the event that the remote alarm is triggered, applicable inspections, maintenance, and/or repairs will be conducted as specified in the ISMP and the SSDS will be restarted. Operational problems that cannot be addressed within five days will be noted in the inspection form and communicated to the NYSDEC within 48 hours.

4.1.6 Criteria for System Termination

The SSDS will not be discontinued unless prior written approval is granted by the NYSDEC and the NYSDOH. In the event that monitoring data indicates that the SSDS may no longer be required, a proposal to discontinue the SSDS will be submitted by the remedial party to the NYSDEC and the NYSDOH.

4.2 Contact List

The following contact list will be used, as needed, to coordinate ISMP activities:

Name	Project Role	Phone Number	Email Address
Doug King (Muss Development)	Property Owner Representative	917-642-6357	dking@muss.com
Jessica Friscia (Langan)	Project Manager	973-560-4488	jfriscia@langan.com
Christopher McMahon (Langan)	Quality Control Officer	973-560-4861	cmcmahon@langan.com
Steven Ciambruschini (Langan)	Senior Principal	973-560-4982	sciambruschini@langan.com
Matthew Ambrusch (Langan)	OM&M Supervisor	973-560-4282	mambrusch@langan.com
Alessandra Looman (Langan)	System Operator	973-560-4840	alooman@langan.com
Linhan Yang (Langan)	System Operator	973-560-4881	liyang@langan.com
Tony Moffa (Langan)	Corporate Health & Safety Manager	212-479-5400	tmoffa@langan.com
AJ Benjamin (Pennington)	SSDS Installation Contractor	732-272-7139	abenjamin.Penningtonenv@gmail.com

4.3 Reporting

Activities conducted to maintain compliance with the ISMP will be documented in the NYSDEC BCP monthly progress reports and in an annual summary report. The monthly progress reports will include a description of completed site activities. The annual summary report will include a description of completed site activities, all system inspection forms for the first year of OM&M, any encountered system deficiencies, and implemented or proposed corrective actions.

5.0 CONCLUSIONS

As documented in this CCR, the IRMs described in the NYSDEC-approved January 2021 IRMWP have been implemented. The SSDS will continue to operate in accordance with the ISMP included herein.

The SSDS is meeting its respective design objectives and will continue to operate as per the ISMP. A final site remedy will be prescribed in the forthcoming final RAWP.

TABLES

Table 1
Construction Completion Report
Sample Summary

990-1026 Rossville Avenue
Staten Island, NY
NYSDEC BCP Site No.: C243043
Langan Project No.: 100849501

Location	Sample Name	Sample Date	Analysis	Sampling Rationale
AA01	AA01	4/18/2022	CVOCs	Characterization of ambient air at the site.
IA01	IA01			Characterization of sub-slab soil vapor (SV01) beneath and indoor air (IA01 and IA02) within the ice cream parlor.
IA02_SV01	IA02			
	SV01			
	SVDUP01			
IA03	IA03			Characterization of sub-slab soil vapor (SV02) beneath and indoor air (IA03 and IA04) within the taekwondo school.
IA04_SV02	IA04			
	SV02			
IA05_SV03	IA05			Characterization of sub-slab soil vapor (SV03) beneath and indoor air (IA05 and IA06) within the hair salon.
	SV03			
IA06	IA06			
IA07	IA07			Characterization of sub-slab soil vapor (SV04) beneath and indoor air (IA07 and IA08) within the liquor store.
IA08_SV04	IA08			
	SV04			
SV05	SV05			Characterization of sub-slab soil vapor beneath the dry cleaner.
IA09	IA09			Characterization of indoor air (IA09 and IA10) within the ground floor of the grocery store.
IA10	IA10			
IA11_SV06	IA11			Characterization of sub-slab soil vapor (SV06) beneath and indoor air (IA11 and IA12) within the grocery store basement.
	IADUP01			
	SV06			
IA12	IA12			
IA13_SV07	IA13			Characterization of sub-slab soil vapor (SV07) beneath and indoor air (IA13 and IA14) within the vacant former restaurant.
	SV07			
IA14	IA14			
	IADUP02			
IA15_SV08	IA15			Characterization of sub-slab soil vapor (SV08) beneath and indoor air (IA15 and IA16) within the Chinese restaurant.
	SV08			
IA16	IA16			
IA17	IA17			Characterization of sub-slab soil vapor (SV09) beneath and indoor air (IA17 and IA18) within the bagel shop.
IA18_SV09	IA18			
	SV09			
IA19_SV10	IA19			Characterization of sub-slab soil vapor (SV10) beneath and indoor air (IA19 and IA20) within the laundromat.
	SV10			
IA20	IA20			
IA21_SV11	IA21			Characterization of sub-slab soil vapor (SV-11) beneath and indoor air (IA21 and IA22) within the pizzeria.
	SV11			
IA22	IA22			
SVE_OUT	SVE01_OUT			Characterization of combined SSDS process equipment effluent.
	SVEDUP01_OUT			

Table 2
Construction Completion Report
Air Sample Analytical Results

990-1026 Rossville Avenue
Staten Island, New York
NYSDEC BCP Site No.: C243043
Langan Project No.: 100849501

Analyte	CAS Number	NYSDOH AGVs	Location	AA01	IA01	IA02_SV01	IA02_SV01	IA02_SV01	IA03	IA04_SV02	IA04_SV02	IA05_SV03	IA05_SV03	IA06	IA07	IA08_SV04	IA08_SV04
			Sample Name	AA01_041822	IA01_041822	IA02_041822	SV01_041822	SVDUP01_041822	IA03_041822	IA04_041822	SV02_041822	IA05_041822	SV03_041822	IA06_041822	IA07_041822	IA08_041822	SV04_041822
			Sample Date	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022
			Sample Type	AA	IA	IA	SSV	SSV	IA	IA	SSV	IA	SSV	IA	IA	IA	SSV
			Tenant	-	Carvel	Carvel	Carvel	Carvel	Taekwondo School	Taekwondo School	Taekwondo School	Hair Salon	Hair Salon	Hair Salon	Liquor Store	Liquor Store	Liquor Store
			Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																	
1,1,1-Trichloroethane	71-55-6	NS	ug/m3	<0.109 U	<0.109 U	<0.109 U	<1.09 U	<1.09 U	<0.109 U	<0.109 U	<1.09 U	<0.109 U	<1.09 UJ	<0.109 U	<0.109 U	<0.109 U	<1.09 UJ
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 UJ	<1.37 U	<1.37 U	<1.37 U	<1.37 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 UJ	<1.53 U	<1.53 U	<1.53 U	<1.53 UJ
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 UJ	<1.09 U	<1.09 U	<1.09 U	<1.09 UJ
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 UJ	<0.809 U	<0.809 U	<0.809 U	<0.809 UJ
1,1-Dichloroethene	75-35-4	NS	ug/m3	<0.079 U	<0.079 U	<0.079 U	<0.793 U	<0.793 U	<0.079 U	<0.079 U	<0.793 U	<0.079 U	<0.793 UJ	<0.079 U	<0.079 U	<0.079 U	<0.793 UJ
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 UJ	<1.48 U	<1.48 U	<1.48 U	<1.48 UJ
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	1.06	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 UJ	<0.983 U	<0.983 U	<0.983 U	<0.983 UJ
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 UJ	<1.54 U	<1.54 U	<1.54 U	<1.54 UJ
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 UJ	<1.2 U	<1.2 U	<1.2 U	<1.2 UJ
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 UJ	<0.809 U	<0.809 U	<0.809 U	<0.809 UJ
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 UJ	<0.924 U	<0.924 U	<0.924 U	<0.924 UJ
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 UJ	<1.4 U	<1.4 U	<1.4 U	<1.4 UJ
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 UJ	<0.983 U	<0.983 U	<0.983 U	<0.983 UJ
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 UJ	<0.442 U	<0.442 U	<0.442 U	<0.442 UJ
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 UJ	<1.2 U	<1.2 U	<1.2 U	<1.2 UJ
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 UJ	<1.2 U	<1.2 U	<1.2 U	<1.2 UJ
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 UJ	<0.721 U	<0.721 U	<0.721 U	<0.721 UJ
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 UJ	<0.934 U	<0.934 U	<0.934 U	<0.934 UJ
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 UJ	<0.82 U	<0.82 U	<0.82 U	<0.82 UJ
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 UJ	<0.983 U	<0.983 U	<0.983 U	<0.983 UJ
Acetone	67-64-1	NS	ug/m3	3.21	15.2	10.1	24.7	25.2	15.7	19.4	49.6	141	136 J	166	24	42.3	206 J
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 UJ	<0.626 U	<0.626 U	<0.626 U	<0.626 UJ
Benzene	71-43-2	NS	ug/m3	<0.639 U	<0.639 U	<0.639 U	<0.639 U	<0.639 U	<0.639 U	<0.639 U	<0.639 U	<0.639 U	<0.639 UJ	<0.639 U	<0.639 U	<0.639 U	<0.639 UJ
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 UJ	<1.04 U	<1.04 U	<1.04 U	<1.04 UJ
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 UJ	<1.34 U	<1.34 U	<1.34 U	<1.34 UJ
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 UJ	<0.874 U	<0.874 U	<0.874 U	<0.874 UJ
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 UJ	<2.07 U	<2.07 U	<2.07 U	<2.07 UJ
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 UJ	<0.777 U	<0.777 U	<0.777 U	<0.777 UJ
Carbon Disulfide	75-15-0	NS	ug/m3	<0.623 U	<0.623 U	<0.623 U	3.83	3.1	<0.623 U	<0.623 U	3.55	<0.623 U	<0.623 UJ	<0.623 U	<0.623 U	<0.623 U	2.2 J
Carbon Tetrachloride	56-23-5	NS	ug/m3	0.547	0.591	0.554	<1.26 U	<1.26 U	0.56	0.642	<1.26 U	0.61	<1.26 UJ	0.591	0.535	0.547	<1.26 UJ
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 UJ	<0.921 U	<0.921 U	<0.921 U	<0.921 UJ
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 UJ	<0.528 U	<0.528 U	<0.528 U	<0.528 UJ
Chloroform	67-66-3	NS	ug/m3	<0.977 U	7.81	3.6	4.01 J	2.94 J	<0.977 U	<0.977 U	<0.977 U	<0.977 U	<0.977 UJ	<0.977 U	<0.977 U	<0.977 U	<0.977 UJ
Chloromethane	74-87-3	NS	ug/m3	1.32	1.29	1.26	1.44	1.22	1.28	1.29	1.41	1.24	1.3 J	1.2	1.46	1.51	0.814 J
Cis-1,2-Dichloroethene	156-59-2	NS	ug/m3	<0.079 U	<0.079 U	<0.079 U	<0.793 U	<0.793 U	<0.079 U	<0.079 U	<0.793 U	<0.079 U	<0.793 UJ	<0.079 U	<0.079 U	<0.079 U	<0.793 UJ
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 UJ	<0.908 U	<0.908 U	<0.908 U	<0.908 UJ
Cyclohexane	110-82-7	NS	ug/m3	1.08	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 UJ	<0.688 U	<0.688 U	<0.688 U	<0.688 UJ
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 UJ	<1.7 U	<1.7 U	<1.7 U	<1.7 UJ
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.54	2.82	2.74	3.43	3.2	2.63	2.68	2.75	2.73	2.69 J	2.79	2.61	2.72	2.68 J
Ethanol	64-17-5	NS	ug/m3	<9.42 U	643	671	305 J	584 J	554	373	413	918	693 J	923	1,280	874	44.1 J
Ethyl Acetate	141-78-6	NS	ug/m3	<1.8 U	2.08	2.21	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	7.28	8.58 J	6.13	<1.8 U	<1.8 U	<1.8 UJ
Ethylbenzene	100-41-4	NS	ug/m3	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 UJ	<0.869 U	<0.869 U	<0.869 U	<0.869 UJ
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 UJ	<2.13 U	<2.13 U	<2.13 U	<2.13 UJ
Isopropanol	67-63-0	NS	ug/m3	<1.23 U	6.74	6.66	13.1 J	42.8 J	7.92	20.3	33.9	364	329 J	428	211	337	41 J
M,P-Xylene	179601-23-1	NS	ug/m3	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 UJ	<1.74 U	<1.74 U	<1.74 U	<1.74 UJ
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	<1.47 U	<1.47 U	<1.47 U	<1.47 U	<1.47 U	<1.47 U	<1.47 U	<1.47 U	<1.47 U	<1.47 UJ	<1.47 U	<1.47 U	<1.47 U	<1.47 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentano	108-10-1	NS	ug/m3	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 UJ	<2.05 U	<2.05 U	<2.05 U	<2.05 UJ
Methylene Chloride	75-09-2	60	ug/m3	<1.74 U	1.89	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	3.54	<1.74 UJ	<1.74 U	3.51	<1.74 U	<1.74 UJ
n-Heptane	142-82-5	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	1.2 J	<0.82 U	<0.82 U	<0.82 U	<0.82 UJ
n-Hexane	110-54-3	NS	ug/m3	<0.705 U	<0.705 U	<0.705 U	<0.705 U	<0.705 U	<0.705 U	<0.705 U	<0.705 U	<0.705 U	<0.705 UJ	<0.705 U	<0.705 U	<0.705 U	<0.705 UJ
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 UJ	<0.869 U	<0.869 U	<0.869 U	<0.869 UJ
Styrene	100-42-5	NS	ug/m3	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 UJ	<0.852 U	<0.852 U	<0.852 U	<0.852 UJ
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	<1.52 U	<1.52 U	<1.52 U	4.79 J	3.06 J	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 UJ	<1.52 U	<1.52 U	<1.52 U	<1.52 UJ
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 UJ	<0.721 U	<0.721 U	<0.721 U	<0.721 UJ
Tetrachloroethene (PCE)	127-18-4	30	ug/m3	<0.136 U	<0.136 U	<0.136 U	<1.36 U	<1.36 U	<0.136 U	<0.136 U	<1.36 U	0.244	<1.36 UJ	0.292	1.43	2.46	6.27 J
Tetrahydrofuran	109-99-9	NS	ug/m3	5.19	<1.47 U	<1.47 U	<1.47 UJ	10.5 J	<1.47 U	<1.47 U	<1.47 U	<1.47 U	2.91 J	<1.47 U	<1.47 U	<1.47 U	<1.47 UJ
Toluene	108-88-3	NS	ug/m3	<0.754 U	<0.754 U	<0.754 U	0.927	<0.754 U	<0.754 U	<0.754 U	1.02	1.26	1.91 J	1.35	2.12	1.6	<0.754 UJ
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 UJ	<0.793 U	<0.793 U	<0.793 U	<0.793 UJ
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 UJ	<0.908 U	<0.908 U	<0.908 U	<0.908 UJ
Trichloroethene (TCE)	79-01-6	2	ug/m3	<0.107 U	<0.107 U	<0.107 U	<1.07 U	<1.07 U	<0.107 U	<0.107 U	<1.07 U	<0.107 U	<1.07 UJ	<0.107 U	<0.107 U	<0.107 U	<1.07 UJ
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.3	2.12	1.83	4.23 J	3.02 J	4.51	5.14	3.22	5.79	4.62 J	6.52	4.86	5.68	3.21 J
Vinyl Chloride	75-01-4	NS	ug/m3	<0.051 U	<0.051 U	<0.051 U	<0.511 U	<0.511 U	<0.051 U	<0.051 U	<0.511 U	<0.051 U	<0.511 UJ	<0.051 U	<0.051 U	<0.051 U	<0.511 UJ
Total CVOCs	CVOCs		ug/m3	ND	ND	ND	ND	ND	ND	ND	ND	0.244	ND	0.292	1.43	2.46	6.27
Total VOCs	TOTALVOCs		ug/m3	15.187	683.541	699.954	366.517	679.04	586.6	422.452	508.45	1445.694	1181.21	1535.873	1531.525	1267.817	306.274

Table 2
Construction Completion Report
Air Sample Analytical Results

990-1026 Rossville Avenue
Staten Island, New York
NYSDEC BCP Site No.: C243043
Langan Project No.: 100849501

Analyte	CAS Number	NYSDOH AGVs	Location	IA09	IA10	IA11_SV06	IA11_SV06	IA11_SV06	IA12	IA13_SV07	IA13_SV07	IA14	IA14	IA15_SV08	IA15_SV08	IA16
			Sample Name	IA09_041822	IA10_041822	IA11_041822	IADUP01_041822	SV06_041822	IA12_041822	IA13_041822	SV07_041822	IA14_041822	IADUP02_041822	IA15_041822	SV08_041822	IA16_041822
			Sample Date	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022
			Sample Type	IA	IA	IA	IA	SSV	IA	IA	SSV	IA	IA	IA	SSV	IA
			Tenant	Grocery Store	Grocery Store	Grocery Store	Grocery Store	Grocery Store	Grocery Store	Vacant	Vacant	Vacant	Vacant	Chinese Resturant	Chinese Resturant	Chinese Resturant
			Floor	First Floor	First Floor	Basement	Basement	Basement	Basement	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																
1,1,1-Trichloroethane	71-55-6	NS	ug/m3	<0.109 U	<0.109 U	<0.109 U	<0.109 U	<1.09 UJ	<0.109 U	<0.109 U	<1.09 U	<0.109 U	<0.109 U	<0.109 U	<1.09 U	<0.109 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 UJ	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 UJ	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 UJ	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 UJ	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U
1,1-Dichloroethene	75-35-4	NS	ug/m3	<0.079 U	<0.079 U	<0.079 U	<0.079 U	<0.793 UJ	<0.079 U	<0.079 U	<0.793 U	<0.079 U	<0.079 U	<0.079 U	<0.793 U	<0.079 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 UJ	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	<0.983 U	14.2 J	<0.983 U	<0.983 U	1.19	<0.983 U	<0.983 U	<0.983 U	1.09	<0.983 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 UJ	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 UJ	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 UJ	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 UJ	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 UJ	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	<0.983 U	7.77 J	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 UJ	<0.442 U	<0.442 U	0.544	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 UJ	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 UJ	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 UJ	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 UJ	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 UJ	<0.82 U	<0.82 U	0.971	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	<0.983 U	4.83 J	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U
Acetone	67-64-1	NS	ug/m3	22.5	10.5	13.7	13	40.4 J	17.5	6.58	78.9	6.56	8.08	7.65	149	6.63
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 UJ	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U
Benzene	71-43-2	NS	ug/m3	<0.639 U	<0.639 U	<0.639 U	<0.639 U	<0.639 UJ	<0.639 U	<0.639 U	2.69	<0.639 U	<0.639 U	<0.639 U	0.725	<0.639 U
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 UJ	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 UJ	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U	<1.34 U
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 UJ	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 UJ	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 UJ	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.623 U	<0.623 U	<0.623 U	<0.623 U	4.67 J	1.08	<0.623 U	3.46	<0.623 U	<0.623 U	<0.623 U	11.1	<0.623 U
Carbon Tetrachloride	56-23-5	NS	ug/m3	0.673	0.623	0.698	0.749	<1.26 UJ	0.717	0.547	<1.26 U	0.554	0.56	0.522	<1.26 U	0.497
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 UJ	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 UJ	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U
Chloroform	67-66-3	NS	ug/m3	1.15	1.03	2.67 J	4.02 J	9.08 J	3.11	1.24	<0.977 U	3.85	3.03	0.996	1.54	<0.977 U
Chloromethane	74-87-3	NS	ug/m3	1.51	1.54	1.73	1.45	1.26 J	1.7	1.53	1.26	1.48	1.22	1.55	0.496	1.47
Cis-1,2-Dichloroethene	156-59-2	NS	ug/m3	<0.079 U	<0.079 U	<0.079 U	<0.079 U	<0.793 UJ	<0.079 U	<0.079 U	<0.793 U	<0.079 U	<0.079 U	<0.079 U	<0.793 U	<0.079 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 UJ	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U
Cyclohexane	110-82-7	NS	ug/m3	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 UJ	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 UJ	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.66	2.77	2.73	2.6	2.89 J	2.74	2.76	2.52	2.71	2.58	3.01	4.01	2.73
Ethanol	64-17-5	NS	ug/m3	590	311	2,220	2,280	718 J	5,200	69	32.8	55.8 J	112 J	188	54.1	152
Ethyl Acetate	141-78-6	NS	ug/m3	5.91	6.88	7.35	5.55	1.86 J	9.55	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U
Ethylbenzene	100-41-4	NS	ug/m3	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 UJ	<0.869 U	<0.869 U	2.88	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 UJ	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U
Isopropanol	67-63-0	NS	ug/m3	433	102	139 J	76.2 J	81.1 J	130	10.4	15.8	8.85	7.57	6.27	5.46	8.92
M,P-Xylene	179601-23-1	NS	ug/m3	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 UJ	<1.74 U	<1.74 U	9.56	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	<1.47 U	<1.47 U	<1.47 U	<1.47 U	2.73 J	2.41	<1.47 U	7.2	<1.47 U	<1.47 U	<1.47 U	4.36	<1.47 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentano	108-10-1	NS	ug/m3	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 UJ	<2.05 U	<2.05 U	11.1	<2.05 U	<2.05 U	<2.05 U	<2.05 U	<2.05 U
Methylene Chloride	75-09-2	60	ug/m3	1.96	<1.74 U	<1.74 U	<1.74 U	4.24 J	<1.74 U	3.23	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U
n-Heptane	142-82-5	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 UJ	<0.82 U	<0.82 U	2.98	<0.82 U	<0.82 U	<0.82 U	0.93	<0.82 U
n-Hexane	110-54-3	NS	ug/m3	<0.705 U	<0.705 U	<0.705 U	<0.705 U	<0.705 UJ	<0.705 U	<0.705 U	1.26	<0.705 U	<0.705 U	<0.705 U	2.89	<0.705 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 UJ	<0.869 U	<0.869 U	3.93	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U
Styrene	100-42-5	NS	ug/m3	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 UJ	<0.852 U	<0.852 U	1.5	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 UJ	<1.52 U	<1.52 U	18.6	<1.52 U	<1.52 U	<1.52 U	<1.52 U	<1.52 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 UJ	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	127-18-4	30	ug/m3	0.651	0.468	1.11	1.14	3.44 J	0.949	0.149	<1.36 U	0.183	0.142	0.142	2.16	0.251
Tetrahydrofuran	109-99-9	NS	ug/m3	1.52	1.69	1.87	<1.47 U	<1.47 UJ	<1.47 U	<1.47 U	<1.47 U	1.63	<1.47 U	<1.47 U	<1.47 U	<1.47 U
Toluene	108-88-3	NS	ug/m3	0.848	<0.754 U	<0.754 U	<0.754 U	2.05 J	<0.754 U	1.28	69.3	<0.754 U	<0.754 U	<0.754 U	4.79	<0.754 U
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 UJ	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 UJ	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U
Trichloroethene (TCE)	79-01-6	2	ug/m3	<0.107 U	<0.107 U	<0.107 U	<0.107 U	<1.07 UJ	<0.107 U	<0.107 U	<1.07 U	<0.107 U	<0.107 U	<0.107 U	<1.07 U	<0.107 U
Trichlorofluoromethane	75-69-4	NS	ug/m3	2.3	2.03	5.52	5.13	3.85 J	4.83	2.64	2.79	2.69	2.33	2.63	2.1	3.78
Vinyl Chloride	75-01-4	NS	ug/m3	<0.051 U	<0.051 U	<0.051 U	<0.051 U	<0.511 UJ	<0.051 U	<0.051 U	<0.511 U	<0.051 U	<0.051 U	<0.051 U	<0.511 U	<0.051 U
Total CVOCs	CVOCs		ug/m3	0.651	0.468	1.11	1.14	3.44	0.949	0.149	ND	0.183	0.142	0.142	2.16	0.251
Total VOCs	TOTALVOCs		ug/m3	1064.682	440.531	2396.378	2389.839	902.37	5374.586	99.356	271.235	84.307	137.512	210.77	244.751	176.278

Table 2
Construction Completion Report
Air Sample Analytical Results

990-1026 Rossville Avenue
Staten Island, New York
NYSDEC BCP Site No.: C243043
Langan Project No.: 100849501

Analyte	CAS Number	NYSDOH AGVs	Location	IA17	IA18_SV09	IA18_SV09	IA19_SV10	IA19_SV10	IA20	IA21_SV11	IA21_SV11	IA22
			Sample Name	IA17_041822	IA18_041822	SV09_041822	IA19_041822	SV10_041822	IA20_041822	IA21_041822	SV11_041822	IA22_041822
			Sample Date	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022	04/18/2022
			Sample Type	IA	IA	SSV	IA	SSV	IA	IA	SSV	IA
			Tenant	Bagel Shop	Bagel Shop	Bagel Shop	Laundromat	Laundromat	Laundromat	Pizzeria	Pizzeria	Pizzeria
			Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds												
1,1,1-Trichloroethane	71-55-6	NS	ug/m3	<0.109 U	<0.109 U	<1.09 U	<0.109 U	<1.09 U	<0.109 U	<0.109 U	<1.09 U	<0.109 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U	<1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U	<1.53 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U	<1.09 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U
1,1-Dichloroethene	75-35-4	NS	ug/m3	<0.079 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.079 U	<0.793 U	<0.079 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U	<1.48 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<0.983 U	<0.983 U	1.15	<0.983 U	<0.983 U	<0.983 U	<0.983 U	69.3	6.39
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U	<1.54 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U	<0.809 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U	<0.924 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U	<1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	55.6	1.42
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 U	0.604	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U	<0.442 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.721 U	3.36	<0.721 U	<0.721 U	<0.721 U	<0.721 U
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U	<0.934 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	2.14	<0.82 U
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	<0.983 U	40.2	<0.983 U
Acetone	67-64-1	NS	ug/m3	8.81	9.07	29	27.1	169	28.3	6.39	10	10.8
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U	<0.626 U
Benzene	71-43-2	NS	ug/m3	<0.639 U	<0.639 U	0.764	<0.639 U	1.01	<0.639 U	0.658	1.05	<0.639 U
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U	<1.04 U
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 U	<1.34 U	1.75	<1.34 U	1.81	<1.34 U	<1.34 U	<1.34 U
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U	<0.874 U
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U	<2.07 U
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U	<0.777 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.623 U	<0.623 U	14.6	<0.623 U	10.4	<0.623 U	<0.623 U	7.82	<0.623 U
Carbon Tetrachloride	56-23-5	NS	ug/m3	0.522	0.503	<1.26 U	0.937	<1.26 U	0.994	0.535	<1.26 U	0.503
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U	<0.921 U
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U	<0.528 U
Chloroform	67-66-3	NS	ug/m3	3.15	2.87	3.28	25.5	9.52	27.2	<0.977 U	2.92	<0.977 U
Chloromethane	74-87-3	NS	ug/m3	1.53	1.63	0.828	2.81	1.76	2.81	1.39	<0.413 U	1.38
Cis-1,2-Dichloroethene	156-59-2	NS	ug/m3	<0.079 U	<0.079 U	<0.793 U	<0.079 U	<0.793 U	<0.079 U	<0.079 U	<0.793 U	<0.079 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U
Cyclohexane	110-82-7	NS	ug/m3	<0.688 U	<0.688 U	<0.688 U	<0.688 U	<0.688 U	1.85	<0.688 U	<0.688 U	<0.688 U
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.6	2.81	3.5	2.68	2.69	2.63	2.56	5.34	2.49
Ethanol	64-17-5	NS	ug/m3	458	426	20.3	1,580	401	1,580	1,250	<9.42 U	1,160
Ethyl Acetate	141-78-6	NS	ug/m3	<1.8 U	<1.8 U	1.96	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U
Ethylbenzene	100-41-4	NS	ug/m3	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U	<2.13 U
Isopropanol	67-63-0	NS	ug/m3	9.73	10.4	2.46	96.8	19.3	75.7	1.89	1.66	2.56
M,P-Xylene	179601-23-1	NS	ug/m3	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U	<1.74 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	<1.47 U	<1.47 U	1.69	<1.47 U	8.35	<1.47 U	<1.47 U	<1.47 U	<1.47 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentano	108-10-1	NS	ug/m3	<2.05 U	<2.05 U	<2.05 U	<2.05 U	7.99	<2.05 U	<2.05 U	18.1	<2.05 U
Methylene Chloride	75-09-2	60	ug/m3	3.54	4.72	28.4	<1.74 U	2.02	<1.74 U	<1.74 U	<1.74 U	<1.74 U
n-Heptane	142-82-5	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	<0.82 U	1.21	<0.82 U
n-Hexane	110-54-3	NS	ug/m3	<0.705 U	<0.705 U	1.72	<0.705 U	1.2	<0.705 U	<0.705 U	<0.705 U	<0.705 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	<0.869 U	4.65	<0.869 U
Styrene	100-42-5	NS	ug/m3	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U	<0.852 U
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	<1.52 U	<1.52 U	5.37	2.19	4.18	2.08	<1.52 U	9.79	<1.52 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U	<0.721 U
Tetrachloroethene (PCE)	127-18-4	30	ug/m3	<0.136 U	<0.136 U	2.04	0.285	2.55	0.292	<0.136 U	<1.36 U	<0.136 U
Tetrahydrofuran	109-99-9	NS	ug/m3	<1.47 U	<1.47 U	<1.47 U	2.83	<1.47 U	5.63	<1.47 U	<1.47 U	<1.47 U
Toluene	108-88-3	NS	ug/m3	<0.754 U	1.09	1.16	<0.754 U	1.31	0.825	<0.754 U	2.18	<0.754 U
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U	<0.793 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U	<0.908 U
Trichloroethene (TCE)	79-01-6	2	ug/m3	<0.107 U	<0.107 U	<1.07 U	<0.107 U	<1.07 U	<0.107 U	<0.107 U	<1.07 U	<0.107 U
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.77	1.76	1.89	1.46	1.17	1.48	1.62	1.27	1.56
Vinyl Chloride	75-01-4	NS	ug/m3	<0.051 U	<0.051 U	<0.511 U	<0.051 U	<0.511 U	<0.051 U	<0.051 U	<0.511 U	<0.051 U
Total CVOCs	CVOCs		ug/m3	ND	ND	2.04	0.285	2.55	0.292	ND	ND	ND
Total VOCs	TOTALVOCs		ug/m3	489.652	460.853	120.716	1744.342	646.81	1731.601	1265.043	233.23	1187.103

Table 2
Construction Completion Report
Air Sample Analytical Results

990-1026 Rossville Avenue
Staten Island, New York
NYSDEC BCP Site No.: C243043
Langan Project No.: 100849501

Notes:

AA - Ambient Air
IA - Indoor Air
SSV - Sub-slab Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (2013, 2015, 2017).
Ambient air sample analytical results are shown for reference only.

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of
UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

10 - Result exceeds NYSDOH AGVs

Table 3
Construction Completion Report
Sub-Slab Vapor Analytical Results

990-1026 Rossville Avenue
Staten Island, New York
NYSDEC BCP Site No.: C243043
Langan Project No.: 100849501

Analyte	CAS Number	NYSDOH Decision Matrices Minimum Concentrations	Location	AA01	SV05
			Sample Name	AA01_041822	SV05_041822
			Sample Date	04/18/2022	04/18/2022
			Sample Type	AA	SSV
			Tenant	-	Dry Cleaner
			Floor	First Floor	First Floor
			Unit	Result	Result
Volatile Organic Compounds					
1,1,1-Trichloroethane	71-55-6	100	ug/m3	<0.109 U	<1.09 UJ
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.37 U	<1.37 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.53 U	<1.53 UJ
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<1.09 U	<1.09 UJ
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.809 U	<0.809 UJ
1,1-Dichloroethene	75-35-4	6	ug/m3	<0.079 U	<0.793 UJ
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.48 U	<1.48 UJ
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<0.983 U	1.22 J
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.54 U	<1.54 UJ
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1.2 U	<1.2 UJ
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.809 U	<0.809 UJ
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.924 U	<0.924 UJ
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.4 U	<1.4 UJ
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.983 U	<0.983 UJ
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 UJ
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1.2 U	<1.2 UJ
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 UJ
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.721 U	<0.721 UJ
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	<0.934 U	<0.934 UJ
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	1.79 J
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 UJ
Acetone	67-64-1	NS	ug/m3	3.21	46.1 J
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<0.626 U	<0.626 UJ
Benzene	71-43-2	NS	ug/m3	<0.639 U	<0.639 UJ
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 UJ
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 UJ
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 UJ
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 UJ
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 UJ
Carbon Disulfide	75-15-0	NS	ug/m3	<0.623 U	4.67 J
Carbon Tetrachloride	56-23-5	6	ug/m3	0.547	<1.26 UJ
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 UJ
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 UJ
Chloroform	67-66-3	NS	ug/m3	<0.977 U	<0.977 UJ
Chloromethane	74-87-3	NS	ug/m3	1.32	1.16 J
Cis-1,2-Dichloroethene	156-59-2	6	ug/m3	<0.079 U	1.14 J
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.908 U	<0.908 UJ
Cyclohexane	110-82-7	NS	ug/m3	1.08	<0.688 UJ
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 UJ
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.54	2.56 J
Ethanol	64-17-5	NS	ug/m3	<9.42 U	262 J
Ethyl Acetate	141-78-6	NS	ug/m3	<1.8 U	<1.8 UJ
Ethylbenzene	100-41-4	NS	ug/m3	<0.869 U	<0.869 UJ
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 UJ
Isopropanol	67-63-0	NS	ug/m3	<1.23 U	83.6 J
M,P-Xylene	179601-23-1	NS	ug/m3	<1.74 U	<1.74 UJ
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	<1.47 U	10.3 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanor	108-10-1	NS	ug/m3	<2.05 U	<2.05 UJ
Methylene Chloride	75-09-2	100	ug/m3	<1.74 U	<1.74 UJ
n-Heptane	142-82-5	NS	ug/m3	<0.82 U	<0.82 UJ
n-Hexane	110-54-3	NS	ug/m3	<0.705 U	<0.705 UJ
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	<0.869 U	<0.869 UJ
Styrene	100-42-5	NS	ug/m3	<0.852 U	<0.852 UJ
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	<1.52 U	<1.52 UJ
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.721 U	<0.721 UJ
Tetrachloroethene (PCE)	127-18-4	100	ug/m3	<0.136 U	94.3 J
Tetrahydrofuran	109-99-9	NS	ug/m3	5.19	<1.47 UJ
Toluene	108-88-3	NS	ug/m3	<0.754 U	<0.754 UJ
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.793 U	<0.793 UJ
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.908 U	<0.908 UJ
Trichloroethene (TCE)	79-01-6	6	ug/m3	<0.107 U	1.85 J
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.3	3.61 J
Vinyl Chloride	75-01-4	6	ug/m3	<0.051 U	<0.511 UJ

Table 3
Construction Completion Report
Sub-Slab Vapor Analytical Results

990-1026 Rossville Avenue
Staten Island, New York
NYSDEC BCP Site No.: C243043
Langan Project No.: 100849501

Notes:

AA - Ambient Air
SSV - Sub-slab Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Sub-slab vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).

Ambient air sample analytical results are shown for reference only.

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of
UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

10 - Result exceeds minimum soil vapor concentrations recommending mitigation

Table 4
Construction Completion Report
SSDS Effluent Analytical Results

990-1026 Rossville Avenue
Staten Island, New York
NYSDEC BCP Site No.: C243043
Langan Project No.: 100849501

Analyte	CAS Number		Location	SVE01_OUT	SVE01_OUT
			Sample Name	SVE01_OUT_041822	SVEDUP01_OUT_041822
			Sample Date	04/18/2022	04/18/2022
			Sample Type	EFFLUENT	EFFLUENT
			Tenant	-	-
			Floor	Roof	Roof
		Unit		Result	Result
Volatile Organic Compounds					
1,1,1-Trichloroethane	71-55-6	ug/m3		<1.09 U	<1.09 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3		<1.37 U	<1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/m3		<1.53 U	<1.53 U
1,1,2-Trichloroethane	79-00-5	ug/m3		<1.09 U	<1.09 U
1,1-Dichloroethane	75-34-3	ug/m3		<0.809 U	<0.809 U
1,1-Dichloroethene	75-35-4	ug/m3		<0.793 U	<0.793 U
1,2,4-Trichlorobenzene	120-82-1	ug/m3		<1.48 U	<1.48 U
1,2,4-Trimethylbenzene	95-63-6	ug/m3		<0.983 U	<0.983 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/m3		<1.54 U	<1.54 U
1,2-Dichlorobenzene	95-50-1	ug/m3		<1.2 U	<1.2 U
1,2-Dichloroethane	107-06-2	ug/m3		<0.809 U	<0.809 U
1,2-Dichloropropane	78-87-5	ug/m3		<0.924 U	<0.924 U
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3		<1.4 U	<1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/m3		<0.983 U	<0.983 U
1,3-Butadiene	106-99-0	ug/m3		<0.442 U	<0.442 U
1,3-Dichlorobenzene	541-73-1	ug/m3		<1.2 U	<1.2 U
1,4-Dichlorobenzene	106-46-7	ug/m3		<1.2 U	<1.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	ug/m3		<0.721 U	<0.721 U
2,2,4-Trimethylpentane	540-84-1	ug/m3		<0.934 U	<0.934 U
2-Hexanone (MBK)	591-78-6	ug/m3		<0.82 U	<0.82 U
4-Ethyltoluene	622-96-8	ug/m3		<0.983 U	<0.983 U
Acetone	67-64-1	ug/m3		16.7	17.3
Allyl Chloride (3-Chloropropene)	107-05-1	ug/m3		<0.626 U	<0.626 U
Benzene	71-43-2	ug/m3		<0.639 U	<0.639 U
Benzyl Chloride	100-44-7	ug/m3		<1.04 U	<1.04 U
Bromodichloromethane	75-27-4	ug/m3		<1.34 U	<1.34 U
Bromoethene	593-60-2	ug/m3		<0.874 U	<0.874 U
Bromoform	75-25-2	ug/m3		<2.07 U	<2.07 U
Bromomethane	74-83-9	ug/m3		<0.777 U	<0.777 U
Carbon Disulfide	75-15-0	ug/m3		5.61 J	3.1 J
Carbon Tetrachloride	56-23-5	ug/m3		<1.26 U	<1.26 U
Chlorobenzene	108-90-7	ug/m3		<0.921 U	<0.921 U
Chloroethane	75-00-3	ug/m3		<0.528 U	<0.528 U
Chloroform	67-66-3	ug/m3		12 J	7.47 J
Chloromethane	74-87-3	ug/m3		1.05	0.985
Cis-1,2-Dichloroethene	156-59-2	ug/m3		34	32.4
Cis-1,3-Dichloropropene	10061-01-5	ug/m3		<0.908 U	<0.908 U
Cyclohexane	110-82-7	ug/m3		<0.688 U	<0.688 U
Dibromochloromethane	124-48-1	ug/m3		<1.7 U	<1.7 U
Dichlorodifluoromethane	75-71-8	ug/m3		2.87	2.74
Ethanol	64-17-5	ug/m3		182	165
Ethyl Acetate	141-78-6	ug/m3		<1.8 U	<1.8 U
Ethylbenzene	100-41-4	ug/m3		<0.869 U	<0.869 U
Hexachlorobutadiene	87-68-3	ug/m3		<2.13 U	<2.13 U
Isopropanol	67-63-0	ug/m3		14.6	12.4
M,P-Xylene	179601-23-1	ug/m3		<1.74 U	<1.74 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/m3		<1.47 UJ	3.24 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentano	108-10-1	ug/m3		<2.05 U	<2.05 U
Methylene Chloride	75-09-2	ug/m3		2.12 J	17.4 J
n-Heptane	142-82-5	ug/m3		<0.82 U	<0.82 U
n-Hexane	110-54-3	ug/m3		<0.705 U	0.99
o-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/m3		<0.869 U	<0.869 U
Styrene	100-42-5	ug/m3		<0.852 U	<0.852 U
Tert-Butyl Alcohol	75-65-0	ug/m3		<1.52 U	2.56
Tert-Butyl Methyl Ether	1634-04-4	ug/m3		<0.721 U	<0.721 U
Tetrachloroethene (PCE)	127-18-4	ug/m3		94.3	123
Tetrahydrofuran	109-99-9	ug/m3		<1.47 U	<1.47 U
Toluene	108-88-3	ug/m3		<0.754 U	<0.754 U
Trans-1,2-Dichloroethene	156-60-5	ug/m3		<0.793 U	<0.793 U
Trans-1,3-Dichloropropene	10061-02-6	ug/m3		<0.908 U	<0.908 U
Trichloroethene (TCE)	79-01-6	ug/m3		13.1	13.2
Trichlorofluoromethane	75-69-4	ug/m3		3.27	3.29
Vinyl Chloride	75-01-4	ug/m3		8.26	7.31

Table 4
Construction Completion Report
SSDS Effluent Analytical Results

990-1026 Rossville Avenue
Staten Island, New York
NYSDEC BCP Site No.: C243043
Langan Project No.: 100849501

Notes:

CAS - Chemical Abstract Service
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of
UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 5
Construction Completion Report
Potential Emission Calculations
DAR-1 Air Quality Assessment

990-1026 Rossville Avenue
Staten Island, New York
NYSDEC BCP Site No.: C243043
Langan Project No.: 100849501

ANALYTE	CAS	Molecular Weight (g/mol)	Blowers (SVE01) Out (µg/m³)				Blowers (SVEDUP01) Out (µg/m³)				Maximum (µg/m³)	Extraction Flow Rate (scfm)	Mass Removal Rate (lb/day)	Mass Removal Rate (lb/hr)	Mass Removal Rate (lb/yr)	NYCRR Mass Emissions Limit (lb/yr)
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc					
Acetone	67-64-1	58.08	16.7		2.38	-	17.3		2.38	-	17.3		0.0015	0.00006	0.5393	-
Carbon Disulfide	75-15-0	76.14	5.6	J	0.623	-	3.1	J	0.623	-	5.6		0.0005	0.00002	0.1749	-
Chloroform	67-66-3	119.38	12.0	J	0.977	-	7.47	J	0.977		12.0		0.0010	0.00004	0.3741	-
Chloromethane	74-87-3	50.49	1.05		0.413	-	0.985		0.413	-	1.1		0.0001	0.00000	0.0327	-
Cis-1,2-Dichloroethene	156-59-2	96.95	34.0		0.793	-	32.4		0.793	-	34.0		0.0029	0.00012	1.0598	-
Dichlorodifluoromethane	75-71-8	120.91	2.87		0.989	-	2.74		0.989	-	2.9		0.0002	0.00001	0.0895	-
Ethanol	64-17-5	46.07	182		9.42	-	165.00		9.42	-	182.0		0.0155	0.00065	5.6732	-
Isopropanol	67-63-0	60.10	14.6		1.23	-	12.4		1.23	-	14.6		0.0012	0.00005	0.4551	-
Methyl Ethyl Ketone	78-93-3	72.11	1.47		1.47	-	3.24	J	1.47	-	3.2	950	0.0003	0.00001	0.1010	-
Methylene Chloride	75-09-2	84.93	2.12	J	1.74	-	17.4	J	1.74	-	17.4		0.0015	0.00006	0.5424	-
n-Hexane	110-54-3	86.18	0.705		0.705	-	0.99		0.705	-	1.0		0.0001	0.00000	0.0309	-
Tert-butyl Alcohol	75-65-0	74.12	1.52		1.52	-	2.56		1.52	-	2.6		0.0002	0.00001	0.0798	-
Tetrachloroethene	127-18-4	165.83	94.3		1.36	-	123.0		1.36	-	123.0		0.0105	0.00044	3.8341	-
Trichloroethene	79-01-6	131.40	13.1		1.07	-	13.2		1.07	-	13.2		0.0011	0.00005	0.4115	500
Trichlorofluoromethane	75-69-4	137.37	3.27		1.12	-	3.29		1.12	-	3.3		0.0003	0.00001	0.1026	-
Vinyl Chloride	75-01-4	62.498	8.26		0.511	-	7.31		0.511	-	8.3		0.0007	0.00003	0.2575	100
TOTAL													**0.038**	**0.0016**	**13.758**	**600**

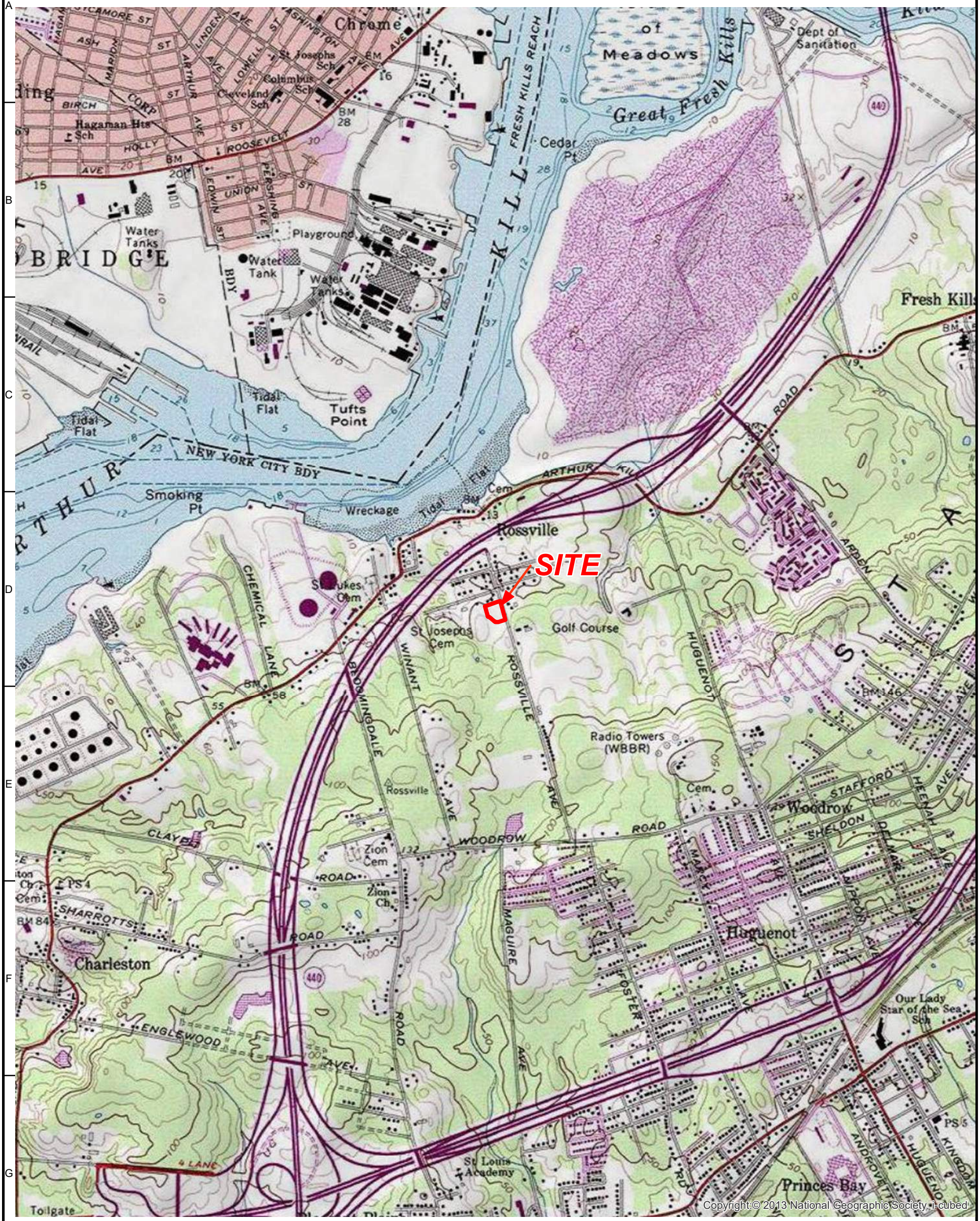
Notes:
g/mol - grams per mole
µg/m³ - microgram per cubic meter
Conc - concentration
Q - qualifier
RL - reporting limit
MDL - method detection limit
scfm - standard cubic feet per minute
lb/day - pounds per day

1. The vapor data summarized above was collected during Vapor Mitigation System Comissioning Sampling completed 18 April 2022. Both samples were collected from the blower system effluent during active extraction. Only detected compounds are listed above - a full list of analytes can be found in the complete laboratory report included in **Appendix I**.

2. Based on the above calculations, the estimated initial rate of VOC mass removal is approximately 0.038 lb/day.

3. Based on the above calculations, the yearly mass removal rates for High Toxicity Air Contaminants (HTAC) trichloroethene and vinyl chloride fall below NYCRR mass emissions limits.

FIGURES



Notes:
1. USGS Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS Online.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning, last updated 2018.

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Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
990-1026 ROSSVILLE AVENUE
BLOCK No. 7054, LOT No. 518
CITY OF STATEN ISLAND
RICHMOND COUNTY NEW YORK

Drawing Title
USGS SITE LOCATION MAP

Project No.	Figure
100849501	1
Date: 2/28/2020	
Scale: 1 " = 2,000 '	
Drawn By: KMB	

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Path: \\langan.com\data\PAR\data5\100849501\Project Data\ArcGIS\Export\PDF\Env_Figures\2020-02 QAPP\Figure 1 - Site Location Map.mxd Date: 2/28/2020 User: ibaker Time: 12:01:22 PM

Legend

- Site Boundary
- Tenant Areas
- Catch Basin
- Dry Well

Notes:
1. Aerial imagery provided through Langan's subscription to NearMap, imagery dated September 27, 2019.
2. Parcel information from MapPLUTO 20v1 copyrighted by the New York City Department of Planning.
3. Locations of catch basins and dry wells shown are approximate and based on field measurements.

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Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P..C.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
990-1026 ROSSVILLE AVENUE

BLOCK No. 7054, LOT No. 518

STATEN ISLAND NEW YORK

Drawing Title
SITE PLAN

Project No.	100849501
Date	3/5/2020
Scale	1 " = 50 '
Drawn By	IHB

Figure 2

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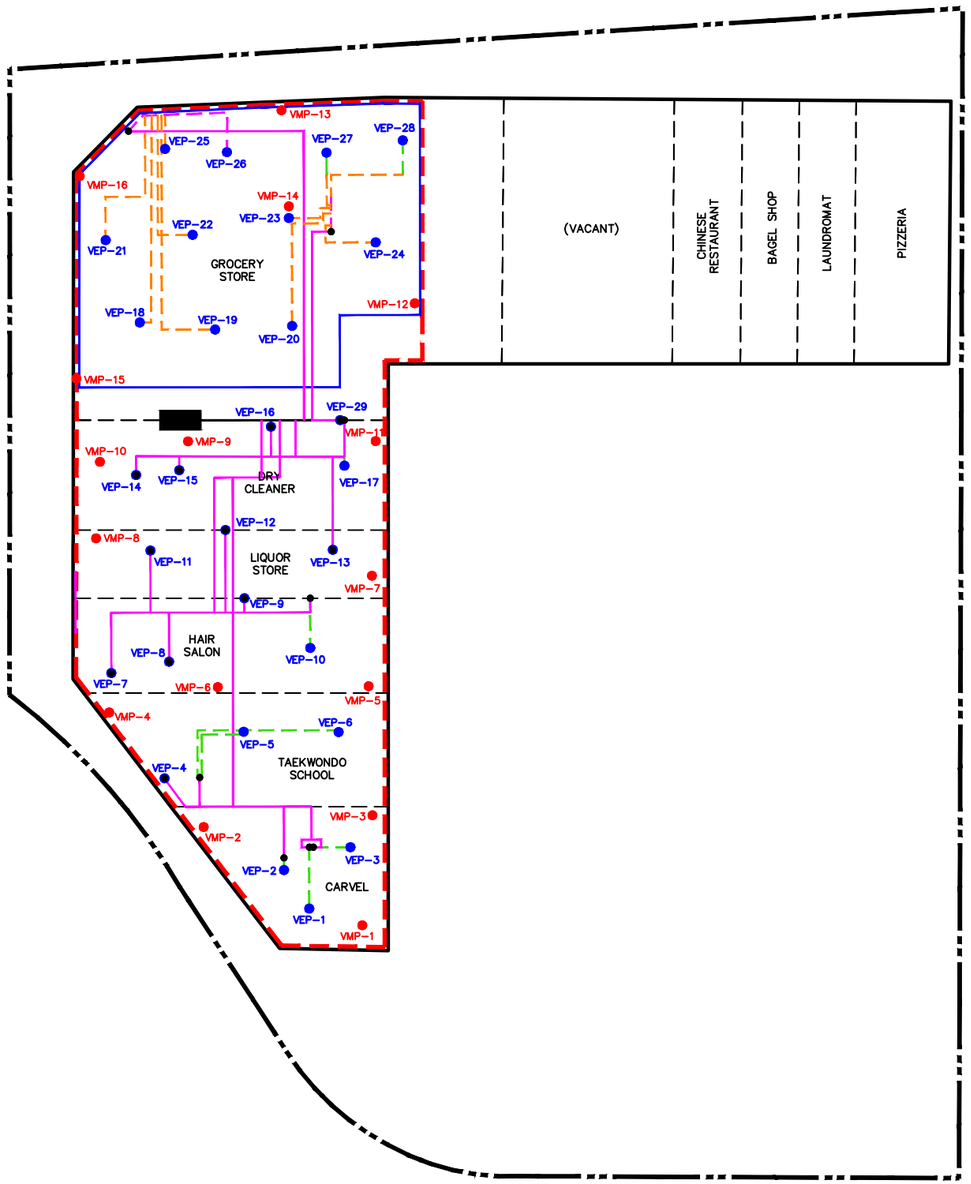
Path: \\langan.com\data\PAR\data5\100849501\Project Data\ArcGIS\Export\PDF\Env_Figures\2020-02 Phase II Investigation\Figure 2 - Site Plan.mxd Date: 3/5/2020 User: ibaker Time: 3:23:38 PM



LEGEND:

- PROPERTY LINE
- EXISTING BUILDING OUTLINE
- INTERIOR WALL
- VEP-1 SSDS FULL-SCALE VEP
- VMP-1 SSDS FULL-SCALE VMP
- SSDS MITIGATION AREA
- APPROXIMATE BASEMENT EXTENTS
- INDIVIDUAL BELOW GRADE WELL LINE (SCH40 PVC)
- INDIVIDUAL ABOVE GROUND WELL LINE (2-INCH BLACK STEEL)
- INTERIOR SUB-HEADER LINE (4-INCH BLACK STEEL)
- EXTERIOR SUB-HEADER LINE (4-INCH SCH40 PVC)
- EXTERIOR MAIN HEADER LINE (6-INCH SCH40 PVC)
- ROOF PENETRATION LOCATION
- APPROXIMATE LOCATION OF PROCESS EQUIPMENT ON ROOF

NOTES:

PVC – POLYVINYL CHLORIDE
SCH – SCHEDULE
SSDS – SUB-SLAB DEPRESSURIZATION SYSTEM
VEP – VAPOR EXTRACTION POINT
VMP – VACUUM MONITORING POINT

1. THE VEP LOCATIONS AND ASSOCIATED MANIFOLD PIPING WERE CO-LOCATED WITH BUILDING WALLS, TO THE EXTENT POSSIBLE, TO MINIMIZE TRENCHING AND DISTURBANCE TO NORMAL BUSINESS OPERATIONS FOLLOWING SYSTEM INSTALLATION.
2. THE VEP LOCATIONS WERE PIPED EITHER VERTICALLY OR HORIZONTALLY VIA INDIVIDUAL VEP LINES. WHERE THE VEP WAS CO-LOCATED WITH A BUILDING WALL, THE INDIVIDUAL VEP LINE (2-INCH BLACK STEEL) WAS RUN VERTICALLY ALONG THE WALL TO THE CEILING.
3. WHERE THE VEP WAS NOT CO-LOCATED WITH A BUILDING WALL, THE INDIVIDUAL VEP LINE WAS FIRST RUN HORIZONTALLY BENEATH THE EXISTING BUILDING SLAB (2-INCH SCH 40 PVC), REQUIRING TRENCHING, TO THE NEAREST BUILDING WALL AND THEN RUN VERTICALLY ALONG THE WALL (2-INCH BLACK STEEL) TO THE CEILING.
4. WITHIN THE GROCERY STORE SPACE, INDIVIDUAL VEP LINES MANIFOLD INTO ONE OF TWO 4-INCH SCH 40 BLACK STEEL SUB-HEADER LINES AT THE BASEMENT CEILING PRIOR TO PENETRATING THE ROOF. IN ALL SPACES OUTSIDE OF THE GROCERY STORE, INDIVIDUAL VEP LINES PENETRATE THE ROOF AND ARE THEN MANIFOLD INTO ONE OF THREE 4-INCH SCH 40 PVC SUB-HEADER LINES.
5. EACH 4-INCH SUB-HEADER LINE CONNECTED FIVE OR SIX VEP LOCATIONS TOGETHER AND WAS MANIFOLD TO THE 6-INCH SCH40 PVC MAIN HEADER LINE, WHICH WAS SUBSEQUENTLY CONNECTED TO THE ROOF-MOUNTED PROCESS EQUIPMENT. ALL EXTERIOR PIPING WAS EQUIPPED WITH INSULATION.
6. ALL SSDS PIPING WAS SLOPED TOWARDS THE VEP LOCATIONS TO PREVENT THE POTENTIAL ACCUMULATION OF CONDENSATION.
7. ALL ABOVE GROUND SSDS MANIFOLD PIPING IS CLEARLY LABELED AS "SUB-SLAB DEPRESSURIZATION SYSTEM".
8. SSDS EXHAUST MAINTAINS A MINIMUM 10-FOOT CLEARANCE OF ANY WINDOW, DOOR, OR INTAKE.
9. EACH INDIVIDUAL VEP LINE WAS EQUIPPED WITH A VACUUM GAUGE, GATE VALVE, AND SAMPLE PORT FOR MONITORING AND PERFORMANCE ADJUSTMENTS. THE WELL-SPECIFIC INSTRUMENTATION WAS LOCATED ABOVE-GROUND AND IS ACCESSIBLE FOR FUTURE ACCESS.
10. THE SSDS PROCESS EQUIPMENT WAS INSTALLED ON THE ROOF OF THE EXISTING BUILDING IN A NOISE AND WEATHER-PROOF ENCLOSURE.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

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STATE OF NEW YORK * STEWART HARRIS ABRAMS * 078833 * LICENSED PROFESSIONAL ENGINEER

5/19/23
SIGNATURE DATE SIGNED
STEWART ABRAMS
PROFESSIONAL ENGINEER NY LIC. No. 078833-1

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NJ Certificate of Authorization No.24GA27996400

Project
990-1026 ROSSVILLE AVENUE
BLOCK No. 7054, LOT No. 518
STATEN ISLAND NEW YORK

Drawing Title
SSDS WELL MANIFOLD LAYOUT

Project No.	Figure No.
100849501	3
Date: 08/26/2022	
Drawn By: AC/AL	
Checked By: MA	

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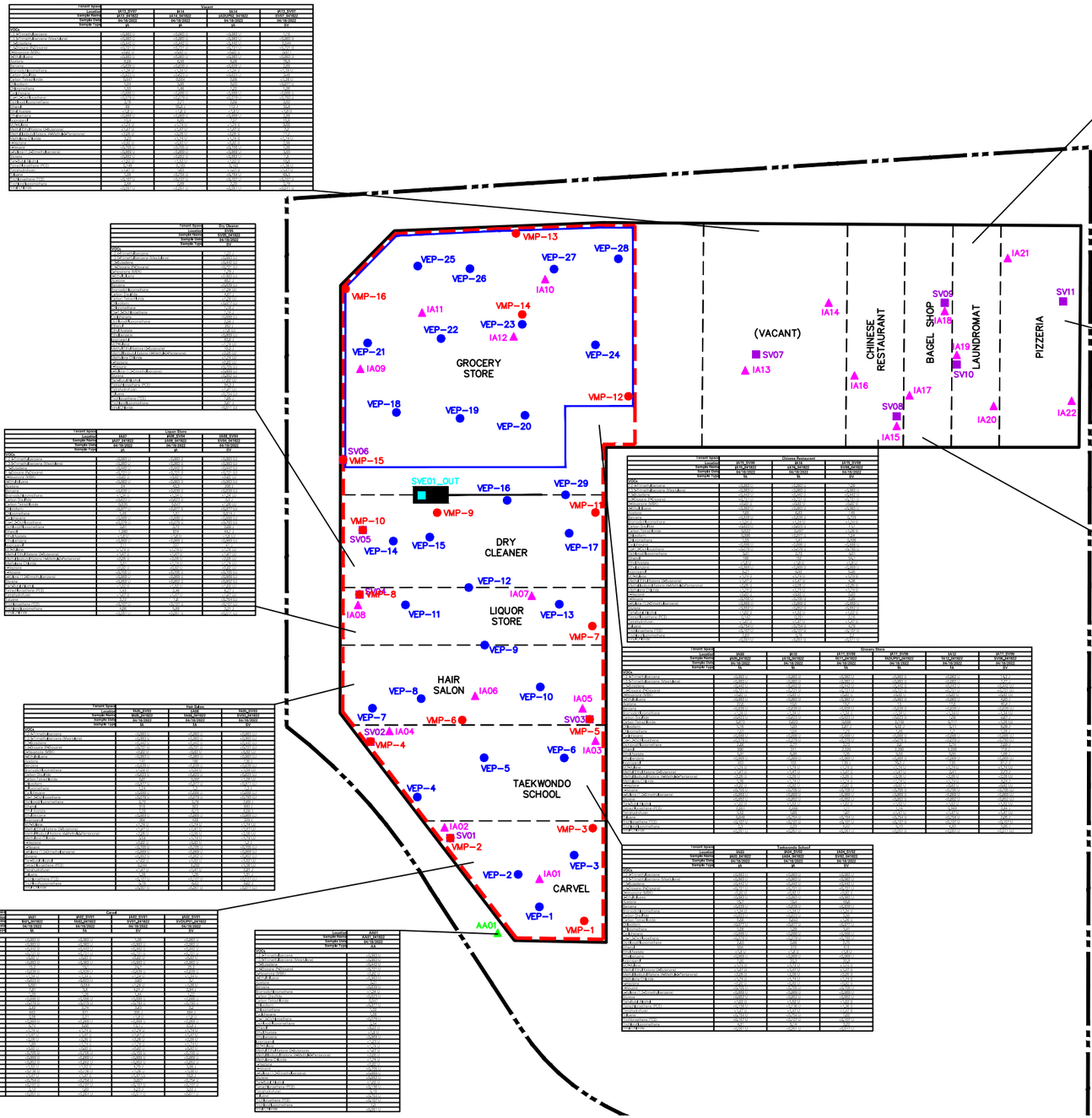
Filename: \\Langan.com\data\PAR\data5\100849501\Project Data\CAD\01\SheetFiles\Environmental\SSDS Design As-Built\FG02-100849501-ND101-0101_AS-BUILT LAYOUT.dwg Date: 5/19/2023 Time: 14:23 User: alooman Style Table: Langan.stb Layout: CCR
FIG 3 SSDS LAYOUT



LEGEND:

- PROPERTY LINE
- EXISTING BUILDING OUTLINE
- INTERIOR WALL
- VEP-1 — SSDS FULL-SCALE VEP
- VMP-1 — SSDS FULL-SCALE VMP
- SSDS MITIGATION AREA
- APPROXIMATE BASEMENT EXTENTS
- APPROXIMATE LOCATION OF SSDS PROCESS EQUIPMENT ON ROOF
- AA01 — AMBIENT AIR SAMPLE
- IA01 — INDOOR AIR SAMPLE LOCATION
- SV01 — SUB-SLAB SOIL VAPOR SAMPLE
- SVE01_OUT — SYSTEM EFFLUENT VAPOR SAMPLE

NOTES:

AA	AMBIENT AIR
IA	INDOOR AIR
SV	SOIL VAPOR
SVE	SOIL VAPOR EXTRACTION SYSTEM EFFLUENT
SSDS	SUB-SLAB DEPRESSURIZATION SYSTEM
VEP	VAPOR EXTRACTION POINT
VMP	VACUUM MONITORING POINT

ANALYTICAL LEGEND:

1. ALL SAMPLES WERE COLLECTED BY LANGAN ON 18 APRIL 2022 AND SUBMITTED TO ALPHA LABORATORIES ON 19 APRIL 2022.
2. UNLESS OTHERWISE NOTED, ALL SAMPLES WERE COLLECTED FROM THE GROUND LEVEL OF THE SITE.
3. SAMPLES IA11 AND IA12 WERE COLLECTED FROM THE BASEMENT OF THE GROCERY TENANT SPACE.
4. SAMPLE SVE01_OUT WAS COLLECTED FROM THE ROOF OF THE SITE WITHIN THE SSDS PROCESS EQUIPMENT ENCLOSURE.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

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NJ Certificate of Authorization No.24GA27996400

Project
990-1026 ROSSVILLE AVENUE
BLOCK No. 7054, LOT No. 518
STATEN ISLAND NEW YORK

Drawing Title
SUB-SLAB SOIL VAPOR AND AIR SAMPLE ANALYTICAL RESULTS MAP

Project No.	100849501
Date	08/26/2022
Drawn By	AC/AL
Checked By	MA

Figure No. 4

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Filename: \\Langan.com\data\PAR\data5\100849501\Project Data\CAD\01\SheetFiles\Environmental\SSDS Design As-Built\FG02-100849501-ND101-0101_AS-BUILT LAYOUT.dwg Date: 5/19/2023 Time: 14:27 User: alooman Style Table: Langan.stb Layout: SV IA SAMPLES

APPENDIX A

SSDS Pilot Test and Modeling Results

Appendix A
SSDS Pilot Testing Data Summary
Rossville Shopping Center
Staten Island, New York
Langan Project No.: 100843501

Time	VEP [At Wellhead]			VEP [At Process Equipment]		Monitoring Points Vacuum (IWC)							Notes
	Vacuum (IWC)	Temp (°F)	Flow (SCFM)	Vacuum (IWC)	Flow (SCFM)	VMP- 1 Distance - 5 ft	VMP- 2 Distance - 10 ft	VMP- 3 Distance - 20 ft	VMP- 4 Distance - 15 ft	VMP- 5 Distance - 50 ft	VMP-6 (Liquor Store) Distance - 20 ft	VMP-7 (Grocery Store) Distance - 15 ft	
Background	--	--	--	--	--	0.004	0.002	0.002	0.005	0.002	0.000	0.000	
10:40	-1.7	43.4	8.95	-2.5	148.82	-0.073	-0.003	0.000	0.015	0.000	-	-	Dilution 100% Open
11:00	-4.8	43.2	13.41	-5.1	153.21	-0.195	-0.024	0.000	0.006	0.001	-	-	Dilution 75% Open
11:30	-4.8	45.5	14.15	-5.1	157.56	-0.175	-0.024	-0.002	0.001	0.001	0.000	0.000	Dilution 75% Open
11:55	-10.3	52	20.25	-11.1	125.85	-0.39	-0.047	0.000	0.001	-0.001	0.000	0.000	Dilution 50% Open
12:30	-20.7	51.2	29.09	-21.3	109.38	-0.74	-0.086	-0.001	-0.018	0.000	-0.001	0.000	Dilution 25% Open
13:00	-56.1	48.9	51.65	-58.1	62.78	-1.662	-0.178	-0.012	-0.062	0.000	-0.008	0.000	Dilution 0% Open
13:30	-33	-	41.08	-33.8	88.63	-1.063	-0.124	-0.001	-0.035	0.000	-0.003	-	Dilution 10% Open
14:00	-15.5	-	26.06	-	-	-0.499	-0.065	0.000	-0.009	0.000	-0.001	-	Dilution 35% Open

Notes:
SSDS - sub slab depressurization system
VEP - vapor extraction point
VMP - vacuum monitoring point
IWC - inches of water column vacuum
°F - degrees Fahrenheit
SCFM - standard cubic feet per minute

Appendix A
Sub-Slab Depressurization System Pneumatic Modeling Results
Rossville Shopping Center
Staten Island, New York
Langan Project No.: 100849501

Approach

- The January 2020 sub-slab depressurization (SSDS) pilot test data was used as input to a subsurface pneumatic computer model (MDFIT) to determine design parameters for the proposed SSDS to mitigate potential migration of soil gas vapors into the overlying building.

Objectives

- Predict air flow rate and vacuum distribution in the subsurface
- Predict a system's performance under varying subsurface conditions
- Determine system design and operational parameters

Output Results

- Air intrinsic permeability, K_i
- Design air flow rates
- Vacuum propagation in the subsurface
- SSDS radius of influence (ROI)
- Process equipment sizing

MDFIT Modeling Simulation Procedures

Step 1 – K_i Estimation in x, y, z directions for existing subsurface material
Step 2 – K_i Calibration for existing subsurface material
Step 3 – Single well vacuum simulation for existing subsurface **(Design Basis)**

MDFIT Modeling Simulation Results

Step 1: Air Intrinsic Permeability Estimation
Model Runs

(Select model simulation results are provided herein. A complete set of model runs can be provided upon request)

(Refer to the January 2020 SSDS pilot testing results summary)

MDFIT Modeling Simulation Results
Step 1: Air Intrinsic Permeability Estimation
Rossville Shopping Center
Staten Island, New York
Langan Project No.: 100849501

Flow Condition (scfm)	$K_R=K_Z$ (cm^2)	K_C/B_C (cm)	K_C (cm^2)
Test Area 1 [VEP-1]			
8.95	3.81E-06	1.44E-09	1.44E-08
13.41	2.27E-06	1.40E-12	1.40E-11
14.15	2.35E-06	4.25E-12	4.25E-11
20.25	2.03E-06	6.41E-17	6.41E-16
29.09	5.16E-06	5.61E-45	5.61E-44
51.65	3.53E-06	5.61E-45	5.61E-44
41.08	4.64E-06	5.61E-45	5.61E-44
26.06	6.16E-06	5.61E-45	5.61E-44
AVERAGE	**3.81E-06**	**1.44E-09**	**4.83E-09**
CALIBRATED	**2.38E-07**	**8.14E-09**	**8.14E-08**

Notes:
K_R = Horizontal Air Intrinsic Permeability of Existing Soils
K_Z = Vertical Air Intrinsic Permeability of Existing Soils
K_C = Air Intrinsic Permeability of Surface Layer [Confining Layer]
B_C = Model assumed thickness of Surface Layer [Confining Layer] = 10 cm
scfm = standard cubic feet per minute
cm^2 = square centimeters

Permeability

********** INPUT INFORMATION **********

Test information:

Depth to the top of screen (ft) = .5000E+00

Depth to the bottom of screen (ft) = .1500E+01

Depth to the groundwater table (ft) = .1000E+02

Radius of the test well (in.) = .2000E+01

Temperature of the soil (C) = .2000E+02

Flow rate of pumping/injection well(cfm)= .8950E+01

SCENARIO ------ 1

Simulated permabilities information and results:

KR=KZ= .5261E-05 Kc/Bc= .2003E-16
KR=KZ= .1261E-04 Kc/Bc=
KR=KZ= .4010E-05 Kc/Bc= .3447E-10
KR=KZ= .1365E-05 Kc/Bc=
KR=KZ= .3807E-05 Kc/Bc= .1443E-08
KR=KZ= .1636E-06 Kc/Bc=

SCENARIO ------ 2

Simulated permabilities information and results:

KR=KZ=   .5261E-05 Kc/Bc=   .7969E-29
KR=KZ=   .2429E-03 Kc/Bc=
KR=KZ=   .3027E-05 Kc/Bc=   .6473E-17
KR=KZ=   .1020E-03 Kc/Bc=
KR=KZ=   .2274E-05 Kc/Bc=   .1396E-11
KR=KZ=   .2223E-04 Kc/Bc=

SCENARIO ------   3

Simulated permabilities information and results:

KR=KZ=   .5261E-05 Kc/Bc=   .2579E-27
KR=KZ=   .2312E-03 Kc/Bc=
KR=KZ=   .3057E-05 Kc/Bc=   .4803E-16
KR=KZ=   .8936E-04 Kc/Bc=
KR=KZ=   .2345E-05 Kc/Bc=   .4247E-11
KR=KZ=   .1728E-04 Kc/Bc=

SCENARIO ------   4

Simulated permabilities information and results:

KR=KZ=   .5846E-05 Kc/Bc=   .1564E-39
KR=KZ=   .1401E-02 Kc/Bc=
KR=KZ=   .3263E-05 Kc/Bc=   .1319E-24
KR=KZ=   .9192E-03 Kc/Bc=
KR=KZ=   .2031E-05 Kc/Bc=   .6411E-16
KR=KZ=   .3834E-03 Kc/Bc=

SCENARIO ------ 5

Simulated permabilities information and results:

KR=KZ= .4735E-05 Kc/Bc= .5605E-44
KR=KZ= .5819E-02 Kc/Bc=
KR=KZ= .5231E-05 Kc/Bc= .5605E-44
KR=KZ= .5817E-02 Kc/Bc=
KR=KZ= .5158E-05 Kc/Bc= .5605E-44
KR=KZ= .5817E-02 Kc/Bc=

SCENARIO ------ 6

Simulated permabilities information and results:

KR=KZ= .3107E-05 Kc/Bc= .5605E-44
KR=KZ= .3908E-01 Kc/Bc=
KR=KZ= .3571E-05 Kc/Bc= .5605E-44
KR=KZ= .3906E-01 Kc/Bc=
KR=KZ= .3528E-05 Kc/Bc= .5605E-44
KR=KZ= .3906E-01 Kc/Bc=

SCENARIO ------ 7

Simulated permabilities information and results:

KR=KZ= .4262E-05 Kc/Bc= .5605E-44

KR=KZ= .1436E-01 Kc/Bc=
KR=KZ= .4707E-05 Kc/Bc= .5605E-44
KR=KZ= .1435E-01 Kc/Bc=
KR=KZ= .4642E-05 Kc/Bc= .5605E-44
KR=KZ= .1435E-01 Kc/Bc=

SCENARIO ------ 8

Simulated permabilities information and results:

KR=KZ= .5846E-05 Kc/Bc= .5605E-44
KR=KZ= .3321E-02 Kc/Bc=
KR=KZ= .6205E-05 Kc/Bc= .5605E-44
KR=KZ= .3315E-02 Kc/Bc=
KR=KZ= .6156E-05 Kc/Bc= .5605E-44
KR=KZ= .3315E-02 Kc/Bc=

MDFIT Modeling Simulation Results

Step 2: Air Intrinsic Permeability Calibration
Model Runs

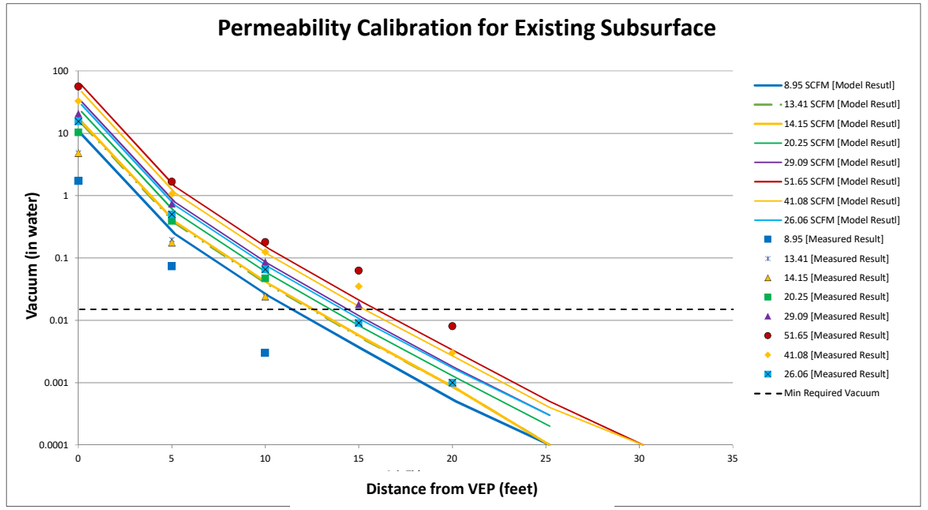
(Select model simulation results are provided herein. A complete set of model runs can be provided upon request)

MDFIT Modeling Simulation Results
Step 2: Air Intrinsic Permeability Calibration
Rossville Shopping Center
Staten Island, New York
Langan Project No.: 100849501

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESSURE (atm)	PRESSURE (inH_2O)	VELOCITY (ft/s)
8.95 SCFM [Model Resutl]					
5.08E+00	1.67E-01	5.00E-01	0.9762	9.6791	3.44E-01
1.57E+02	5.17E+00	5.00E-01	0.9994	0.242	1.66E-03
3.10E+02	1.02E+01	5.00E-01	0.9999	0.0243	1.46E-04
4.62E+02	1.52E+01	5.00E-01	1	0.0034	1.86E-05
6.15E+02	2.02E+01	5.00E-01	1	0.0005	2.79E-06
7.67E+02	2.52E+01	5.00E-01	1	0.0001	4.58E-07
9.19E+02	3.02E+01	5.00E-01	1	0	7.96E-08
1.07E+03	3.52E+01	5.00E-01	1	0	1.43E-08
1.22E+03	4.02E+01	5.00E-01	1	0	2.62E-09
1.38E+03	4.52E+01	5.00E-01	1	0	4.87E-10
1.53E+03	5.02E+01	5.00E-01	1	0	9.15E-11
1.68E+03	5.52E+01	5.00E-01	1	0	1.73E-11
1.83E+03	6.02E+01	5.00E-01	1	0	3.29E-12
1.99E+03	6.52E+01	5.00E-01	1	0	6.28E-13
2.14E+03	7.02E+01	5.00E-01	1	0	1.20E-13
2.29E+03	7.52E+01	5.00E-01	1	0	2.31E-14
2.44E+03	8.02E+01	5.00E-01	1	0	4.44E-15
2.60E+03	8.52E+01	5.00E-01	1	0	8.57E-16
2.75E+03	9.02E+01	5.00E-01	1	0	1.66E-16
2.90E+03	9.52E+01	5.00E-01	1	0	3.21E-17
13.41 SCFM [Model Resutl]					
5.08E+00	1.67E-01	5.00E-01	0.9642	14.5915	5.22E-01
1.57E+02	5.17E+00	5.00E-01	0.9991	0.3627	2.48E-03
3.10E+02	1.02E+01	5.00E-01	0.9999	0.0364	2.18E-04
4.62E+02	1.52E+01	5.00E-01	1	0.0051	2.78E-05
6.15E+02	2.02E+01	5.00E-01	1	0.0008	4.18E-06
7.67E+02	2.52E+01	5.00E-01	1	0.0001	6.87E-07
9.19E+02	3.02E+01	5.00E-01	1	0	1.19E-07
1.07E+03	3.52E+01	5.00E-01	1	0	2.14E-08
1.22E+03	4.02E+01	5.00E-01	1	0	3.93E-09
1.38E+03	4.52E+01	5.00E-01	1	0	7.30E-10
1.53E+03	5.02E+01	5.00E-01	1	0	1.37E-10
1.68E+03	5.52E+01	5.00E-01	1	0	2.59E-11
1.83E+03	6.02E+01	5.00E-01	1	0	4.93E-12
1.99E+03	6.52E+01	5.00E-01	1	0	9.40E-13
2.14E+03	7.02E+01	5.00E-01	1	0	1.80E-13
2.29E+03	7.52E+01	5.00E-01	1	0	3.46E-14
2.44E+03	8.02E+01	5.00E-01	1	0	6.66E-15
2.60E+03	8.52E+01	5.00E-01	1	0	1.28E-15
2.75E+03	9.02E+01	5.00E-01	1	0	2.48E-16
2.90E+03	9.52E+01	5.00E-01	1	0	4.80E-17
14.15 SCFM [Model Resutl]					
5.08E+00	1.67E-01	5.00E-01	0.9621	15.4126	5.52E-01
1.57E+02	5.17E+00	5.00E-01	0.9991	0.3827	2.62E-03
3.10E+02	1.02E+01	5.00E-01	0.9999	0.0384	2.30E-04
4.62E+02	1.52E+01	5.00E-01	1	0.0053	2.94E-05
6.15E+02	2.02E+01	5.00E-01	1	0.0008	4.41E-06
7.67E+02	2.52E+01	5.00E-01	1	0.0001	7.25E-07
9.19E+02	3.02E+01	5.00E-01	1	0	1.26E-07
1.07E+03	3.52E+01	5.00E-01	1	0	2.26E-08
1.22E+03	4.02E+01	5.00E-01	1	0	4.14E-09
1.38E+03	4.52E+01	5.00E-01	1	0	7.70E-10
1.53E+03	5.02E+01	5.00E-01	1	0	1.45E-10
1.68E+03	5.52E+01	5.00E-01	1	0	2.74E-11
1.83E+03	6.02E+01	5.00E-01	1	0	5.20E-12
1.99E+03	6.52E+01	5.00E-01	1	0	9.92E-13
2.14E+03	7.02E+01	5.00E-01	1	0	1.90E-13
2.29E+03	7.52E+01	5.00E-01	1	0	3.65E-14
2.44E+03	8.02E+01	5.00E-01	1	0	7.02E-15
2.60E+03	8.52E+01	5.00E-01	1	0	1.36E-15
2.75E+03	9.02E+01	5.00E-01	1	0	2.62E-16
2.90E+03	9.52E+01	5.00E-01	1	0	5.07E-17
20.25 SCFM [Model Resutl]					
5.08E+00	1.67E-01	5.00E-01	0.9454	22.2472	8.04E-01
1.57E+02	5.17E+00	5.00E-01	0.9987	0.5478	3.75E-03
3.10E+02	1.02E+01	5.00E-01	0.9999	0.0549	3.29E-04
4.62E+02	1.52E+01	5.00E-01	1	0.0076	4.20E-05
6.15E+02	2.02E+01	5.00E-01	1	0.0012	6.31E-06
7.67E+02	2.52E+01	5.00E-01	1	0.0002	1.04E-06
9.19E+02	3.02E+01	5.00E-01	1	0	1.80E-07
1.07E+03	3.52E+01	5.00E-01	1	0	3.23E-08
1.22E+03	4.02E+01	5.00E-01	1	0	5.93E-09
1.38E+03	4.52E+01	5.00E-01	1	0	1.10E-09
1.53E+03	5.02E+01	5.00E-01	1	0	2.07E-10
1.68E+03	5.52E+01	5.00E-01	1	0	3.91E-11
1.83E+03	6.02E+01	5.00E-01	1	0	7.44E-12
1.99E+03	6.52E+01	5.00E-01	1	0	1.42E-12
2.14E+03	7.02E+01	5.00E-01	1	0	2.72E-13
2.29E+03	7.52E+01	5.00E-01	1	0	5.22E-14
2.44E+03	8.02E+01	5.00E-01	1	0	1.01E-14
2.60E+03	8.52E+01	5.00E-01	1	0	1.94E-15
2.75E+03	9.02E+01	5.00E-01	1	0	3.75E-16
2.90E+03	9.52E+01	5.00E-01	1	0	7.26E-17

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESSURE (atm)	PRESSURE (inH_2O)	VELOCITY (ft/s)
29.09 SCFM [Model Resutl]					
5.08E+00	1.67E-01	5.00E-01	0.9205	32.373	1.19E+00
1.57E+02	5.17E+00	5.00E-01	0.9981	0.7872	5.39E-03
3.10E+02	1.02E+01	5.00E-01	0.9998	0.0789	4.73E-04
4.62E+02	1.52E+01	5.00E-01	1	0.011	6.04E-05
6.15E+02	2.02E+01	5.00E-01	1	0.0017	9.06E-06
7.67E+02	2.52E+01	5.00E-01	1	0.0003	1.49E-06
9.19E+02	3.02E+01	5.00E-01	1	0	2.59E-07
1.07E+03	3.52E+01	5.00E-01	1	0	4.64E-08
1.22E+03	4.02E+01	5.00E-01	1	0	8.52E-09
1.38E+03	4.52E+01	5.00E-01	1	0	1.58E-09
1.53E+03	5.02E+01	5.00E-01	1	0	2.97E-10
1.68E+03	5.52E+01	5.00E-01	1	0	5.62E-11
1.83E+03	6.02E+01	5.00E-01	1	0	1.07E-11
1.99E+03	6.52E+01	5.00E-01	1	0	2.04E-12
2.14E+03	7.02E+01	5.00E-01	1	0	3.91E-13
2.29E+03	7.52E+01	5.00E-01	1	0	7.50E-14
2.44E+03	8.02E+01	5.00E-01	1	0	1.44E-14
2.60E+03	8.52E+01	5.00E-01	1	0	2.79E-15
2.75E+03	9.02E+01	5.00E-01	1	0	5.38E-16
2.90E+03	9.52E+01	5.00E-01	1	0	1.04E-16
51.65 SCFM [Model Resutl]					
5.08E+00	1.67E-01	5.00E-01	0.8537	59.5489	2.27E+00
1.57E+02	5.17E+00	5.00E-01	0.9966	1.3987	9.59E-03
3.10E+02	1.02E+01	5.00E-01	0.9997	0.1401	8.41E-04
4.62E+02	1.52E+01	5.00E-01	1	0.0195	1.07E-04
6.15E+02	2.02E+01	5.00E-01	1	0.0031	1.61E-05
7.67E+02	2.52E+01	5.00E-01	1	0.0005	2.65E-06
9.19E+02	3.02E+01	5.00E-01	1	0.0001	4.59E-07
1.07E+03	3.52E+01	5.00E-01	1	0	8.25E-08
1.22E+03	4.02E+01	5.00E-01	1	0	1.51E-08
1.38E+03	4.52E+01	5.00E-01	1	0	2.81E-09
1.53E+03	5.02E+01	5.00E-01	1	0	5.28E-10
1.68E+03	5.52E+01	5.00E-01	1	0	9.98E-11
1.83E+03	6.02E+01	5.00E-01	1	0	1.90E-11
1.99E+03	6.52E+01	5.00E-01	1	0	3.62E-12
2.14E+03	7.02E+01	5.00E-01	1	0	6.94E-13
2.29E+03	7.52E+01	5.00E-01	1	0	1.33E-13
2.44E+03	8.02E+01	5.00E-01	1	0	2.56E-14
2.60E+03	8.52E+01	5.00E-01	1	0	4.95E-15
2.75E+03	9.02E+01	5.00E-01	1	0	9.56E-16
2.90E+03	9.52E+01	5.00E-01	1	0	1.85E-16
41.08 SCFM [Model Resutl]					
5.08E+00	1.67E-01	5.00E-01	0.8856	46.5611	1.74E+00
1.57E+02	5.17E+00	5.00E-01	0.9973	1.112	7.62E-03
3.10E+02	1.02E+01	5.00E-01	0.9997	0.1114	6.68E-04
4.62E+02	1.52E+01	5.00E-01	1	0.0155	8.53E-05
6.15E+02	2.02E+01	5.00E-01	1	0.0025	1.28E-05
7.67E+02	2.52E+01	5.00E-01	1	0.0004	2.10E-06
9.19E+02	3.02E+01	5.00E-01	1	0.0001	3.65E-07
1.07E+03	3.52E+01	5.00E-01	1	0	6.56E-08
1.22E+03	4.02E+01	5.00E-01	1	0	1.20E-08
1.38E+03	4.52E+01	5.00E-01	1	0	2.24E-09
1.53E+03	5.02E+01	5.00E-01	1	0	4.20E-10
1.68E+03	5.52E+01	5.00E-01	1	0	7.94E-11
1.83E+03	6.02E+01	5.00E-01	1	0	1.51E-11
1.99E+03	6.52E+01	5.00E-01	1	0	2.88E-12
2.14E+03	7.02E+01	5.00E-01	1	0	5.52E-13
2.29E+03	7.52E+01	5.00E-01	1	0	1.06E-13
2.44E+03	8.02E+01	5.00E-01	1	0	2.04E-14
2.60E+03	8.52E+01	5.00E-01	1	0	3.93E-15
2.75E+03	9.02E+01	5.00E-01	1	0	7.60E-16
2.90E+03	9.52E+01	5.00E-01	1	0	1.47E-16
26.06 SCFM [Model Resutl]					
5.08E+00	1.67E-01	5.00E-01	0.9291	28.8717	1.05E+00
1.57E+02	5.17E+00	5.00E-01	0.9983	0.7051	4.83E-03
3.10E+02	1.02E+01	5.00E-01	0.9998	0.0707	4.24E-04
4.62E+02	1.52E+01	5.00E-01	1	0.0099	5.41E-05
6.15E+02	2.02E+01	5.00E-01	1	0.0016	8.12E-06
7.67E+02	2.52E+01	5.00E-01	1	0.0003	1.34E-06
9.19E+02	3.02E+01	5.00E-01	1	0	2.32E-07
1.07E+03	3.52E+01	5.00E-01	1	0	4.16E-08
1.22E+03	4.02E+01	5.00E-01	1	0	7.63E-09
1.38E+03	4.52E+01	5.00E-01	1	0	1.42E-09
1.53E+03	5.02E+01	5.00E-01	1	0	2.66E-10
1.68E+03	5.52E+01	5.00E-01	1	0	5.04E-11
1.83E+03	6.02E+01	5.00E-01	1	0	9.57E-12
1.99E+03	6.52E+01	5.00E-01	1	0	1.83E-12
2.14E+03	7.02E+01	5.00E-01	1	0	3.50E-13
2.29E+03	7.52E+01	5.00E-01	1	0	6.72E-14
2.44E+03	8.02E+01	5.00E-01	1	0	1.29E-14
2.60E+03	8.52E+01	5.00E-01	1	0	2.50E-15
2.75E+03	9.02E+01	5.00E-01	1	0	4.82E-16
2.90E+03	9.52E+01	5.00E-01	1	0	9.34E-17

Measured Vacuum		
Flow	Vacuum	Distance
Test Area 1 [VEP-1]		
8.95 [Measured Result]	1.7	0
	0.073	5
	0.003	10
	0	15
	0	20
	0.000	50
	0	20
13.41 [Measured Result]	4.8	0
	0.195	5
	0.024	10
	0	15
	0	20
	0	50
	0	20
14.15 [Measured Result]	4.8	0
	0.175	5
	0.024	10
	0	15
	0.000	20
	0	50
	0.000	20
20.25 [Measured Result]	10.3	0
	0.39	5
	0.047	10
	0	15
	0.000	20
	0.001	50
	0.000	20
29.09 [Measured Result]	20.7	0
	0.74	5
	0.086	10
	0.018	15
	0.001	20
	0.000	50
	0.001	20
51.65 [Measured Result]	56.1	0
	1.662	5
	0.178	10
	0.062	15
	0.008	20
	0.000	50
	0.008	20
41.08 [Measured Result]	33	0
	1.063	5
	0.124	10
	0.035	15
	0.003	20
	0.000	50
	0.003	20
26.06 [Measured Result]	15.5	0
	0.499	5
	0.065	10
	0.009	15
	0.001	20
	0.000	50
	0.001	20



INPUT PARAMETERS		
Depth to the top of screen (ft)	=	5.00E-01
Depth to the bottom of screen (ft)	=	1.50E+00
Depth to the groundwater table (ft)	=	1.00E+01
Depth to the simulated elevation(ft)	=	5.00E-01
Radius of the simulating well (in.)	=	2.00E+00
Temperature of the soil (C)	=	2.00E+01
Flow rate of pumping/injection well(cfm)	=	Variable
Soil porosity(Dimensionless)	=	2.50E-01
Peameability for R direction (cm**2)	=	2.38E-07
Peameability for Z direction (cm**2)	=	2.38E-07
Peameability Kc/Bc	=	8.14E-09

Calibration

----- Simulated Scenario ----- 1

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.8950E+01
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9762	9.6791	.3442E+00
.157E+03	.517E+01	.500E+00	.9994	.2420	.1657E-02
.310E+03	.102E+02	.500E+00	.9999	.0243	.1456E-03
.462E+03	.152E+02	.500E+00	1.0000	.0034	.1858E-04
.615E+03	.202E+02	.500E+00	1.0000	.0005	.2789E-05
.767E+03	.252E+02	.500E+00	1.0000	.0001	.4584E-06
.919E+03	.302E+02	.500E+00	1.0000	.0000	.7958E-07
.107E+04	.352E+02	.500E+00	1.0000	.0000	.1429E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.2620E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.4873E-09
.153E+04	.502E+02	.500E+00	1.0000	.0000	.9149E-10
.168E+04	.552E+02	.500E+00	1.0000	.0000	.1730E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.3288E-11
.199E+04	.652E+02	.500E+00	1.0000	.0000	.6275E-12
.214E+04	.702E+02	.500E+00	1.0000	.0000	.1202E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.2308E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.4443E-14
.260E+04	.852E+02	.500E+00	1.0000	.0000	.8571E-15
.275E+04	.902E+02	.500E+00	1.0000	.0000	.1656E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.3206E-16

----- Simulated Scenario ----- 2

Simulating information:

Depth to the top of screen (ft) = .5000E+00

Depth to the bottom of screen (ft) = .1500E+01

Depth to the groundwater table (ft) = .1000E+02

Depth to the simulated elevation(ft) = .5000E+00

Radius of the simulating well (in.) = .2000E+01

Temperature of the soil (C) = .2000E+02

Flow rate of pumping/injection well(cfm)= .1341E+02

Soil porosity(Dimensionless) = .2500E+00

Peameability for R direction (cm**2) = .2381E-06

Peameability for Z direction (cm**2) = .2381E-06

Peameability Kc/Bc = .8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9642	14.5915	.5221E+00
.157E+03	.517E+01	.500E+00	.9991	.3627	.2484E-02
.310E+03	.102E+02	.500E+00	.9999	.0364	.2182E-03
.462E+03	.152E+02	.500E+00	1.0000	.0051	.2783E-04
.615E+03	.202E+02	.500E+00	1.0000	.0008	.4178E-05
.767E+03	.252E+02	.500E+00	1.0000	.0001	.6868E-06
.919E+03	.302E+02	.500E+00	1.0000	.0000	.1192E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.2141E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.3926E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.7301E-09
.153E+04	.502E+02	.500E+00	1.0000	.0000	.1371E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.2592E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.4926E-11
.199E+04	.652E+02	.500E+00	1.0000	.0000	.9402E-12
.214E+04	.702E+02	.500E+00	1.0000	.0000	.1801E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.3458E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.6657E-14
.260E+04	.852E+02	.500E+00	1.0000	.0000	.1284E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.2482E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.4804E-16

----- Simulated Scenario ----- 3

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.1415E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9621	15.4126	.5521E+00
.157E+03	.517E+01	.500E+00	.9991	.3827	.2621E-02
.310E+03	.102E+02	.500E+00	.9999	.0384	.2302E-03
.462E+03	.152E+02	.500E+00	1.0000	.0053	.2937E-04
.615E+03	.202E+02	.500E+00	1.0000	.0008	.4409E-05
.767E+03	.252E+02	.500E+00	1.0000	.0001	.7247E-06
.919E+03	.302E+02	.500E+00	1.0000	.0000	.1258E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.2259E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.4142E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.7704E-09
.153E+04	.502E+02	.500E+00	1.0000	.0000	.1446E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.2735E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.5198E-11
.199E+04	.652E+02	.500E+00	1.0000	.0000	.9921E-12
.214E+04	.702E+02	.500E+00	1.0000	.0000	.1900E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.3649E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.7024E-14
.260E+04	.852E+02	.500E+00	1.0000	.0000	.1355E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.2619E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.5069E-16

----- Simulated Scenario ----- 4

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.2025E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06

Peameability for Z direction (cm**2) = .2381E-06

Peameability Kc/Bc = .8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9454	22.2472	.8041E+00
.157E+03	.517E+01	.500E+00	.9987	.5478	.3752E-02
.310E+03	.102E+02	.500E+00	.9999	.0549	.3294E-03
.462E+03	.152E+02	.500E+00	1.0000	.0076	.4203E-04
.615E+03	.202E+02	.500E+00	1.0000	.0012	.6309E-05
.767E+03	.252E+02	.500E+00	1.0000	.0002	.1037E-05
.919E+03	.302E+02	.500E+00	1.0000	.0000	.1801E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.3233E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.5928E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.1102E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.2070E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.3914E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.7439E-11
.199E+04	.652E+02	.500E+00	1.0000	.0000	.1420E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.2719E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.5222E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.1005E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.1939E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.3748E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.7255E-16

----- Simulated Scenario ----- 5

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.2909E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)

.508E+01	.167E+00	.500E+00	.9205	32.3730	.1186E+01
.157E+03	.517E+01	.500E+00	.9981	.7872	.5393E-02
.310E+03	.102E+02	.500E+00	.9998	.0789	.4733E-03
.462E+03	.152E+02	.500E+00	1.0000	.0110	.6038E-04
.615E+03	.202E+02	.500E+00	1.0000	.0017	.9064E-05
.767E+03	.252E+02	.500E+00	1.0000	.0003	.1490E-05
.919E+03	.302E+02	.500E+00	1.0000	.0000	.2587E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.4644E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.8516E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.1584E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.2974E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.5622E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.1069E-10
.199E+04	.652E+02	.500E+00	1.0000	.0000	.2040E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.3906E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.7501E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.1444E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.2786E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.5384E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.1042E-15

----- Simulated Scenario ----- 6

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.5165E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.8537	59.5489	.2271E+01
.157E+03	.517E+01	.500E+00	.9966	1.3987	.9590E-02
.310E+03	.102E+02	.500E+00	.9997	.1401	.8405E-03
.462E+03	.152E+02	.500E+00	1.0000	.0195	.1072E-03
.615E+03	.202E+02	.500E+00	1.0000	.0031	.1609E-04
.767E+03	.252E+02	.500E+00	1.0000	.0005	.2645E-05
.919E+03	.302E+02	.500E+00	1.0000	.0001	.4592E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.8245E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.1512E-07
.138E+04	.452E+02	.500E+00	1.0000	.0000	.2812E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.5280E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.9983E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.1897E-10
.199E+04	.652E+02	.500E+00	1.0000	.0000	.3621E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.6935E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.1332E-12
.244E+04	.802E+02	.500E+00	1.0000	.0000	.2564E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.4946E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.9559E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.1850E-15

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.4108E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.8856	46.5611	.1741E+01
.157E+03	.517E+01	.500E+00	.9973	1.1120	.7622E-02
.310E+03	.102E+02	.500E+00	.9997	.1114	.6684E-03

.462E+03	.152E+02	.500E+00	1.0000	.0155	.8527E-04
.615E+03	.202E+02	.500E+00	1.0000	.0025	.1280E-04
.767E+03	.252E+02	.500E+00	1.0000	.0004	.2104E-05
.919E+03	.302E+02	.500E+00	1.0000	.0001	.3653E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.6558E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.1203E-07
.138E+04	.452E+02	.500E+00	1.0000	.0000	.2237E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.4199E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.7940E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.1509E-10
.199E+04	.652E+02	.500E+00	1.0000	.0000	.2880E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.5516E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.1059E-12
.244E+04	.802E+02	.500E+00	1.0000	.0000	.2039E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.3934E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.7603E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.1472E-15

----- Simulated Scenario ----- 8

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.2606E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9291	28.8717	.1053E+01
.157E+03	.517E+01	.500E+00	.9983	.7051	.4830E-02
.310E+03	.102E+02	.500E+00	.9998	.0707	.4240E-03
.462E+03	.152E+02	.500E+00	1.0000	.0099	.5409E-04
.615E+03	.202E+02	.500E+00	1.0000	.0016	.8120E-05
.767E+03	.252E+02	.500E+00	1.0000	.0003	.1335E-05
.919E+03	.302E+02	.500E+00	1.0000	.0000	.2317E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.4160E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.7629E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.1419E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.2664E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.5037E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.9573E-11
.199E+04	.652E+02	.500E+00	1.0000	.0000	.1827E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.3499E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.6720E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.1294E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.2496E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.4823E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.9336E-16

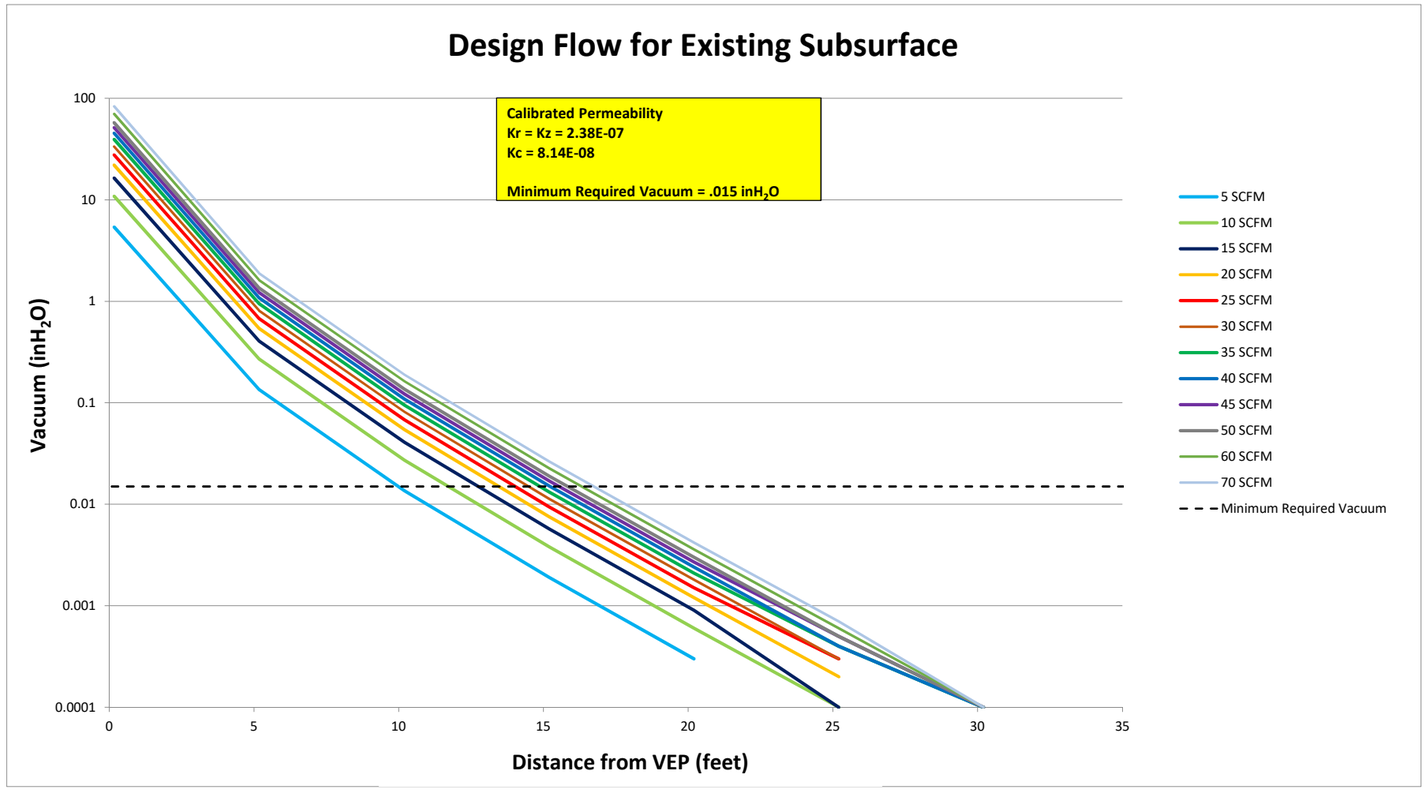
---------- Simulation finished ----------

MDFIT Modeling Simulation Results

Step 3: Design Subsurface Vacuum Propagation Model Runs

(Select model simulation results are provided herein. A complete set of model runs can be provided upon request)

MDFIT Modeling Simulation Results
Step 3: Design Subsurface Vacuum Propagation
Rossville Shopping Center
Staten Island, New York
Langan Project No.: 100849501



Parameters		
Depth to the top of screen (ft)	=	5.00E-01
Depth to the bottom of screen (ft)	=	1.50E+00
Depth to the groundwater table (ft)	=	1.00E+01
Depth to the simulated elevation(ft)	=	5.00E-01
Radius of the simulating well (in.)	=	2.00E+00
Temperature of the soil (C)	=	2.00E+01
Flow rate of pumping/injection well(cfm)	=	Variable
Soil porosity(Dimensionless)	=	2.50E-01
Permeability for R direction (cm**2)	=	2.38E-07
Permeability for Z direction (cm**2)	=	2.38E-07
Permeability Kc/Bc	=	8.14E-09

MDFIT Modeling Simulation Results
Step 3: Design Subsurface Vacuum Propagation
Rossville Shopping Center
Staten Island, New York
Langan Project No.: 100849501

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESSURE (atm)	PRESSURE (inH_2O)	VELOCITY (ft/s)	Pore Volume Exchanges (per year)	RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESSURE (atm)	PRESSURE (inH_2O)	VELOCITY (ft/s)	Pore Volume Exchanges (per year)
5 SCFM							35 SCFM						
5.08E+00	1.67E-01	5.00E-01	0.9868	5.3786	1.90E-01	0.00E+00	5.08E+00	1.67E-01	5.00E-01	0.9035	39.298	1.45E+00	0.00E+00
1.57E+02	5.17E+00	5.00E-01	0.9997	0.1352	9.26E-04	5.83E+05	1.57E+02	5.17E+00	5.00E-01	0.9977	0.9473	6.49E-03	4.46E+06
3.10E+02	1.02E+01	5.00E-01	1	0.0136	8.13E-05	1.56E+03	3.10E+02	1.02E+01	5.00E-01	0.9998	0.0949	5.70E-04	1.10E+04
4.62E+02	1.52E+01	5.00E-01	1	0.0019	1.04E-05	9.54E+01	4.62E+02	1.52E+01	5.00E-01	1	0.0132	7.27E-05	6.68E+02
6.15E+02	2.02E+01	5.00E-01	1	0.0003	1.56E-06	9.33E+00	6.15E+02	2.02E+01	5.00E-01	1	0.0021	1.09E-05	6.53E+01
7.67E+02	2.52E+01	5.00E-01	1	0	2.56E-07	1.14E+00	7.67E+02	2.52E+01	5.00E-01	1	0.0004	1.79E-06	7.96E+00
9.19E+02	3.02E+01	5.00E-01	1	0	4.45E-08	1.60E-01	9.19E+02	3.02E+01	5.00E-01	1	0.0001	3.11E-07	1.10E+00
1.07E+03	3.52E+01	5.00E-01	1	0	7.98E-09	2.00E-02	1.07E+03	3.52E+01	5.00E-01	1	0	5.59E-08	1.60E-01
1.22E+03	4.02E+01	5.00E-01	1	0	1.46E-09	0.00E+00	1.22E+03	4.02E+01	5.00E-01	1	0	1.03E-08	3.00E-02
1.38E+03	4.52E+01	5.00E-01	1	0	2.72E-10	0.00E+00	1.38E+03	4.52E+01	5.00E-01	1	0	1.91E-09	0.00E+00
1.53E+03	5.02E+01	5.00E-01	1	0	5.11E-11	0.00E+00	1.53E+03	5.02E+01	5.00E-01	1	0	3.58E-10	0.00E+00
1.68E+03	5.52E+01	5.00E-01	1	0	9.66E-12	0.00E+00	1.68E+03	5.52E+01	5.00E-01	1	0	6.77E-11	0.00E+00
1.83E+03	6.02E+01	5.00E-01	1	0	1.84E-12	0.00E+00	1.83E+03	6.02E+01	5.00E-01	1	0	1.29E-11	0.00E+00
1.99E+03	6.52E+01	5.00E-01	1	0	3.51E-13	0.00E+00	1.99E+03	6.52E+01	5.00E-01	1	0	2.45E-12	0.00E+00
2.14E+03	7.02E+01	5.00E-01	1	0	6.71E-14	0.00E+00	2.14E+03	7.02E+01	5.00E-01	1	0	4.70E-13	0.00E+00
2.29E+03	7.52E+01	5.00E-01	1	0	1.29E-14	0.00E+00	2.29E+03	7.52E+01	5.00E-01	1	0	9.03E-14	0.00E+00
2.44E+03	8.02E+01	5.00E-01	1	0	2.48E-15	0.00E+00	2.44E+03	8.02E+01	5.00E-01	1	0	1.74E-14	0.00E+00
2.60E+03	8.52E+01	5.00E-01	1	0	4.79E-16	0.00E+00	2.60E+03	8.52E+01	5.00E-01	1	0	3.35E-15	0.00E+00
2.75E+03	9.02E+01	5.00E-01	1	0	9.25E-17	0.00E+00	2.75E+03	9.02E+01	5.00E-01	1	0	6.48E-16	0.00E+00
2.90E+03	9.52E+01	5.00E-01	1	0	1.79E-17	0.00E+00	2.90E+03	9.52E+01	5.00E-01	1	0	1.25E-16	0.00E+00
10 SCFM							40 SCFM						
5.08E+00	1.67E-01	5.00E-01	0.9734	10.8301	3.86E-01	0.00E+00	5.08E+00	1.67E-01	5.00E-01	0.8888	45.2603	1.69E+00	0.00E+00
1.57E+02	5.17E+00	5.00E-01	0.9993	0.2704	1.85E-03	1.18E+06	1.57E+02	5.17E+00	5.00E-01	0.9973	1.0828	7.42E-03	5.18E+06
3.10E+02	1.02E+01	5.00E-01	0.9999	0.0271	1.63E-04	3.12E+03	3.10E+02	1.02E+01	5.00E-01	0.9997	0.1085	6.51E-04	1.25E+04
4.62E+02	1.52E+01	5.00E-01	1	0.0038	2.08E-05	1.91E+02	4.62E+02	1.52E+01	5.00E-01	1	0.0151	8.30E-05	7.63E+02
6.15E+02	2.02E+01	5.00E-01	1	0.0006	3.12E-06	1.87E+01	6.15E+02	2.02E+01	5.00E-01	1	0.0024	1.25E-05	7.47E+01
7.67E+02	2.52E+01	5.00E-01	1	0.0001	5.12E-07	2.27E+00	7.67E+02	2.52E+01	5.00E-01	1	0.0004	2.05E-06	9.09E+00
9.19E+02	3.02E+01	5.00E-01	1	0	8.89E-08	3.10E-01	9.19E+02	3.02E+01	5.00E-01	1	0.0001	3.56E-07	1.26E+00
1.07E+03	3.52E+01	5.00E-01	1	0	1.60E-08	5.00E-02	1.07E+03	3.52E+01	5.00E-01	1	0	6.39E-08	1.90E-01
1.22E+03	4.02E+01	5.00E-01	1	0	2.93E-09	1.00E-02	1.22E+03	4.02E+01	5.00E-01	1	0	1.17E-08	3.00E-02
1.38E+03	4.52E+01	5.00E-01	1	0	5.44E-10	0.00E+00	1.38E+03	4.52E+01	5.00E-01	1	0	2.18E-09	0.00E+00
1.53E+03	5.02E+01	5.00E-01	1	0	1.02E-10	0.00E+00	1.53E+03	5.02E+01	5.00E-01	1	0	4.09E-10	0.00E+00
1.68E+03	5.52E+01	5.00E-01	1	0	1.93E-11	0.00E+00	1.68E+03	5.52E+01	5.00E-01	1	0	7.73E-11	0.00E+00
1.83E+03	6.02E+01	5.00E-01	1	0	3.67E-12	0.00E+00	1.83E+03	6.02E+01	5.00E-01	1	0	1.47E-11	0.00E+00
1.99E+03	6.52E+01	5.00E-01	1	0	7.01E-13	0.00E+00	1.99E+03	6.52E+01	5.00E-01	1	0	2.81E-12	0.00E+00
2.14E+03	7.02E+01	5.00E-01	1	0	1.34E-13	0.00E+00	2.14E+03	7.02E+01	5.00E-01	1	0	5.37E-13	0.00E+00
2.29E+03	7.52E+01	5.00E-01	1	0	2.58E-14	0.00E+00	2.29E+03	7.52E+01	5.00E-01	1	0	1.03E-13	0.00E+00
2.44E+03	8.02E+01	5.00E-01	1	0	4.96E-15	0.00E+00	2.44E+03	8.02E+01	5.00E-01	1	0	1.99E-14	0.00E+00
2.60E+03	8.52E+01	5.00E-01	1	0	9.58E-16	0.00E+00	2.60E+03	8.52E+01	5.00E-01	1	0	3.83E-15	0.00E+00
2.75E+03	9.02E+01	5.00E-01	1	0	1.85E-16	0.00E+00	2.75E+03	9.02E+01	5.00E-01	1	0	7.40E-16	0.00E+00
2.90E+03	9.52E+01	5.00E-01	1	0	3.58E-17	0.00E+00	2.90E+03	9.52E+01	5.00E-01	1	0	1.43E-16	0.00E+00
15 SCFM							45 SCFM						
5.08E+00	1.67E-01	5.00E-01	0.9598	16.3578	5.87E-01	0.00E+00	5.08E+00	1.67E-01	5.00E-01	0.8739	51.3225	1.93E+00	0.00E+00
1.57E+02	5.17E+00	5.00E-01	0.999	0.4057	2.78E-03	1.80E+06	1.57E+02	5.17E+00	5.00E-01	0.997	1.2183	8.35E-03	5.92E+06
3.10E+02	1.02E+01	5.00E-01	0.9999	0.0407	2.44E-04	4.69E+03	3.10E+02	1.02E+01	5.00E-01	0.9997	0.1221	7.32E-04	1.41E+04
4.62E+02	1.52E+01	5.00E-01	1	0.0057	3.11E-05	2.86E+02	4.62E+02	1.52E+01	5.00E-01	1	0.017	9.34E-05	8.58E+02
6.15E+02	2.02E+01	5.00E-01	1	0.0009	4.67E-06	2.80E+01	6.15E+02	2.02E+01	5.00E-01	1	0.0027	1.40E-05	8.40E+01
7.67E+02	2.52E+01	5.00E-01	1	0.0001	7.68E-07	3.41E+00	7.67E+02	2.52E+01	5.00E-01	1	0.0005	2.31E-06	1.02E+01
9.19E+02	3.02E+01	5.00E-01	1	0	1.33E-07	4.70E-01	9.19E+02	3.02E+01	5.00E-01	1	0.0001	4.00E-07	1.41E+00
1.07E+03	3.52E+01	5.00E-01	1	0	2.40E-08	7.00E-02	1.07E+03	3.52E+01	5.00E-01	1	0	7.18E-08	2.10E-01
1.22E+03	4.02E+01	5.00E-01	1	0	4.39E-09	1.00E-02	1.22E+03	4.02E+01	5.00E-01	1	0	1.32E-08	3.00E-02
1.38E+03	4.52E+01	5.00E-01	1	0	8.17E-10	0.00E+00	1.38E+03	4.52E+01	5.00E-01	1	0	2.45E-09	1.00E-02
1.53E+03	5.02E+01	5.00E-01	1	0	1.53E-10	0.00E+00	1.53E+03	5.02E+01	5.00E-01	1	0	4.60E-10	0.00E+00
1.68E+03	5.52E+01	5.00E-01	1	0	2.90E-11	0.00E+00	1.68E+03	5.52E+01	5.00E-01	1	0	8.70E-11	0.00E+00
1.83E+03	6.02E+01	5.00E-01	1	0	5.51E-12	0.00E+00	1.83E+03	6.02E+01	5.00E-01	1	0	1.65E-11	0.00E+00
1.99E+03	6.52E+01	5.00E-01	1	0	1.05E-12	0.00E+00	1.99E+03	6.52E+01	5.00E-01	1	0	3.16E-12	0.00E+00
2.14E+03	7.02E+01	5.00E-01	1	0	2.01E-13	0.00E+00	2.14E+03	7.02E+01	5.00E-01	1	0	6.04E-13	0.00E+00
2.29E+03	7.52E+01	5.00E-01	1	0	3.87E-14	0.00E+00	2.29E+03	7.52E+01	5.00E-01	1	0	1.16E-13	0.00E+00
2.44E+03	8.02E+01	5.00E-01	1	0	7.45E-15	0.00E+00	2.44E+03	8.02E+01	5.00E-01	1	0	2.23E-14	0.00E+00
2.60E+03	8.52E+01	5.00E-01	1	0	1.44E-15	0.00E+00	2.60E+03	8.52E+01	5.00E-01	1	0	4.31E-15	0.00E+00
2.75E+03	9.02E+01	5.00E-01	1	0	2.78E-16	0.00E+00	2.75E+03	9.02E+01	5.00E-01	1	0	8.33E-16	0.00E+00
2.90E+03	9.52E+01	5.00E-01	1	0	5.37E-17	0.00E+00	2.90E+03	9.52E+01	5.00E-01	1	0	1.61E-16	0.00E+00
20 SCFM							50 SCFM						
5.08E+00	1.67E-01	5.00E-01	0.946	21.9647	7.94E-01	0.00E+00	5.08E+00	1.67E-01	5.00E-01	0.8588	57.4897	2.19E+00	0.00E+00
1.57E+02	5.17E+00	5.00E-01	0.9987	0.541	3.71E-03	2.43E+06	1.57E+02	5.17E+00	5.00E-01	0.9967	1.3539	9.28E-03	6.70E+06
3.10E+02	1.02E+01	5.00E-01	0.9999	0.0543	3.25E-04	6.25E+03	3.10E+02	1.02E+01	5.00E-01	0.9997	0.1357	8.14E-04	1.57E+04
4.62E+02	1.52E+01	5.00E-01	1	0.0075	4.15E-05	3.81E+02	4.62E+02	1.52E+01	5.00E-01	1	0.0189	1.04E-04	9.54E+02
6.15E+02	2.02E+01	5.00E-01	1	0.0012	6.23E-06	3.73E+01	6.15E+02	2.02E+01	5.00E-01	1	0.003	1.56E-05	9.33E+01
7.67E+02	2.52E+01	5.00E-01	1	0.0002	1.02E-06	4.55E+00	7.67E+02	2.52E+01	5.00E-01	1	0.0005	2.56E-06	1.14E+01
9.19E+02	3.02E+01	5.00E-01	1	0	1.78E-07	6.30E-01	9.19E+02	3.02E+01	5.00E-01	1	0.0001	4.45E-07	1.57E+00
1.07E+03	3.52E+01	5.00E-01	1	0	3.19E-08	9.00E-02	1.07E+03	3.52E+01	5.00E-01	1	0	7.98E-08	2.40E-01
1.22E+03	4.02E+01	5.00E-01	1	0	5.86E-09	1.00E-02	1.22E+03	4.02E+01	5.00E-01	1	0	1.46E-08	4.00E-02
1.38E+03	4.52E+01	5.00E-01	1	0	1.09E-09	0.00E+00	1.38E+03	4.52E+01	5.00E-01	1	0	2.72E-09	1.00E-02
1.53E+03	5.02E+01	5.00E-01	1	0	2.05E-10	0.00E+00	1.53E+03	5.02E+01	5.00E-01	1	0	5.11E-10	0.00E+00
1.68E+03	5.52E+01	5.00E-01	1	0	3.87E-11	0.00E+00	1.68E+03	5.52E+01	5.00E-01	1	0	9.66E-11	0.00E+00
1.83E+03	6.02E+01	5.00E-01	1	0	7.35E-12	0.00E+00	1.83E+03	6.02E+01	5.00E-01	1	0	1.84E-11	0.00E+00
1.99E+03	6.52E+01	5.00E-01	1	0	1.40E-12	0.00E+00	1.99E+03	6.52E+01	5.00E-01	1	0	3.51E-12	0.00E+00
2.14E+03	7.02E+01	5.00E-01	1	0	2.69E-13	0.00E+00	2.14E+03	7.02E+01	5.00E-01	1	0	6.71E-13	0.00E+00
2.29E+03	7.52E+01	5.00E-01	1	0	5.16E-14	0.00E+00	2.29E+03	7.52E+01	5.00E-01	1	0	1.29E-13	0.00E+00
2.44E+03	8.02E+01	5.00E-01	1	0	9.93E-15	0.00E+00	2.44E+03	8.02E+01	5.00E-01	1	0	2.48E-14	0.00E+00
2.60E+03	8.52E+01	5.00E-01	1	0	1.92E-15	0.00E+00	2.60E+03	8.52E+01	5.00E-01	1	0	4.79E-15	0.00E+00
2.75E+03	9.02E+01	5.00E-01	1	0	3.70E-16	0.00E+00	2.75E+03	9.02E+01	5.00E-01	1	0	9.25E-16	0.00E+00
2.90E+03	9.52E+01	5.00E-01	1	0	7.17E-17	0.00E+00	2.90E+03	9.52E+01	5.00E-01	1	0	1.79E-16	0.00E+00
25 SCFM							60 SCFM						
5.08E+00	1.67E-01	5.00E-01	0.9321	27.6545	1.01E+00	0.00E+00	5.08E+00	1.67E-01	5.00E-01	0.8277	70.1627	2.72E+00	0.00E+00
1.57E+02	5.17E+00	5.00E-01	0.9983	0.6764	4.63E-03	3.09E+06	1.57E+02	5.17E+00	5.00E-01	0.996	1.6252	1.12E-02	8.34E+06
3.10E+02	1.02E+01	5.00E-01	0.9998	0.0678	4.07E-04	7.82E+03	3.10E+02	1.02E+01	5.00E-01	0.9996	0.1628	9.76E-04	1.88E+04
4.62E+02	1.52E+01	5.00E-01	1	0.0094	5.19E-05	4.77E+02	4.62E+02	1.52E+01	5.00E-01	0.9999	0.0226	1.25E-04	1.14E+03
6.15E+02	2.02E+01	5.00E-01	1	0.0015	7.79E-06	4.67E+01	6.15E+02	2.02E+01	5.00E-01	1	0.0036	1.87E-05	1.12E+02
7.67E+02	2.52E+01	5.00E-01	1	0.0003	1.28E-06	5.68E+00	7.67E+02	2.52E+01	5.00E-01	1	0.0006	3.07E-06	1.36E+01
9.19E+02	3.02E+01	5.00E-01	1	0	2.22E-07	7.90E-01	9.19E+02	3.02E+01	5.00E-01	1	0.0001	5.34E-07	1.89E+00
1.07E+03	3.52E+01	5.00E-01	1	0	3.99E-08	1.20E-01	1.07E+03	3.52E+01	5.00E-01	1	0	9.58E-08	2.80E-01
1.22E+03	4.02E+01	5.00E-01	1	0	7.32E-09	2.00E-02	1.22E+03	4.02E+01	5.00E-01	1	0	1.76E-08	4.00E-02
1.38E+03	4.52E+01	5.00E-01	1	0	1.36E-09	0.00E+00	1.38E+03	4.52E+01	5.00E-01	1	0	3.27E-09	1.00E-02
1.53E+03	5.02E+01	5.00E-01	1	0	2.56E-10	0.00E+00	1.53E+03	5.02E+01	5.00E-01	1	0	6.13E-10	0.00E+00
1.68E+03	5.52E+01	5.00E-01	1	0	4.83E-11	0.00E+00	1.68E+03	5.52E+01	5.00E-01	1	0	1.16E-10	0.00E+00
1.83E+03	6.02E+01	5.00E-01	1	0	9.18E-12	0.00E+00	1.83E+03	6.02E+01	5.00E-01	1	0	2.20E-11	0.00E+00
1.99E+03	6.52E+01	5.00E-01	1	0	1.75E-12	0.00E+00	1.99E+03	6.52E+01	5.00E-01	1	0	4.21E-12	0.00E+00
2.14E+03	7.02E+01	5.00E-01	1	0	3.36E-13	0.00E+00	2.14E+03	7.02E+01	5.00E-01	1	0	8.06E-13	0.00E+00
2.29E+03	7.52E+01	5.00E-01	1	0	6.45E-14	0.00E+00	2.29E+03	7.52E+01	5.00E-01	1	0	1.55E-13	0.00E+00
2.44E+03	8.02E+01	5.00E-01	1	0	1.24E-14	0.00E+00	2.44E+03	8.02E+01	5.00E-01	1	0	2.98E-14	0.00E+00
2.60E+03	8.52E+01	5.00E-01	1	0	2.39E-15	0.00E+00	2.60E+03	8.52E+01	5.00E-01	1	0	5.75E-15	0.00E+00
2.75E+03	9.02E+01	5.00E-01	1	0	4.63E-16	0.00E+00	2.75E+03	9.02E+01	5.00E-01	1	0	1.11E-15	0.00E+00
2.90E+03	9.52E+01	5.00E-01	1	0	8.96E-17	0.00E+00	2.90E+03	9.52E+01	5.00E-01	1	0	2.15E-16	0.00E+00
30 SCFM							70 SCFM						
5.08E+00	1.67E-01	5.00E-01	0.9179	33.4309	1.23E+00	0.00E+00	5.08E+00	1.67E-01	5.00E-01	0.7953	83.3314	3.30E+00	0.00E+00
1.57E+02	5.17E+00	5.00E-01	0.998	0.8118	5.56E-03	3.76E+06	1.57E+02	5.17E+00	5.00E-01	0.9953	1.8967	1.30E-02	1.01E+07
3.10E+02	1.02E+01	5.00E-01	0.9998	0.0814	4.88E-04	9.38E+03	3.10E+02	1.02E+01	5.00E-01	0.9995	0.1899	1.14E-03	2.19E+04
4.62E+02	1.52E+01	5.00E-01	1	0.0113	6.23E-05	5.72E+02	4.62E+02	1.52E+01	5.00E-01	0.9999	0.0264	1.45E-04	1.34E+03
6.15E+02	2.02E+01	5.00E-01	1	0.0018	9.35E-06	5.60E+01	6.15E+02	2.02E+01	5.00E-01	1	0.0042	2.18E-05	1.31E+02
7.67E+02	2.52E+01	5.00E-01	1	0.0003	1.54E-06	6.82E+00	7.67E+02	2.52E+01	5.00E-01	1	0.0007	3.59E-06	1.59E+01
9.19E+02	3.02E+01	5.00E-01	1	0	2.67E-07	9.40E-01	9.19E+02	3.02E+01	5.00E-01	1	0.0001	6.22E-07	2.20E+00
1.07E+03	3.52E+01	5.00E-01	1	0	4.79E-08	1.40E-01	1.07E+03	3.52E+01	5.00E-01	1	0	1.12E-07	3.30E-01
1.22E+03	4.02E+01	5.00E-01	1	0	8.78E-09	2.00E-02	1.22E+03	4.02E+01	5.00E-01	1	0	2.05E-08	5.00E-02
1.38E+03	4.52E+01	5.00E-01	1	0	1.63E-09	0.00E+00	1.38E+03	4.52E+01	5.00E-01	1	0	3.81E-09	1.00E-02
1.53E+03	5.02E+01	5.00E-01	1	0	3.07E-10	0.00E+00	1.53E+03	5.02E+01	5.00E-01	1	0	7.16E-10	0.00E+00
1.68E+03	5.52E+01	5.00E-01	1	0	5.80E-11	0.00E+00	1.68E+03	5.52E+01	5.00E-01	1	0	1.35E-10	0.00E+00
1.83E+03	6.02E+01	5.00E-01	1	0	1.10E-11	0.00E+00	1.83E+03	6.02E+01	5.00E-01	1	0	2.57E-11	0.00E+00
1.99E+03	6.52E+01	5.00E-01	1	0	2.10E-12	0.00E+00	1.99E+03	6.52E+01	5.00E-01	1	0	4.91E-12	0.00E+00
2.14E+03	7.02E+01	5.00E-01	1	0	4.03E-13	0.00E+00	2.14E+03	7.02E+01	5.00E-01	1	0	9.40E-13	0.00E+00
2.29E+03	7.52E+01	5.00E-01	1	0	7.74E-14	0.00E+00	2.29E+03	7.52E+01	5.00E-01	1	0	1.81E-13	0.00E+00
2.44E+03	8.02E+01	5.00E-01	1	0	1.49E-14	0.00E+00	2.44E+03	8.02E+01	5.00E-01	1	0	3.48E-14	0.00E+00
2.60E+03	8.52E+01	5.00E-01	1	0	2.87E-15	0.00E+00	2.60E+03	8.52E+01	5.00E-01	1	0	6.70E-15	0.00E+00
2.75E+03	9.02E+01	5.00E-01	1	0	5.55E-16	0.00E+00	2.75E+03	9.02E+01	5.00E-01	1	0	1.30E-15	0.00E+00
2.90E+03	9.52E+01	5.00E-01	1	0	1.08E-16	0.00E+00	2.90E+03	9.52E+01	5.00E-01	1	0	2.51E-16	0.00E+00

Design

----- Simulated Scenario ----- 1

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.5000E+01
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9868	5.3786	.1902E+00
.157E+03	.517E+01	.500E+00	.9997	.1352	.9255E-03
.310E+03	.102E+02	.500E+00	1.0000	.0136	.8134E-04
.462E+03	.152E+02	.500E+00	1.0000	.0019	.1038E-04
.615E+03	.202E+02	.500E+00	1.0000	.0003	.1558E-05
.767E+03	.252E+02	.500E+00	1.0000	.0000	.2561E-06
.919E+03	.302E+02	.500E+00	1.0000	.0000	.4446E-07
.107E+04	.352E+02	.500E+00	1.0000	.0000	.7982E-08
.122E+04	.402E+02	.500E+00	1.0000	.0000	.1464E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.2722E-09
.153E+04	.502E+02	.500E+00	1.0000	.0000	.5111E-10
.168E+04	.552E+02	.500E+00	1.0000	.0000	.9664E-11
.183E+04	.602E+02	.500E+00	1.0000	.0000	.1837E-11
.199E+04	.652E+02	.500E+00	1.0000	.0000	.3506E-12
.214E+04	.702E+02	.500E+00	1.0000	.0000	.6713E-13
.229E+04	.752E+02	.500E+00	1.0000	.0000	.1289E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.2482E-14
.260E+04	.852E+02	.500E+00	1.0000	.0000	.4788E-15
.275E+04	.902E+02	.500E+00	1.0000	.0000	.9254E-16
.290E+04	.952E+02	.500E+00	1.0000	.0000	.1791E-16

----- Simulated Scenario ----- 2

Simulating information:

Depth to the top of screen (ft) = .5000E+00

Depth to the bottom of screen (ft) = .1500E+01

Depth to the groundwater table (ft) = .1000E+02

Depth to the simulated elevation(ft) = .5000E+00

Radius of the simulating well (in.) = .2000E+01

Temperature of the soil (C) = .2000E+02

Flow rate of pumping/injection well(cfm)= .1000E+02

Soil porosity(Dimensionless) = .2500E+00

Peameability for R direction (cm**2) = .2381E-06

Peameability for Z direction (cm**2) = .2381E-06

Peameability Kc/Bc = .8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9734	10.8301	.3856E+00
.157E+03	.517E+01	.500E+00	.9993	.2704	.1852E-02
.310E+03	.102E+02	.500E+00	.9999	.0271	.1627E-03
.462E+03	.152E+02	.500E+00	1.0000	.0038	.2076E-04
.615E+03	.202E+02	.500E+00	1.0000	.0006	.3116E-05
.767E+03	.252E+02	.500E+00	1.0000	.0001	.5122E-06
.919E+03	.302E+02	.500E+00	1.0000	.0000	.8892E-07
.107E+04	.352E+02	.500E+00	1.0000	.0000	.1596E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.2928E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.5444E-09
.153E+04	.502E+02	.500E+00	1.0000	.0000	.1022E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.1933E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.3674E-11
.199E+04	.652E+02	.500E+00	1.0000	.0000	.7011E-12
.214E+04	.702E+02	.500E+00	1.0000	.0000	.1343E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.2579E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.4964E-14
.260E+04	.852E+02	.500E+00	1.0000	.0000	.9576E-15
.275E+04	.902E+02	.500E+00	1.0000	.0000	.1851E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.3583E-16

----- Simulated Scenario ----- 3

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.1500E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9598	16.3578	.5866E+00
.157E+03	.517E+01	.500E+00	.9990	.4057	.2778E-02
.310E+03	.102E+02	.500E+00	.9999	.0407	.2440E-03
.462E+03	.152E+02	.500E+00	1.0000	.0057	.3114E-04
.615E+03	.202E+02	.500E+00	1.0000	.0009	.4674E-05
.767E+03	.252E+02	.500E+00	1.0000	.0001	.7683E-06
.919E+03	.302E+02	.500E+00	1.0000	.0000	.1334E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.2395E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.4391E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.8167E-09
.153E+04	.502E+02	.500E+00	1.0000	.0000	.1533E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.2899E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.5510E-11
.199E+04	.652E+02	.500E+00	1.0000	.0000	.1052E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.2014E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.3868E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.7446E-14
.260E+04	.852E+02	.500E+00	1.0000	.0000	.1436E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.2776E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.5374E-16

----- Simulated Scenario ----- 4

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.2000E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06

Peameability for Z direction (cm**2) = .2381E-06

Peameability Kc/Bc = .8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9460	21.9647	.7936E+00
.157E+03	.517E+01	.500E+00	.9987	.5410	.3706E-02
.310E+03	.102E+02	.500E+00	.9999	.0543	.3254E-03
.462E+03	.152E+02	.500E+00	1.0000	.0075	.4151E-04
.615E+03	.202E+02	.500E+00	1.0000	.0012	.6232E-05
.767E+03	.252E+02	.500E+00	1.0000	.0002	.1024E-05
.919E+03	.302E+02	.500E+00	1.0000	.0000	.1778E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.3193E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.5855E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.1089E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.2045E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.3866E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.7347E-11
.199E+04	.652E+02	.500E+00	1.0000	.0000	.1402E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.2685E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.5157E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.9928E-14
.260E+04	.852E+02	.500E+00	1.0000	.0000	.1915E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.3701E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.7165E-16

----- Simulated Scenario ----- 5

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.2500E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)

.508E+01	.167E+00	.500E+00	.9321	27.6545	.1007E+01
.157E+03	.517E+01	.500E+00	.9983	.6764	.4634E-02
.310E+03	.102E+02	.500E+00	.9998	.0678	.4067E-03
.462E+03	.152E+02	.500E+00	1.0000	.0094	.5189E-04
.615E+03	.202E+02	.500E+00	1.0000	.0015	.7789E-05
.767E+03	.252E+02	.500E+00	1.0000	.0003	.1280E-05
.919E+03	.302E+02	.500E+00	1.0000	.0000	.2223E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.3991E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.7319E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.1361E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.2556E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.4832E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.9184E-11
.199E+04	.652E+02	.500E+00	1.0000	.0000	.1753E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.3357E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.6446E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.1241E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.2394E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.4627E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.8956E-16

----- Simulated Scenario ----- 6

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.3000E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9179	33.4309	.1227E+01
.157E+03	.517E+01	.500E+00	.9980	.8118	.5562E-02
.310E+03	.102E+02	.500E+00	.9998	.0814	.4881E-03
.462E+03	.152E+02	.500E+00	1.0000	.0113	.6227E-04
.615E+03	.202E+02	.500E+00	1.0000	.0018	.9347E-05
.767E+03	.252E+02	.500E+00	1.0000	.0003	.1537E-05
.919E+03	.302E+02	.500E+00	1.0000	.0000	.2667E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.4789E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.8783E-08
.138E+04	.452E+02	.500E+00	1.0000	.0000	.1633E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.3067E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.5798E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.1102E-10
.199E+04	.652E+02	.500E+00	1.0000	.0000	.2103E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.4028E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.7736E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.1489E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.2873E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.5552E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.1075E-15

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.3500E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.9035	39.2980	.1454E+01
.157E+03	.517E+01	.500E+00	.9977	.9473	.6491E-02
.310E+03	.102E+02	.500E+00	.9998	.0949	.5695E-03

.462E+03	.152E+02	.500E+00	1.0000	.0132	.7265E-04
.615E+03	.202E+02	.500E+00	1.0000	.0021	.1091E-04
.767E+03	.252E+02	.500E+00	1.0000	.0004	.1793E-05
.919E+03	.302E+02	.500E+00	1.0000	.0001	.3112E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.5587E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.1025E-07
.138E+04	.452E+02	.500E+00	1.0000	.0000	.1906E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.3578E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.6765E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.1286E-10
.199E+04	.652E+02	.500E+00	1.0000	.0000	.2454E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.4699E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.9025E-13
.244E+04	.802E+02	.500E+00	1.0000	.0000	.1737E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.3352E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.6477E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.1254E-15

----- Simulated Scenario ----- 8

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.4000E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.8888	45.2603	.1689E+01
.157E+03	.517E+01	.500E+00	.9973	1.0828	.7421E-02
.310E+03	.102E+02	.500E+00	.9997	.1085	.6508E-03
.462E+03	.152E+02	.500E+00	1.0000	.0151	.8303E-04
.615E+03	.202E+02	.500E+00	1.0000	.0024	.1246E-04
.767E+03	.252E+02	.500E+00	1.0000	.0004	.2049E-05
.919E+03	.302E+02	.500E+00	1.0000	.0001	.3557E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.6385E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.1171E-07
.138E+04	.452E+02	.500E+00	1.0000	.0000	.2178E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.4089E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.7731E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.1469E-10
.199E+04	.652E+02	.500E+00	1.0000	.0000	.2805E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.5371E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.1031E-12
.244E+04	.802E+02	.500E+00	1.0000	.0000	.1986E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.3830E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.7403E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.1433E-15

----- Simulated Scenario ----- 9

Simulating information:

Depth to the top of screen (ft) = .5000E+00

Depth to the bottom of screen (ft) = .1500E+01

Depth to the groundwater table (ft) = .1000E+02

Depth to the simulated elevation(ft) = .5000E+00

Radius of the simulating well (in.) = .2000E+01

Temperature of the soil (C) = .2000E+02

Flow rate of pumping/injection well(cfm)= .4500E+02

Soil porosity(Dimensionless) = .2500E+00

Peameability for R direction (cm**2) = .2381E-06

Peameability for Z direction (cm**2) = .2381E-06

Peameability Kc/Bc = .8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.8739	51.3225	.1933E+01
.157E+03	.517E+01	.500E+00	.9970	1.2183	.8351E-02
.310E+03	.102E+02	.500E+00	.9997	.1221	.7322E-03
.462E+03	.152E+02	.500E+00	1.0000	.0170	.9341E-04
.615E+03	.202E+02	.500E+00	1.0000	.0027	.1402E-04
.767E+03	.252E+02	.500E+00	1.0000	.0005	.2305E-05
.919E+03	.302E+02	.500E+00	1.0000	.0001	.4001E-06

.107E+04	.352E+02	.500E+00	1.0000	.0000	.7184E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.1317E-07
.138E+04	.452E+02	.500E+00	1.0000	.0000	.2450E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.4600E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.8698E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.1653E-10
.199E+04	.652E+02	.500E+00	1.0000	.0000	.3155E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.6042E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.1160E-12
.244E+04	.802E+02	.500E+00	1.0000	.0000	.2234E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.4309E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.8328E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.1612E-15

----- Simulated Scenario ----- 10

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.5000E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.8588	57.4897	.2186E+01
.157E+03	.517E+01	.500E+00	.9967	1.3539	.9283E-02
.310E+03	.102E+02	.500E+00	.9997	.1357	.8136E-03
.462E+03	.152E+02	.500E+00	1.0000	.0189	.1038E-03
.615E+03	.202E+02	.500E+00	1.0000	.0030	.1558E-04
.767E+03	.252E+02	.500E+00	1.0000	.0005	.2561E-05
.919E+03	.302E+02	.500E+00	1.0000	.0001	.4446E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.7982E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.1464E-07
.138E+04	.452E+02	.500E+00	1.0000	.0000	.2722E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.5111E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.9664E-10
.183E+04	.602E+02	.500E+00	1.0000	.0000	.1837E-10
.199E+04	.652E+02	.500E+00	1.0000	.0000	.3506E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.6713E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.1289E-12
.244E+04	.802E+02	.500E+00	1.0000	.0000	.2482E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.4788E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.9254E-15
.290E+04	.952E+02	.500E+00	1.0000	.0000	.1791E-15

----- Simulated Scenario ----- 11

Simulating information:

Depth to the top of screen (ft) = .5000E+00

Depth to the bottom of screen (ft) = .1500E+01

Depth to the groundwater table (ft) = .1000E+02

Depth to the simulated elevation(ft) = .5000E+00

Radius of the simulating well (in.) = .2000E+01

Temperature of the soil (C) = .2000E+02

Flow rate of pumping/injection well(cfm)= .6000E+02

Soil porosity(Dimensionless) = .2500E+00

Peameability for R direction (cm**2) = .2381E-06

Peameability for Z direction (cm**2) = .2381E-06

Peameability Kc/Bc = .8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.8277	70.1627	.2721E+01
.157E+03	.517E+01	.500E+00	.9960	1.6252	.1115E-01
.310E+03	.102E+02	.500E+00	.9996	.1628	.9764E-03
.462E+03	.152E+02	.500E+00	.9999	.0226	.1245E-03
.615E+03	.202E+02	.500E+00	1.0000	.0036	.1869E-04
.767E+03	.252E+02	.500E+00	1.0000	.0006	.3073E-05
.919E+03	.302E+02	.500E+00	1.0000	.0001	.5335E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.9578E-07
.122E+04	.402E+02	.500E+00	1.0000	.0000	.1757E-07
.138E+04	.452E+02	.500E+00	1.0000	.0000	.3267E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.6134E-09

.168E+04	.552E+02	.500E+00	1.0000	.0000	.1160E-09
.183E+04	.602E+02	.500E+00	1.0000	.0000	.2204E-10
.199E+04	.652E+02	.500E+00	1.0000	.0000	.4207E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.8056E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.1547E-12
.244E+04	.802E+02	.500E+00	1.0000	.0000	.2978E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.5746E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.1110E-14
.290E+04	.952E+02	.500E+00	1.0000	.0000	.2150E-15

----- Simulated Scenario ----- 12

Simulating information:

Depth to the top of screen (ft)	=	.5000E+00
Depth to the bottom of screen (ft)	=	.1500E+01
Depth to the groundwater table (ft)	=	.1000E+02
Depth to the simulated elevation(ft)	=	.5000E+00
Radius of the simulating well (in.)	=	.2000E+01
Temperature of the soil (C)	=	.2000E+02
Flow rate of pumping/injection well(cfm)	=	.7000E+02
Soil porosity(Dimensionless)	=	.2500E+00
Peameability for R direction (cm**2)	=	.2381E-06
Peameability for Z direction (cm**2)	=	.2381E-06
Peameability Kc/Bc	=	.8144E-08

Aquifer geological structure properties

1: Aquifer is isotropic.
2: There is a upper confining unit.

********** OUTPUT **********

RADIUS (cm)	RADIUS (ft)	ELEVATION (ft)	PRESS (atm.)	PRESS (in H20)	VELOCITY (ft/s)
.508E+01	.167E+00	.500E+00	.7953	83.3314	.3304E+01
.157E+03	.517E+01	.500E+00	.9953	1.8967	.1301E-01
.310E+03	.102E+02	.500E+00	.9995	.1899	.1139E-02
.462E+03	.152E+02	.500E+00	.9999	.0264	.1453E-03
.615E+03	.202E+02	.500E+00	1.0000	.0042	.2181E-04
.767E+03	.252E+02	.500E+00	1.0000	.0007	.3585E-05
.919E+03	.302E+02	.500E+00	1.0000	.0001	.6224E-06
.107E+04	.352E+02	.500E+00	1.0000	.0000	.1117E-06
.122E+04	.402E+02	.500E+00	1.0000	.0000	.2049E-07
.138E+04	.452E+02	.500E+00	1.0000	.0000	.3811E-08
.153E+04	.502E+02	.500E+00	1.0000	.0000	.7156E-09
.168E+04	.552E+02	.500E+00	1.0000	.0000	.1353E-09
.183E+04	.602E+02	.500E+00	1.0000	.0000	.2572E-10
.199E+04	.652E+02	.500E+00	1.0000	.0000	.4908E-11
.214E+04	.702E+02	.500E+00	1.0000	.0000	.9399E-12
.229E+04	.752E+02	.500E+00	1.0000	.0000	.1805E-12
.244E+04	.802E+02	.500E+00	1.0000	.0000	.3475E-13
.260E+04	.852E+02	.500E+00	1.0000	.0000	.6703E-14
.275E+04	.902E+02	.500E+00	1.0000	.0000	.1295E-14
.290E+04	.952E+02	.500E+00	1.0000	.0000	.2508E-15

---------- Simulation finished ----------

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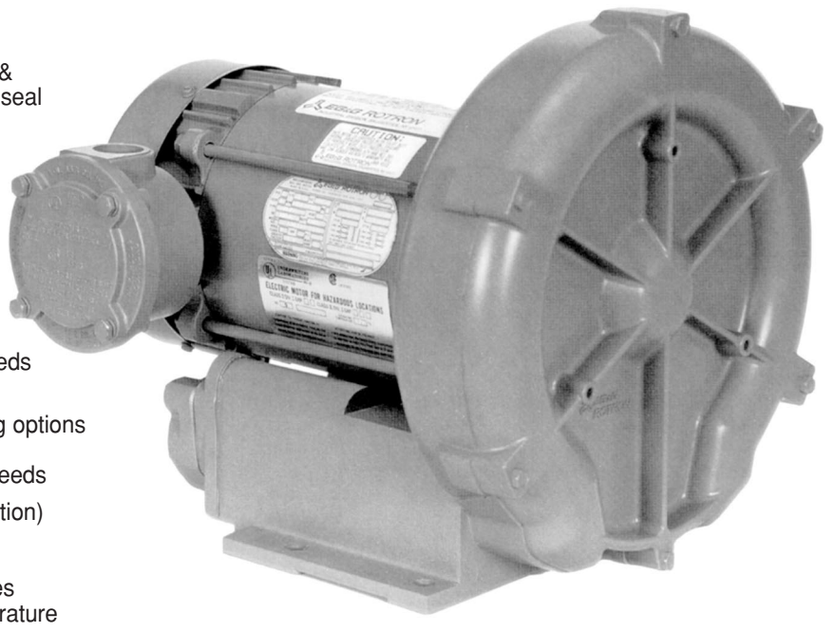
EN 454M & CP 454M
Sealed Regenerative Blower w/Explosion-Proof Motor

FEATURES
- Manufactured in the USA – ISO 9001 compliant
- Maximum flow: 127 SCFM
- Maximum pressure: 65 IWG
- Maximum vacuum: 59 IWG
- Standard motor: 1.5 HP, explosion-proof
- Cast aluminum blower housing, cover, impeller & manifold; cast iron flanges (threaded); teflon lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- Quiet operation within OSHA standards

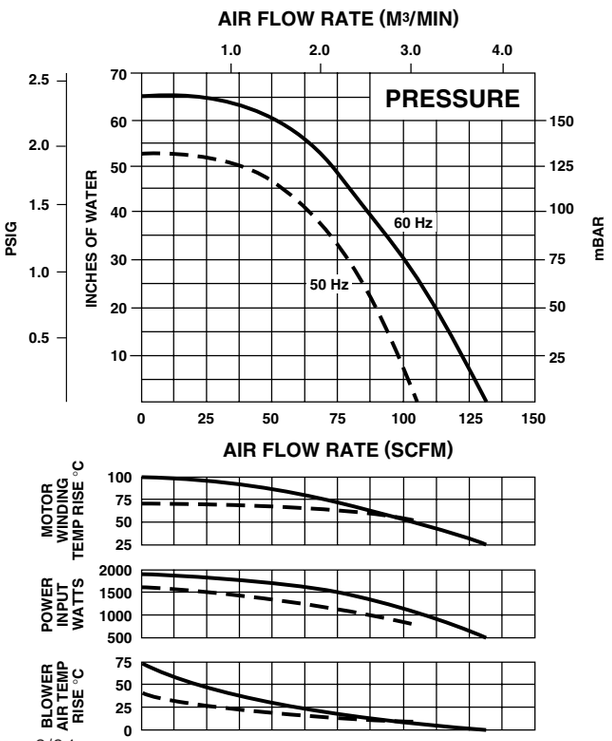


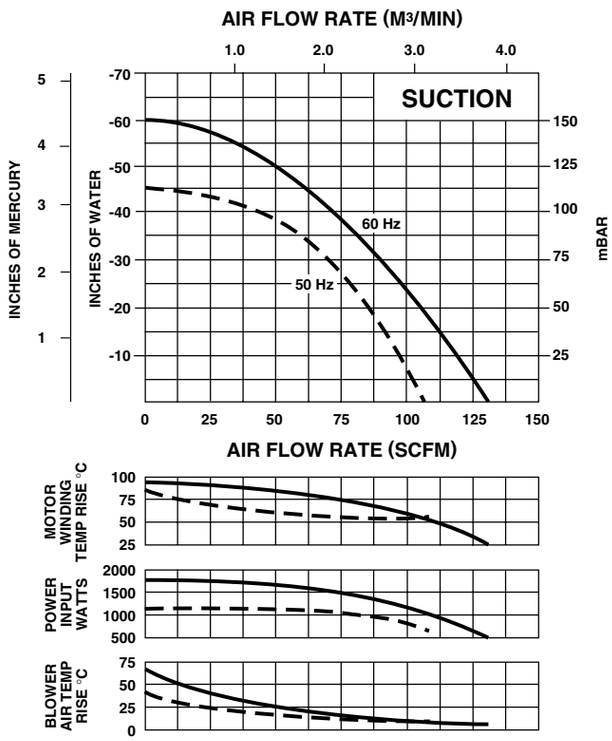
MOTOR OPTIONS
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

BLOWER OPTIONS
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

ACCESSORIES (See Catalog Accessory Section)
- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges & relief valves
- Switches – air flow, pressure, vacuum or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

BLOWER PERFORMANCE AT STANDARD CONDITIONS





Rev. 2/04

AMETEK Technical and Industrial Products, Kent, OH 44240 • e mail: rotronindustrial@ametek.com • internet: www.ametektmd.com

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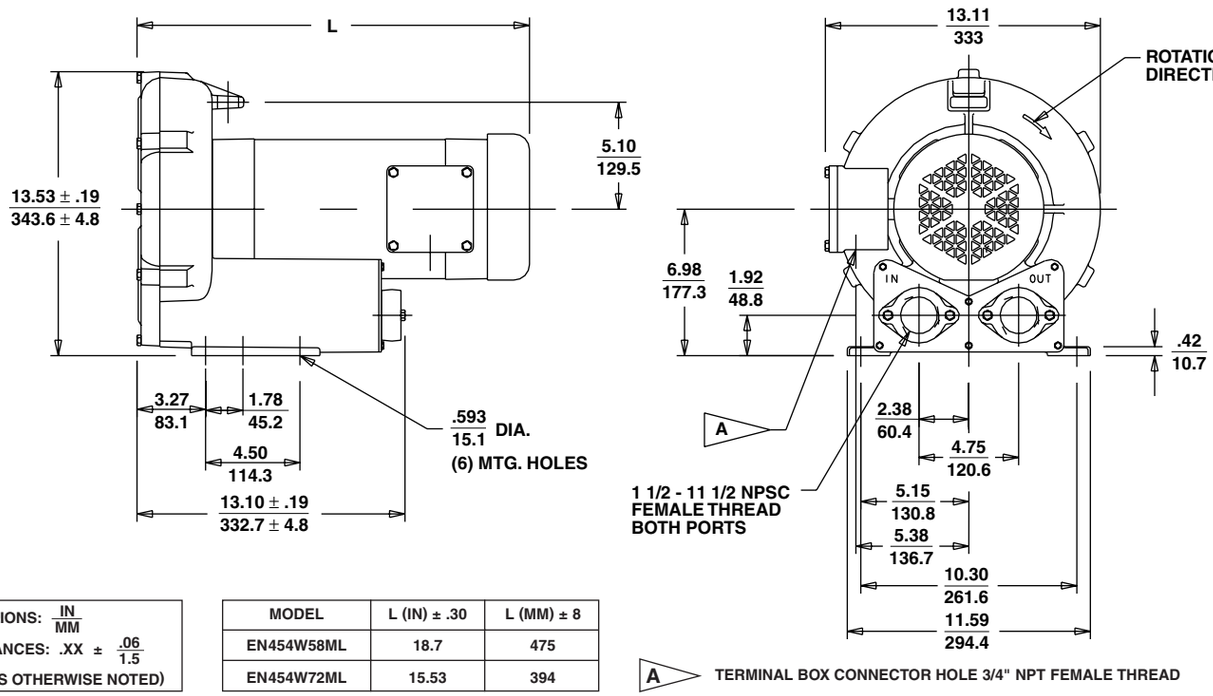
EN 454M & CP 454M
Sealed Regenerative Blower w/Explosion-Proof Motor

Scale CAD drawing available upon request.



DIMENSIONS: IN / MM
TOLERANCES: .XX ± .06 / 1.5
(UNLESS OTHERWISE NOTED)

MODEL	L (IN) ± .30	L (MM) ± 8
EN454W58ML	18.7	475
EN454W72ML	15.53	394

A TERMINAL BOX CONNECTOR HOLE 3/4" NPT FEMALE THREAD

SPECIFICATIONS

MODEL	EN454W58ML		EN454W72ML		CP454W72MLR	CP454FR72MLR
Part No.	080487		080488		080490	080494
Motor Enclosure – Shaft Material	Explosion-proof – **CS**		Explosion-proof – **CS**		Chem XP – **CS**	Chem XP – **SS**
Horsepower	1.5		1.5		Same as EN454W72ML – 080488 except add Chemical Processing (CP) features from catalog inside front cover	Same as EN454W72ML – 080488 except add Chemical Processing (CP) features from catalog inside front cover
Phase – Frequency [1]	Single - 60 Hz		Three - 60 Hz			
Voltage [1]	115	208-230	230	460		
Motor Nameplate Amps	15	7.9-7.5	4.6	2.3		
Max. Blower Amps [3]	20	10.9-10	5.6	2.8		
Inrush Amps	96	48	32	16		
Starter Size	1	0	00	00		
Service Factor	1.0		1.0			
Thermal Protection [2]	Class B - Pilot Duty		Class B - Pilot Duty			
XP Motor Class – Group	I-D, II-F&G		I-D, II-F&G			
Shipping Weight	86 lb (39 kg)		80 lb (36.2 kg)			

[1] Rotron motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

[2] Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

[3] Maximum blower amps corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

Specifications subject to change without notice. Please consult your Local Field Sales Engineer for specification updates.

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APPENDIX B

Daily and Monthly Reports

(Submitted under separate cover)

APPENDIX C

Photographic Log

Photo 1: Vapor Extraction Point being installed (facing north).
04/19/2021

Photo 2: Below-grade well lines installed and trench partially backfilled with gravel (facing west).
04/19/2021

Photo 3: Concrete is poured over below-grade well lines backfilled with gravel within the trench (facing northwest). 04/20/2021

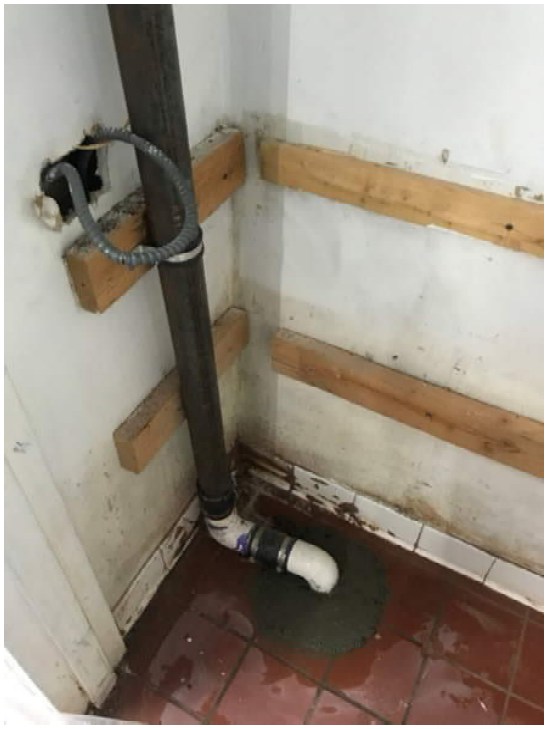

Photo 4: Above-ground piping for a Vapor Extraction Point (facing southwest). 04/22/2021

Photo 5: Vertical 4-inch steel sub-header line exiting grocery basement (facing northeast).
05/26/2021

Photo 6: Vertical 4-inch steel sub-header line roof penetration point (facing north).
05/26/2021

Photo 7: Holes cut in the roof for dunnage installation (facing west).
10/11/2021

Photo 8: Holes covered with temporary metal sheeting and caulked to prevent water leaks (facing north).
10/11/2021

Photo 9: Steel base plates and columns welded for the erection of the steel dunnage structure (facing east). 10/14/2021

Photo 10: Welding steel dunnage beams to steel dunnage columns (facing north). 10/21/2021

Photo 11: Installed 4-inch SCH40 PVC exterior sub-header piping (facing south).
10/27/2021

Photo 12: Individual well-lines manifolding to the 4-inch SCH40 PVC sub-header line (facing northeast).
10/28/2021

Photo 13: Process equipment mounted on steel dunnage structure with control panel (facing west).
11/18/2021

Photo 14: Process equipment with completed no-loss stack head and rain-cap (facing north).
11/29/2021

Photo 15: Sub-header lines manifolding to main header line with dedicated gate valves (facing north).
11/29/2021

Photo 16: Electrical conduits running towards SSDS process equipment (facing north).
12/20/2021

Photo 17: High air temperature and low vacuum alarm lights during alarm testing activities (facing west). 01/04/2022

Photo 18: Powered Sensaphone Sentinel auto-dialer within the process equipment control panel (facing west). 01/06/2022

Photo 19: Vacuum gauge and sample port installed on a well-line riser (facing north).
01/18/2022

Photo 20: Insulated 2-inch and 4-inch exterior sub-header piping (facing north).
03/02/2022

Photo 21: View of insulated PVC sub-header piping manifolding to main header line (facing northwest). 03/07/2022

Photo 22: Installed vacuum gauge and sample port with ball valve on interior well-line riser (facing west). 03/07/2022

Photo 23: Exterior PVC sub-header line elbows insulated with tape (facing west).
03/16/2022

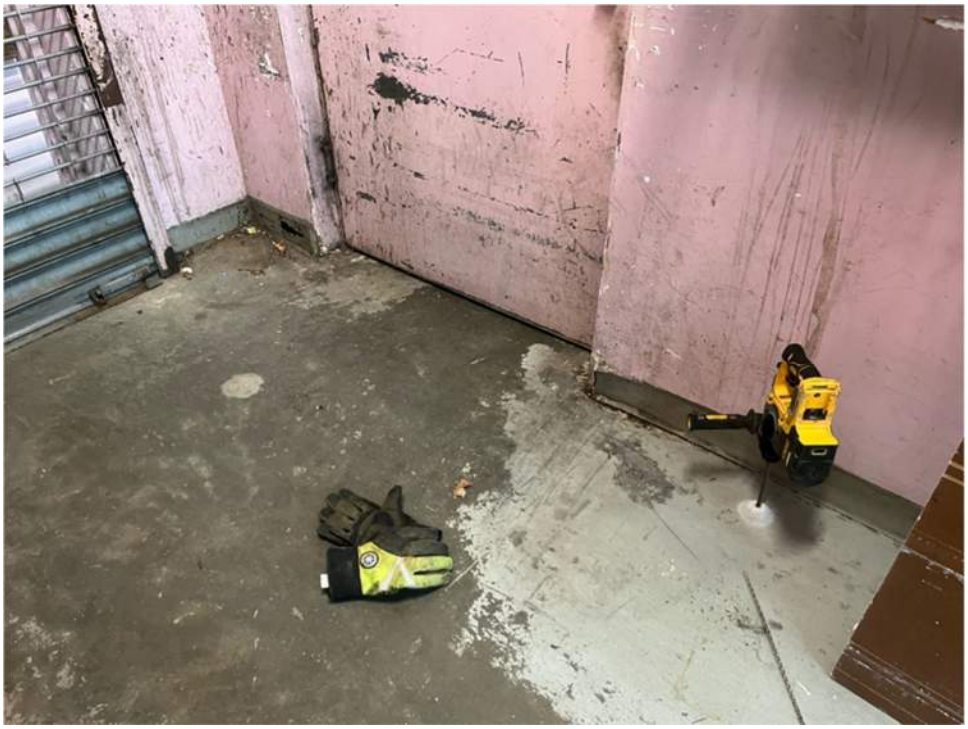

Photo 24: Vacuum Monitoring Point being installed (facing west).
03/23/2022

Photo 25: Patched air leaks at VEPs and concrete trench (facing northwest).
03/23/2022

Photo 26: Indoor air sampling within the Carvel tenant space (facing southwest).
04/18/2022

Photo 27: Indoor air sampling within the taekwondo school tenant space (facing northeast).
04/18/2022

Photo 28: Langan installing a temporary soil vapor sampling point in the bagel shop tenant space (facing north).
04/18/2022

Photo 29: Langan collecting a sample from the SSDS effluent for emissions evaluation (facing northwest). 04/18/2022

Photo 30: Langan onsite performing regular system OM&M activities (facing northwest). 08/05/2022

APPENDIX D

Gravel Specifications and Safety Data Sheet

LANGAN

ALL-PURPOSE GRAVEL

♦ The Pro's Choice Since 1936

Sakrete® All Purpose Gravel is graded and washed for landscaping, decoration, base material and exposed aggregate finish.

Use For:

- Coarse aggregate in custom concrete mixes
- Landscaping and decoration
- Base material under concrete slabs
- Drainage base for footings and posts

Coverage:

Drainage base for posts and poles:
A 4" x 4" (102 x 102 mm) post requires a 10" (254 mm) diameter hole for proper setting. One 60 lb (27.2 kg) bag of All-Purpose Gravel fills approximately 5 post holes 10" (254 mm) in diameter with a 2" to 3" (51 to 76 mm) drainage base.

Drainage base for walks and slabs:
A 2" to 4" drainage base is suggested for walks and slabs. The following calculation can be used to determine coverage. Length x width x depth (all in feet) will give the cubic volume. Divide the cubic volume of the area to be filled by 0.6 ft^3 (0.016 m^3). This will give the number of bags needed. For example, 4 ft. long x 3' wide x 3" (0.25 ft) deep = 3 ft^3 divided by 0.6 ft^3 gives the number of bags needed (6) in this example.

Bag Size	Yield
0.5 ft^3 (0.22 kg)	Approximately 5 ft^2 x 1.5" (37 mm) deep
60 lb (27.2 kg)	Approximately 0.6 ft^3 (0.016 m^3)

To determine coverage calculate the following:
Length x width x depth (all in feet) = ft^3

NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.

Color:

Gray

Safety:

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product. WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA).
KEEP OUT OF REACH OF CHILDREN.

Limited Product Warranty:

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

SAKRETE® and the background design are registered trademarks of SAKRETE of North America LLC, Charlotte, NC 28217 • ©2006. SAKRETE® is manufactured under license from SAKRETE of North America LLC.
For current and complete product information, contact SAKRETE Technical Services toll-free at 866-725-7383 or visit Sakrete.com.

Sakrete Sands & Gravel

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 09/26/2016 Revision date: 01/31/2018 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Sakrete Sands & Gravel

Product code : Not available

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Various

1.3. Details of the supplier of the safety data sheet

Sakrete of North America
625 Griffith Rd., Ste 100
Charlotte, NC 28217
T 866-725-7383

1.4. Emergency telephone number

Emergency number : For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 [USA] / +1 703-527-3887 [CAN]

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Carc. 1A

STOT RE 1

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : May cause cancer. Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS-US) : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available.

2.4. Unknown acute toxicity (GHS US)

Not applicable.

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Name	Product identifier	%
Quartz	(CAS No) 14808-60-7	60 - 100

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

NEXREG

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory tract irritation.

Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Treat for surrounding material.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

5.3. Advice for firefighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Methods and material for containment and cleaning up

For containment : Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Vacuum or sweep material and place in a disposal container.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe dust. Do not swallow. Handle and open container with care. Avoid dust formation. Good housekeeping is important to prevent accumulation of dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. When using do not eat, drink or smoke.

Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Avoid any dust build-up by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers.

7.3. Specific end use(s)

Not available.

NEXREG

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Quartz (14808-60-7)		
ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
OSHA	OSHA PEL (mg/m³)	(30)/(%SiO2 + 2) mg/m3 TWA (total dust) (250)/(%SiO2 + 5) mppcf TWA (respirable fraction) (10)/(%SiO2 + 2) mg/m3 TWA (respirable fraction)

8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection : Wear suitable waterproof gloves.

Eye protection : Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).

Skin and body protection : Wear suitable waterproof protective clothing.

Respiratory protection : A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

Environmental exposure controls : Maintain levels below Community environmental protection thresholds.

Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Granular powder

Color : No data available

Odor : No data available

Odor threshold : No data available

pH : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : Not flammable

Explosion limits : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Vapor pressure : No data available

Relative density : No data available

Relative vapor density at 20 °C : No data available

Solubility : No data available

Partition coefficient n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

9.2. Other information

No additional information available.

NEXREG

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions. Keep dry in storage.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Moisture. Wet cement is alkaline and incompatible with acid, ammonium salts and aluminum metal.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Sakrete Sands & Gravel	
LD50 oral rat	No data available
LD50 dermal rat	No data available
LC50 inhalation rat	No data available

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/irritation : Based on available data, the classification criteria are not met.

Respiratory or skin sensitization : Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : May cause cancer.

Quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens

Reproductive toxicity : Based on available data, the classification criteria are not met.

STOT-single exposure : Based on available data, the classification criteria are not met.

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure. Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.

Aspiration hazard : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : May cause respiratory tract irritation.

Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

12.2. Persistence and degradability

Sakrete Sands & Gravel	
Persistence and degradability	Not established.

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12.3. Bioaccumulative potential

Sakrete Sands & Gravel	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on global warming : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

Additional information

Other information : No supplementary information available.

Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.3. US State regulations

Sakrete Sands & Gravel	
State or local regulations	This product contains Crystalline Silica, Quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16: Other information

Date of issue : 09/26/2016

Revision date : 01/31/2018

Other information : None.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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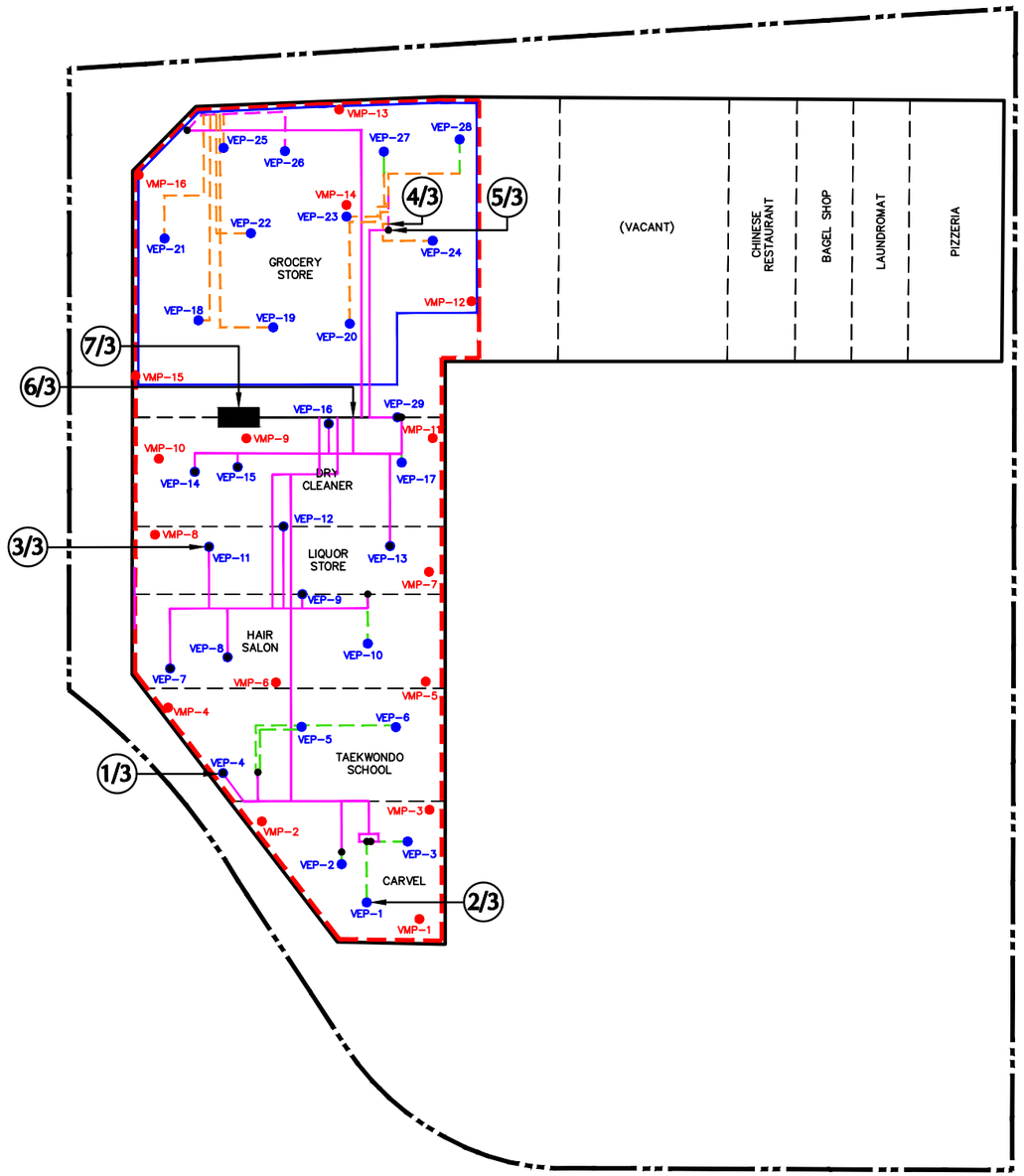
APPENDIX E

Record Drawings



LEGEND:

- PROPERTY LINE
- EXISTING BUILDING OUTLINE
- INTERIOR WALL
- VEP-1 SSDS FULL-SCALE VEP
- VMP-1 SSDS FULL-SCALE VMP
- SSDS MITIGATION AREA
- APPROXIMATE BASEMENT EXTENTS
- INDIVIDUAL BELOW GRADE WELL LINE (SCH40 PVC)
- INDIVIDUAL ABOVE GROUND WELL LINE (2-INCH BLACK STEEL)
- INTERIOR SUB-HEADER LINE (4-INCH BLACK STEEL)
- EXTERIOR SUB-HEADER LINE (4-INCH SCH40 PVC)
- EXTERIOR MAIN HEADER LINE (6-INCH SCH40 PVC)
- ROOF PENETRATION LOCATION
- 1/3 DETAIL 1 OF FIGURE 3
- APPROXIMATE LOCATION OF PROCESS EQUIPMENT ON ROOF

NOTES:

PVC – POLYVINYL CHLORIDE
SCH – SCHEDULE
SSDS – SUB-SLAB DEPRESSURIZATION SYSTEM
VEP – VAPOR EXTRACTION POINT
VMP – VACUUM MONITORING POINT

1. THE VEP LOCATIONS AND ASSOCIATED MANIFOLD PIPING WERE CO-LOCATED WITH BUILDING WALLS, TO THE EXTENT POSSIBLE, TO MINIMIZE TRENCHING AND DISTURBANCE TO NORMAL BUSINESS OPERATIONS FOLLOWING SYSTEM INSTALLATION.
2. THE VEP LOCATIONS WERE PIPED EITHER VERTICALLY OR HORIZONTALLY VIA INDIVIDUAL VEP LINES. WHERE THE VEP WAS CO-LOCATED WITH A BUILDING WALL, THE INDIVIDUAL VEP LINE (2-INCH BLACK STEEL) WAS RUN VERTICALLY ALONG THE WALL TO THE CEILING – SEE DETAIL 1 ON FIGURE 3.
3. WHERE THE VEP WAS NOT CO-LOCATED WITH A BUILDING WALL, THE INDIVIDUAL VEP LINE WAS FIRST RUN HORIZONTALLY BENEATH THE EXISTING BUILDING SLAB (2-INCH SCH 40 PVC), REQUIRING TRENCHING, TO THE NEAREST BUILDING WALL AND THEN RUN VERTICALLY ALONG THE WALL (2-INCH BLACK STEEL) TO THE CEILING – SEE DETAIL 2 ON FIGURE 3.
4. WITHIN THE GROCERY STORE SPACE, INDIVIDUAL VEP LINES MANIFOLD INTO ONE OF TWO 4-INCH SCH 40 BLACK STEEL SUB-HEADER LINES AT THE BASEMENT CEILING PRIOR TO PENETRATING THE ROOF. IN ALL SPACES OUTSIDE OF THE GROCERY STORE, INDIVIDUAL VEP LINES PENETRATE THE ROOF AND ARE THEN MANIFOLD INTO ONE OF THREE 4-INCH SCH 40 PVC SUB-HEADER LINES – SEE DETAILS 3 AND 4 ON FIGURE 3.
5. EACH 4-INCH SUB-HEADER LINE CONNECTED FIVE OR SIX VEP LOCATIONS TOGETHER AND WAS MANIFOLD TO THE 6-INCH SCH40 PVC MAIN HEADER LINE, WHICH WAS SUBSEQUENTLY CONNECTED TO THE ROOF-MOUNTED PROCESS EQUIPMENT. ALL EXTERIOR PIPING WAS EQUIPPED WITH INSULATION.
6. ALL SSDS PIPING WAS SLOPED TOWARDS THE VEP LOCATIONS TO PREVENT THE POTENTIAL ACCUMULATION OF CONDENSATION.
7. ALL ABOVE GROUND SSDS MANIFOLD PIPING IS CLEARLY LABELED AS "SUB-SLAB DEPRESSURIZATION SYSTEM".
8. SSDS EXHAUST MAINTAINS A MINIMUM 10-FOOT CLEARANCE OF ANY WINDOW, DOOR, OR INTAKE.
9. EACH INDIVIDUAL VEP LINE WAS EQUIPPED WITH A VACUUM GAUGE, GATE VALVE, AND SAMPLE PORT FOR MONITORING AND PERFORMANCE ADJUSTMENTS. THE WELL-SPECIFIC INSTRUMENTATION WAS LOCATED ABOVE-GROUND AND IS ACCESSIBLE FOR FUTURE ACCESS. SEE DETAILS 1 AND 2 ON FIGURE 3.
10. THE SSDS PROCESS EQUIPMENT WAS INSTALLED ON THE ROOF OF THE EXISTING BUILDING IN A NOISE AND WEATHER-PROOF ENCLOSURE. SEE DETAIL 7 ON FIGURE 3.

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SIGNATURE DATE SIGNED
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NJ Certificate of Authorization No.24GA27996400

Project
990-1026 ROSSVILLE AVENUE
BLOCK No. 7054, LOT No. 518
STATEN ISLAND NEW YORK

Drawing Title
AS-BUILT SSDS WELL MANIFOLD LAYOUT

Project No.	Figure No.
100849501	1
Date: 08/26/2022	
Drawn By: AC/AL	
Checked By: MA	

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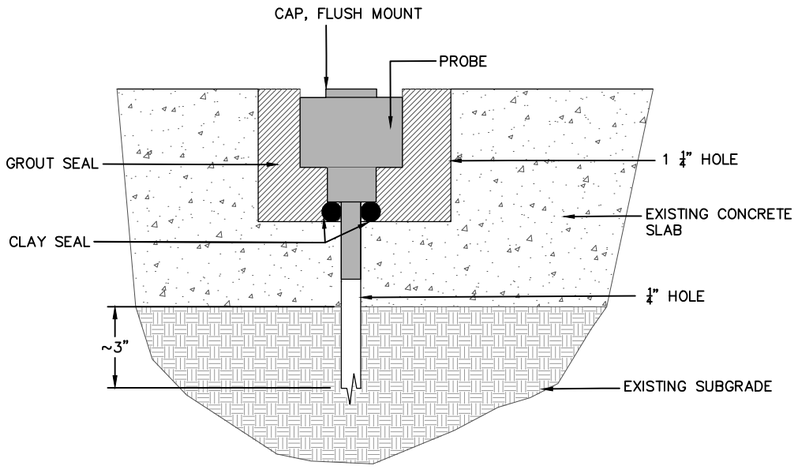
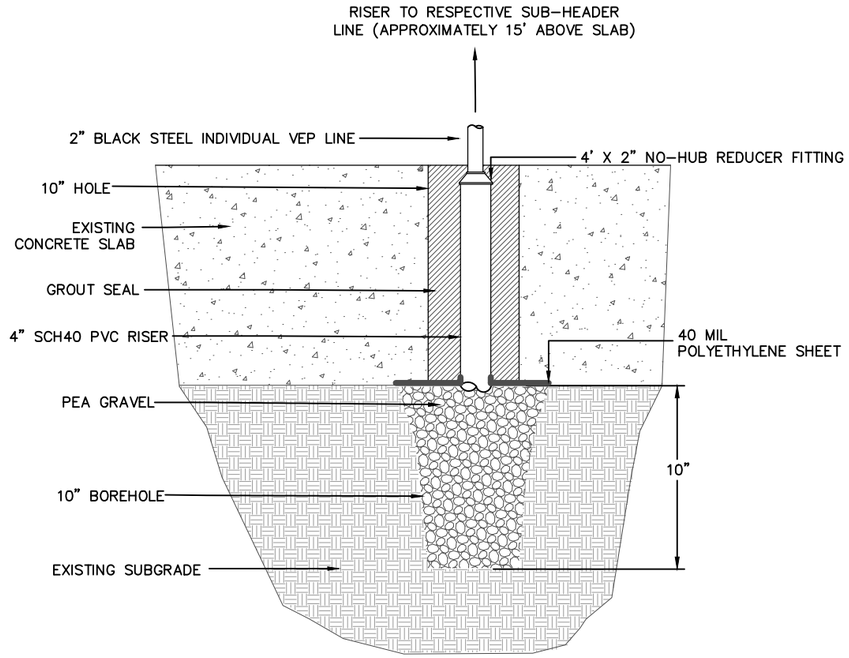
Filename: \\Langan.com\data\PAR\data5\100849501\Project Data\CAD\01\SheetFiles\Environmental\SSDS Design As-Built\FG02-100849501-ND101-0101_AS-BUILT LAYOUT.dwg Date: 5/19/2023 Time: 14:06 User: alooman Style Table: Langan.stb Layout: AS-BUILT LAYOUT



TYPICAL VACUUM MONITORING POINT
CONSTRUCTION DETAILS



TYPICAL VAPOR EXTRACTION POINT
CONSTRUCTION DETAILS

NOTES:

PVC – POLYVINYL CHLORIDE
SCH – SCHEDULE
SSDS – SUB-SLAB DEPRESSURIZATION SYSTEM
VEP – VAPOR EXTRACTION POINT
VMP – VACUUM MONITORING POINT

1. DRAWING IS NOT TO SCALE.
2. EACH VMP WAS INSTALLED VIA A HAMMER DRILL AND FINISHED FLUSH WITH THE EXISTING SLAB.
3. EACH VEP WAS INSTALLED BY CORING THE CONCRETE SLAB AND HAND DIGGING THE BOREHOLE. THE EXCAVATED PIT WAS BACKFILLED WITH PEA GRAVEL TO THE BOTTOM OF THE EXISTING SLAB AND THE OPEN ENDED 4-INCH SCH 40 PVC RISER PLACED ON TOP. PRIOR TO SEALING THE CORE, A 40-MIL POLYETHYLENE LINER WAS CUT TO INTO AN APPROXIMATELY 12-INCH DIAMETER CIRCLE AND WITH AN "X" SHAPED SLIT IN THE MIDDLE. THIS WAS FITTED OVER THE RISER PIPE AND PLACED ON THE INTERFACE BETWEEN THE TOP OF THE PEA GRAVEL AND BOTTOM OF THE SLAB TO PREVENT GROUT FROM INFILTRATING INTO THE PEA GRAVEL.

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NJ Certificate of Authorization No.24GA27996400

Project
990-1026 ROSSVILLE AVENUE
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Drawing Title
AS-BUILT WELL CONSTRUCTION DETAILS

Project No.	Figure No.
100849501	2
Date: 08/26/2022	
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Checked By: MA	

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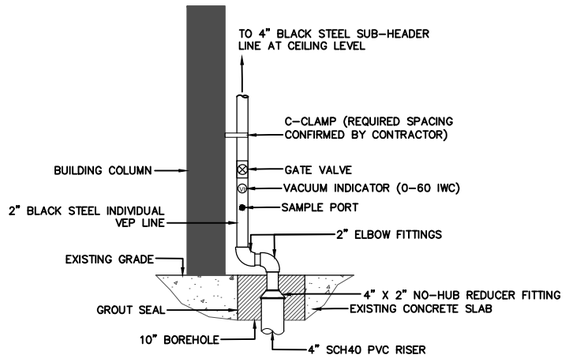
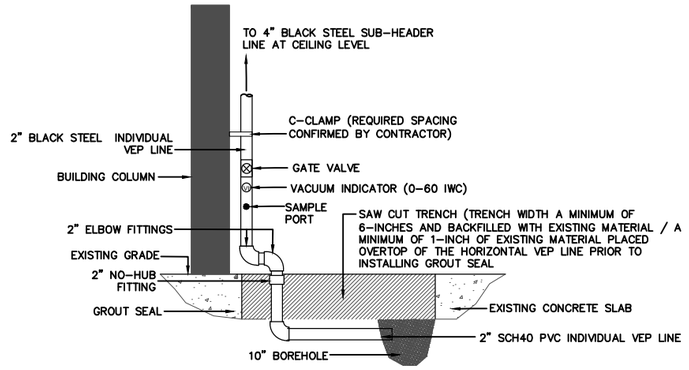
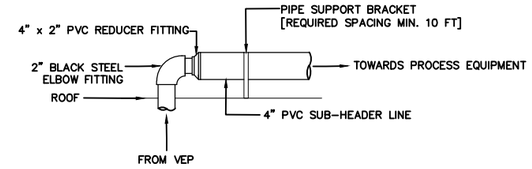


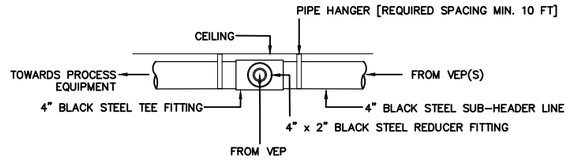
1 INDIVIDUAL VEP LINE BELOW GROUND TO ABOVE GROUND TRANSITION AND ASSOCIATED INSTRUMENTATION



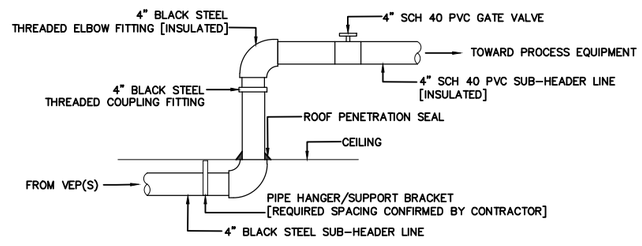
2 INDIVIDUAL VEP LINE BELOW GROUND TO ABOVE GROUND TRANSITION AND ASSOCIATED INSTRUMENTATION



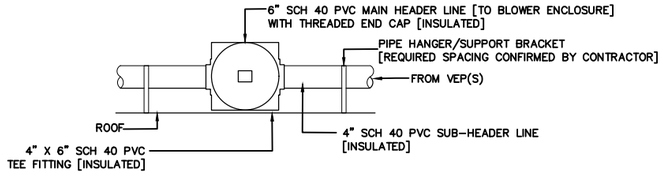
3 CONNECTION OF INDIVIDUAL VEP LINES TO SUB-HEADER LINE AT ROOF



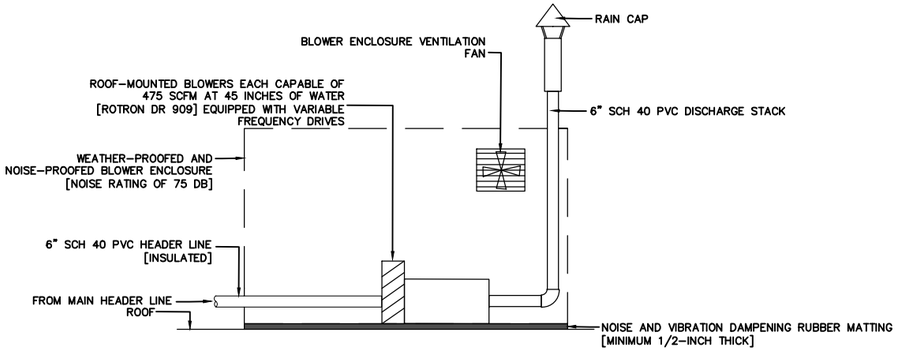
4 CONNECTION OF INDIVIDUAL VEP LINES TO SUB-HEADER LINE AT CEILING



5 SUB-HEADER LINE ROOF PENETRATION



6 CONNECTION OF SUB-HEADER LINES TO MAIN HEADER LINE



7 BLOWER ENCLOSURE

NOTES:
IWC – INCHES OF WATER COLUMN VACUUM
PVC – POLYVINYL CHLORIDE
SCH – SCHEDULE
SSDS – SUB-SLAB DEPRESSURIZATION SYSTEM
VEP – VAPOR EXTRACTION POINT
VMP – VACUUM MONITORING POINT

1. DRAWING IS NOT TO SCALE.

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Drawing Title
AS-BUILT MANIFOLD CONSTRUCTION DETAILS

Project No.	Figure No.
100849501	3
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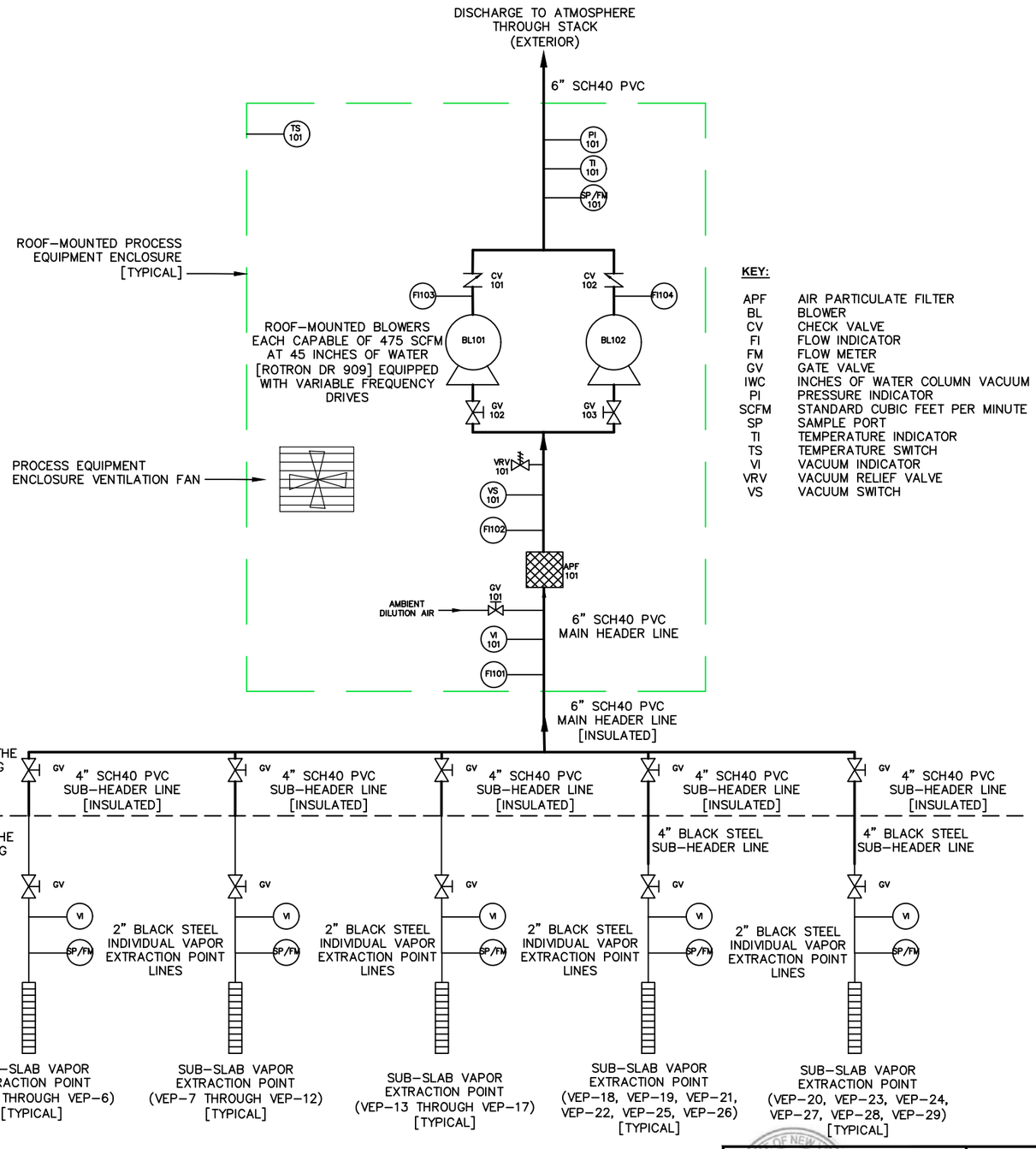

KEY:

APF	AIR PARTICULATE FILTER
BL	BLOWER
CV	CHECK VALVE
FI	FLOW INDICATOR
FM	FLOW METER
GV	GATE VALVE
IWC	INCHES OF WATER COLUMN VACUUM
PI	PRESSURE INDICATOR
SCFM	STANDARD CUBIC FEET PER MINUTE
SP	SAMPLE PORT
TI	TEMPERATURE INDICATOR
TS	TEMPERATURE SWITCH
VI	VACUUM INDICATOR
VRV	VACUUM RELIEF VALVE
VS	VACUUM SWITCH

NOTES:
PVC – POLYVINYL CHLORIDE
SCH – SCHEDULE
SSDS – SUB–SLAB DEPRESSURIZATION SYSTEM
VEP – VAPOR EXTRACTION POINT

1. DRAWING IS NOT TO SCALE.
2. THE SSDS PROCESS EQUIPMENT HAS BEEN ADEQUATELY SIZED TO ENSURE SUFFICIENT VACUUM AT EACH WELLHEAD WHILE ACCOUNTING FOR FRICTIONAL HEAD LOSSES IN THE SSDS PIPING. IN ORDER TO ENSURE ADEQUATE VACUUM INFLUENCE THROUGHOUT THE ENTIRE MITIGATION AREA SLAB AS WELL AS TO ADD A LAYER OF REDUNDANCY AND OPERATIONAL FLEXIBILITY, A MULTIPLE BLOWER CONFIGURATION WAS INSTALLED (TWO BLOWERS, EACH CAPABLE OF 475 SCFM AT 45 INCHES OF WATER AT THE BLOWER INLET).
3. A WIRELESS AUTODIALER FOR REMOTE MONITORING OF THE SYSTEM WAS PROVIDED BY THE CONTRACTOR. THE AUTODIALER WILL CALL OUT TO PRE–PROGRAMMED PHONE NUMBER(S) IN THE EVENT OF A POWER FAILURE, MOTOR OVERLOAD, LOW VACUUM, OR HIGH ENCLOSURE TEMPERATURE CONDITIONS AT EITHER BLOWER. THE AUTODIALER IS HOUSED IN A SEPARATE WEATHER–PROOFED ENCLOSURE MOUNTED NEAR THE BLOWER ENCLOSURE.
4. THE SAMPLE PORT SP/FM (BARBED FITTING WITH BALL VALVE) IS USED FOR AIR FLOW RATE MEASUREMENTS USING A PITOT TUBE OR THERMAL ANEMOMETER.

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Project
990-1026 ROSSVILLE AVENUE
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Drawing Title
AS-BUILT SSDS PROCESS AND INSTRUMENTATION DIAGRAM

Project No.	100849501
Date	08/26/2022
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Figure No. 4

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APPENDIX F

Disposal Documentation

557622-22 4972777 10/31

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000254857	1	(636) 586-5900	015303301 FLE

GENERATOR

5. Generator's Name and Mailing Address
Allied Rossville LLC
118-35 Queens Blvd. 18th Floor
Forest Hills NY

Generator's Site Address (if different than mailing address)
990 Rossville Ave
Staten Island, NY. 10309

Generator's Phone:

6. Transporter 1 Company Name: NARCO Environmental Services — U.S. EPA ID Number: NYR000107326

7. Transporter 2 Company Name: Republic ENV SYS (TRANS Group) — U.S. EPA ID Number: PAD982661381

8. Designated Facility Name and Site Address
Republic Environmental Systems LLC
2869 Sandstone Drive, Hatfield PA 19440
U.S. EPA ID Number: PAD085690592

Facility's Phone:

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. Waste Codes		
X	1. NA3082 Hazardous Waste Liquid NOS (PCE contaminated Ground Water) PG III	002	DM	600	P	F001	D039	
X	2. NA3077 Hazardous Waste Solid NOS PCE contaminated PG III	004	DM	3500	P	F001	D039	
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. 2 x 55g
2. 7 x 55g
Truck # 309
Job # 21800

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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Doug Kirk — Signature: [signature] — Month 10 Day 5 Year 22

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 Materials

Transporter 1 Printed/Typed Name: Nathan Muse — Signature: [signature] — Month 10 Day 5 Year 22

Transporter 2 Printed/Typed Name: Andre McCall — Signature: [signature] — Month 10 Day 14 Year 22

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference 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. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141 2. H141 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: [illegible] — Signature: [signature] — Month 10 Day 31 Year 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

APPENDIX G

Community Air Monitoring Program Data

LANGAN

pDR
Tag Number: 04
Number of logged points: 468
Start time and date: 05:58:34 26-Apr
Elapsed time: 07:48:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 27.902 mg/m3
Time at maximum: 07:57:17 Apr 26
Max STEL Concentration: 1.833 mg/m3
Time at max STEL: 08:00:05 Apr 26
Overall Avg Conc: 0.141 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)	
1	26-Apr	05:59:34	0.028	
2	26-Apr	06:00:34	0.027	
3	26-Apr	06:01:34	0.027	
4	26-Apr	06:02:34	0.029	
5	26-Apr	06:03:34	0.029	
6	26-Apr	06:04:34	0.028	
7	26-Apr	06:05:34	0.028	
8	26-Apr	06:06:34	0.029	
9	26-Apr	06:07:34	0.029	
10	26-Apr	06:08:34	0.027	
11	26-Apr	06:09:34	0.028	
12	26-Apr	06:10:34	0.029	
13	26-Apr	06:11:34	0.03	
14	26-Apr	06:12:34	0.028	
15	26-Apr	06:13:34	0.027	0.0282
16	26-Apr	06:14:34	0.03	0.028333
17	26-Apr	06:15:34	0.028	0.0284
18	26-Apr	06:16:34	0.028	0.028467
19	26-Apr	06:17:34	0.028	0.0284
20	26-Apr	06:18:34	0.027	0.028267
21	26-Apr	06:19:34	0.027	0.0282
22	26-Apr	06:20:34	0.029	0.028267
23	26-Apr	06:21:34	0.027	0.028133
24	26-Apr	06:22:34	0.027	0.028
25	26-Apr	06:23:34	0.027	0.028
26	26-Apr	06:24:34	0.029	0.028067
27	26-Apr	06:25:34	0.027	0.027933
28	26-Apr	06:26:34	0.029	0.027867
29	26-Apr	06:27:34	0.028	0.027867
30	26-Apr	06:28:34	0.03	0.028067
31	26-Apr	06:29:34	0.034	0.028333
32	26-Apr	06:30:34	0.026	0.0282
33	26-Apr	06:31:34	0.027	0.028133

Point	Date	Time	Avg.(mg/m3)	
34	26-Apr	06:32:34	0.027	0.028067
35	26-Apr	06:33:34	0.027	0.028067
36	26-Apr	06:34:34	0.027	0.028067
37	26-Apr	06:35:34	0.027	0.027933
38	26-Apr	06:36:34	0.028	0.028
39	26-Apr	06:37:34	0.027	0.028
40	26-Apr	06:38:34	0.027	0.028
41	26-Apr	06:39:34	0.026	0.0278
42	26-Apr	06:40:34	0.027	0.0278
43	26-Apr	06:41:34	0.027	0.027667
44	26-Apr	06:42:34	0.026	0.027533
45	26-Apr	06:43:34	0.027	0.027333
46	26-Apr	06:44:34	0.027	0.026867
47	26-Apr	06:45:34	0.027	0.026933
48	26-Apr	06:46:34	0.026	0.026867
49	26-Apr	06:47:34	0.027	0.026867
50	26-Apr	06:48:34	0.029	0.027
51	26-Apr	06:49:34	0.027	0.027
52	26-Apr	06:50:34	0.026	0.026933
53	26-Apr	06:51:34	0.026	0.0268
54	26-Apr	06:52:34	0.026	0.026733
55	26-Apr	06:53:34	0.027	0.026733
56	26-Apr	06:54:34	0.026	0.026733
57	26-Apr	06:55:34	0.026	0.026667
58	26-Apr	06:56:34	0.027	0.026667
59	26-Apr	06:57:34	0.026	0.026667
60	26-Apr	06:58:34	0.027	0.026667
61	26-Apr	06:59:34	0.029	0.0268
62	26-Apr	07:00:34	0.027	0.0268
63	26-Apr	07:01:34	0.027	0.026867
64	26-Apr	07:02:34	0.026	0.0268
65	26-Apr	07:03:34	0.029	0.0268
66	26-Apr	07:04:34	0.025	0.026667
67	26-Apr	07:05:34	0.027	0.026733
68	26-Apr	07:06:34	0.026	0.026733
69	26-Apr	07:07:34	0.027	0.0268
70	26-Apr	07:08:34	0.029	0.026933
71	26-Apr	07:09:34	0.027	0.027
72	26-Apr	07:10:34	0.028	0.027133
73	26-Apr	07:11:34	0.026	0.027067
74	26-Apr	07:12:34	0.027	0.027133
75	26-Apr	07:13:34	0.027	0.027133
76	26-Apr	07:14:34	0.028	0.027067
77	26-Apr	07:15:34	0.027	0.027067
78	26-Apr	07:16:34	0.026	0.027
79	26-Apr	07:17:34	0.027	0.027067

Point	Date	Time	Avg.(mg/m3)		
80	26-Apr	07:18:34	0.025	0.0268	
81	26-Apr	07:19:34	0.038	0.027667	
82	26-Apr	07:20:34	0.026	0.0276	
83	26-Apr	07:21:34	0.028	0.027733	
84	26-Apr	07:22:34	0.026	0.027667	
85	26-Apr	07:23:34	0.027	0.027533	
86	26-Apr	07:24:34	0.027	0.027533	
87	26-Apr	07:25:34	0.029	0.0276	
88	26-Apr	07:26:34	0.027	0.027667	
89	26-Apr	07:27:34	0.027	0.027667	
90	26-Apr	07:28:34	0.026	0.0276	
91	26-Apr	07:29:34	0.029	0.027667	
92	26-Apr	07:30:34	0.029	0.0278	
93	26-Apr	07:31:34	0.026	0.0278	
94	26-Apr	07:32:34	0.026	0.027733	
95	26-Apr	07:33:34	0.027	0.027867	
96	26-Apr	07:34:34	0.027	0.027133	
97	26-Apr	07:35:34	0.027	0.0272	
98	26-Apr	07:36:34	0.032	0.027467	
99	26-Apr	07:37:34	0.037	0.0282	
100	26-Apr	07:38:34	0.039	0.029	
101	26-Apr	07:39:34	1.799	0.147133	
102	26-Apr	07:40:34	2.105	0.285533	0.285533
103	26-Apr	07:41:34	1.62	0.391733	0.391733
104	26-Apr	07:42:34	1.147	0.4664	0.4664
105	26-Apr	07:43:34	1.167	0.542467	0.542467
106	26-Apr	07:44:34	1.015	0.6082	0.6082
107	26-Apr	07:45:34	3.959	0.8702	0.8702
108	26-Apr	07:46:34	5	1.2018	1.2018
109	26-Apr	07:47:34	3.219	1.414667	1.414667
110	26-Apr	07:48:34	0.817	1.467333	1.467333
111	26-Apr	07:49:34	0.209	1.479467	1.479467
112	26-Apr	07:50:34	0.034	1.479933	1.479933
113	26-Apr	07:51:34	0.028	1.479667	1.479667
114	26-Apr	07:52:34	0.033	1.4794	1.4794
115	26-Apr	07:53:34	0.036	1.4792	1.4792
116	26-Apr	07:54:34	0.03	1.361267	1.361267
117	26-Apr	07:55:34	0.03	1.222933	1.222933
118	26-Apr	07:56:34	0.038	1.117467	1.117467
119	26-Apr	07:57:34	10.04	1.710333	1.710333
120	26-Apr	07:58:34	1.058	1.703067	1.703067
121	26-Apr	07:59:34	1.799	1.755333	1.755333
122	26-Apr	08:00:34	3.598	1.731267	1.731267
123	26-Apr	08:01:34	4.56	1.701933	1.701933
124	26-Apr	08:02:34	1.508	1.587867	1.587867
125	26-Apr	08:03:34	1.04	1.602733	1.602733

Point	Date	Time	Avg.(mg/m3)				
126	26-Apr	08:04:34	0.856	1.645867	1.645867		
127	26-Apr	08:05:34	0.291	1.663	1.663		
128	26-Apr	08:06:34	0.295	1.6808	1.6808		
129	26-Apr	08:07:34	0.511	1.712667	1.712667		
130	26-Apr	08:08:34	0.201	1.723667	1.723667		
131	26-Apr	08:09:34	0.363	1.745867	1.745867		
132	26-Apr	08:10:34	0.4	1.770533	1.770533		
133	26-Apr	08:11:34	0.183	1.7802	1.7802		
134	26-Apr	08:12:34	0.112	1.118333	1.118333		
135	26-Apr	08:13:34	0.135	1.0568	1.0568		
136	26-Apr	08:14:34	0.19	0.949533	0.949533		
137	26-Apr	08:15:34	0.27	0.727667	0.727667		
138	26-Apr	08:16:34	0.19	0.436333	0.436333		
139	26-Apr	08:17:34	0.092	0.341933	0.341933		
140	26-Apr	08:18:34	0.071	0.277333	0.277333		
141	26-Apr	08:19:34	0.071	0.225	0.225		
142	26-Apr	08:20:34	0.087	0.2114	0.2114		
143	26-Apr	08:21:34	0.058	0.1956	0.1956		
144	26-Apr	08:22:34	0.052	0.165	0.165	Max:	1.7802
145	26-Apr	08:23:34	0.049	0.154867	0.154867	Min:	0.154867
146	26-Apr	08:24:34	0.076	0.135733			
147	26-Apr	08:25:34	0.122	0.1172			
148	26-Apr	08:26:34	0.153	0.1152			
149	26-Apr	08:27:34	0.176	0.119467			
150	26-Apr	08:28:34	0.103	0.117333			
151	26-Apr	08:29:34	0.095	0.111			
152	26-Apr	08:30:34	0.049	0.096267			
153	26-Apr	08:31:34	0.038	0.086133			
154	26-Apr	08:32:34	0.108	0.0872			
155	26-Apr	08:33:34	0.045	0.085467			
156	26-Apr	08:34:34	0.033	0.082933			
157	26-Apr	08:35:34	0.036	0.079533			
158	26-Apr	08:36:34	0.042	0.078467			
159	26-Apr	08:37:34	0.035	0.077333			
160	26-Apr	08:38:34	0.051	0.077467			
161	26-Apr	08:39:34	0.084	0.078			
162	26-Apr	08:40:34	0.1	0.076533			
163	26-Apr	08:41:34	0.057	0.070133			
164	26-Apr	08:42:34	0.032	0.060533			
165	26-Apr	08:43:34	0.036	0.056067			
166	26-Apr	08:44:34	0.035	0.052067			
167	26-Apr	08:45:34	0.034	0.051067			
168	26-Apr	08:46:34	0.034	0.0508			
169	26-Apr	08:47:34	0.037	0.046067			
170	26-Apr	08:48:34	0.034	0.045333			
171	26-Apr	08:49:34	0.034	0.0454			

Point	Date	Time	Avg.(mg/m3)	
172	26-Apr	08:50:34	0.047	0.046133
173	26-Apr	08:51:34	0.039	0.045933
174	26-Apr	08:52:34	0.034	0.045867
175	26-Apr	08:53:34	0.033	0.044667
176	26-Apr	08:54:34	0.047	0.0422
177	26-Apr	08:55:34	0.05	0.038867
178	26-Apr	08:56:34	0.039	0.037667
179	26-Apr	08:57:34	0.043	0.0384
180	26-Apr	08:58:34	0.034	0.038267
181	26-Apr	08:59:34	0.033	0.038133
182	26-Apr	09:00:34	0.034	0.038133
183	26-Apr	09:01:34	0.034	0.038133
184	26-Apr	09:02:34	0.033	0.037867
185	26-Apr	09:03:34	0.036	0.038
186	26-Apr	09:04:34	0.039	0.038333
187	26-Apr	09:05:34	0.032	0.037333
188	26-Apr	09:06:34	0.034	0.037
189	26-Apr	09:07:34	0.038	0.037267
190	26-Apr	09:08:34	0.033	0.037267
191	26-Apr	09:09:34	0.032	0.036267
192	26-Apr	09:10:34	0.033	0.035133
193	26-Apr	09:11:34	0.034	0.0348
194	26-Apr	09:12:34	0.034	0.0342
195	26-Apr	09:13:34	0.035	0.034267
196	26-Apr	09:14:34	0.037	0.034533
197	26-Apr	09:15:34	0.049	0.035533
198	26-Apr	09:16:34	0.054	0.036867
199	26-Apr	09:17:34	0.068	0.0392
200	26-Apr	09:18:34	0.058	0.040667
201	26-Apr	09:19:34	0.076	0.043133
202	26-Apr	09:20:34	0.112	0.048467
203	26-Apr	09:21:34	0.056	0.049933
204	26-Apr	09:22:34	0.054	0.051
205	26-Apr	09:23:34	0.045	0.0518
206	26-Apr	09:24:34	0.043	0.052533
207	26-Apr	09:25:34	0.043	0.0532
208	26-Apr	09:26:34	0.047	0.054067
209	26-Apr	09:27:34	0.053	0.055333
210	26-Apr	09:28:34	0.056	0.056733
211	26-Apr	09:29:34	0.041	0.057
212	26-Apr	09:30:34	0.038	0.056267
213	26-Apr	09:31:34	0.034	0.054933
214	26-Apr	09:32:34	0.032	0.052533
215	26-Apr	09:33:34	0.032	0.0508
216	26-Apr	09:34:34	0.037	0.0482
217	26-Apr	09:35:34	0.039	0.043333

Point	Date	Time	Avg.(mg/m3)	
218	26-Apr	09:36:34	0.046	0.042667
219	26-Apr	09:37:34	0.043	0.041933
220	26-Apr	09:38:34	0.036	0.041333
221	26-Apr	09:39:34	0.043	0.041333
222	26-Apr	09:40:34	0.036	0.040867
223	26-Apr	09:41:34	0.031	0.0398
224	26-Apr	09:42:34	0.032	0.0384
225	26-Apr	09:43:34	0.033	0.036867
226	26-Apr	09:44:34	0.034	0.0364
227	26-Apr	09:45:34	0.036	0.036267
228	26-Apr	09:46:34	0.035	0.036333
229	26-Apr	09:47:34	0.036	0.0366
230	26-Apr	09:48:34	0.036	0.036867
231	26-Apr	09:49:34	0.035	0.036733
232	26-Apr	09:50:34	0.035	0.036467
233	26-Apr	09:51:34	0.032	0.035533
234	26-Apr	09:52:34	0.035	0.035
235	26-Apr	09:53:34	0.037	0.035067
236	26-Apr	09:54:34	0.037	0.034667
237	26-Apr	09:55:34	0.05	0.0356
238	26-Apr	09:56:34	0.041	0.036267
239	26-Apr	09:57:34	0.036	0.036533
240	26-Apr	09:58:34	0.033	0.036533
241	26-Apr	09:59:34	0.052	0.037733
242	26-Apr	10:00:34	0.044	0.038267
243	26-Apr	10:01:34	0.04	0.0386
244	26-Apr	10:02:34	0.04	0.038867
245	26-Apr	10:03:34	0.043	0.039333
246	26-Apr	10:04:34	0.04	0.039667
247	26-Apr	10:05:34	0.043	0.0402
248	26-Apr	10:06:34	0.038	0.0406
249	26-Apr	10:07:34	0.035	0.0406
250	26-Apr	10:08:34	0.035	0.040467
251	26-Apr	10:09:34	0.04	0.040667
252	26-Apr	10:10:34	0.034	0.0396
253	26-Apr	10:11:34	0.031	0.038933
254	26-Apr	10:12:34	0.036	0.038933
255	26-Apr	10:13:34	0.034	0.039
256	26-Apr	10:14:34	0.033	0.037733
257	26-Apr	10:15:34	0.04	0.037467
258	26-Apr	10:16:34	0.035	0.037133
259	26-Apr	10:17:34	0.032	0.0366
260	26-Apr	10:18:34	0.033	0.035933
261	26-Apr	10:19:34	0.038	0.0358
262	26-Apr	10:20:34	0.033	0.035133
263	26-Apr	10:21:34	0.035	0.034933

Point	Date	Time	Avg.(mg/m3)	
264	26-Apr	10:22:34	0.033	0.0348
265	26-Apr	10:23:34	0.034	0.034733
266	26-Apr	10:24:34	0.033	0.034267
267	26-Apr	10:25:34	0.033	0.0342
268	26-Apr	10:26:34	0.032	0.034267
269	26-Apr	10:27:34	0.034	0.034133
270	26-Apr	10:28:34	0.033	0.034067
271	26-Apr	10:29:34	0.034	0.034133
272	26-Apr	10:30:34	0.036	0.033867
273	26-Apr	10:31:34	0.033	0.033733
274	26-Apr	10:32:34	0.036	0.034
275	26-Apr	10:33:34	0.035	0.034133
276	26-Apr	10:34:34	0.031	0.033667
277	26-Apr	10:35:34	0.033	0.033667
278	26-Apr	10:36:34	0.037	0.0338
279	26-Apr	10:37:34	0.037	0.034067
280	26-Apr	10:38:34	0.035	0.034133
281	26-Apr	10:39:34	0.032	0.034067
282	26-Apr	10:40:34	0.038	0.0344
283	26-Apr	10:41:34	0.035	0.0346
284	26-Apr	10:42:34	0.04	0.035
285	26-Apr	10:43:34	0.039	0.0354
286	26-Apr	10:44:34	0.033	0.035333
287	26-Apr	10:45:34	0.033	0.035133
288	26-Apr	10:46:34	0.033	0.035133
289	26-Apr	10:47:34	0.04	0.0354
290	26-Apr	10:48:34	0.033	0.035267
291	26-Apr	10:49:34	0.039	0.0358
292	26-Apr	10:50:34	0.033	0.0358
293	26-Apr	10:51:34	0.034	0.0356
294	26-Apr	10:52:34	0.037	0.0356
295	26-Apr	10:53:34	0.032	0.0354
296	26-Apr	10:54:34	0.032	0.0354
297	26-Apr	10:55:34	0.034	0.035133
298	26-Apr	10:56:34	0.034	0.035067
299	26-Apr	10:57:34	0.032	0.034533
300	26-Apr	10:58:34	0.031	0.034
301	26-Apr	10:59:34	0.031	0.033867
302	26-Apr	11:00:34	0.031	0.033733
303	26-Apr	11:01:34	0.031	0.0336
304	26-Apr	11:02:34	0.031	0.033
305	26-Apr	11:03:34	0.031	0.032867
306	26-Apr	11:04:34	0.036	0.032667
307	26-Apr	11:05:34	0.034	0.032733
308	26-Apr	11:06:34	0.034	0.032733
309	26-Apr	11:07:34	0.039	0.032867

Point	Date	Time	Avg.(mg/m3)	
310	26-Apr	11:08:34	0.041	0.033467
311	26-Apr	11:09:34	0.037	0.0338
312	26-Apr	11:10:34	0.033	0.033733
313	26-Apr	11:11:34	0.031	0.033533
314	26-Apr	11:12:34	0.033	0.0336
315	26-Apr	11:13:34	0.031	0.0336
316	26-Apr	11:14:34	0.04	0.0342
317	26-Apr	11:15:34	0.034	0.0344
318	26-Apr	11:16:34	0.034	0.0346
319	26-Apr	11:17:34	0.034	0.0348
320	26-Apr	11:18:34	0.035	0.035067
321	26-Apr	11:19:34	0.032	0.0348
322	26-Apr	11:20:34	0.033	0.034733
323	26-Apr	11:21:34	0.033	0.034667
324	26-Apr	11:22:34	0.038	0.0346
325	26-Apr	11:23:34	0.032	0.034
326	26-Apr	11:24:34	0.032	0.033667
327	26-Apr	11:25:34	0.042	0.034267
328	26-Apr	11:26:34	0.035	0.034533
329	26-Apr	11:27:34	0.037	0.0348
330	26-Apr	11:28:34	0.033	0.034933
331	26-Apr	11:29:34	0.032	0.0344
332	26-Apr	11:30:34	0.03	0.034133
333	26-Apr	11:31:34	0.031	0.033933
334	26-Apr	11:32:34	0.031	0.033733
335	26-Apr	11:33:34	0.031	0.033467
336	26-Apr	11:34:34	0.034	0.0336
337	26-Apr	11:35:34	0.032	0.033533
338	26-Apr	11:36:34	0.043	0.0342
339	26-Apr	11:37:34	0.038	0.0342
340	26-Apr	11:38:34	0.033	0.034267
341	26-Apr	11:39:34	0.035	0.034467
342	26-Apr	11:40:34	0.034	0.033933
343	26-Apr	11:41:34	0.034	0.033867
344	26-Apr	11:42:34	0.034	0.033667
345	26-Apr	11:43:34	0.041	0.0342
346	26-Apr	11:44:34	0.035	0.0344
347	26-Apr	11:45:34	0.035	0.034733
348	26-Apr	11:46:34	0.09	0.038667
349	26-Apr	11:47:34	0.063	0.0408
350	26-Apr	11:48:34	0.036	0.041133
351	26-Apr	11:49:34	0.036	0.041267
352	26-Apr	11:50:34	0.033	0.041333
353	26-Apr	11:51:34	0.04	0.041133
354	26-Apr	11:52:34	0.036	0.041
355	26-Apr	11:53:34	0.031	0.040867

Point	Date	Time	Avg.(mg/m3)	
356	26-Apr	11:54:34	0.031	0.0406
357	26-Apr	11:55:34	0.036	0.040733
358	26-Apr	11:56:34	0.04	0.041133
359	26-Apr	11:57:34	0.052	0.042333
360	26-Apr	11:58:34	0.044	0.042533
361	26-Apr	11:59:34	0.041	0.042933
362	26-Apr	12:00:34	0.041	0.043333
363	26-Apr	12:01:34	0.034	0.0396
364	26-Apr	12:02:34	0.035	0.037733
365	26-Apr	12:03:34	0.036	0.037733
366	26-Apr	12:04:34	0.034	0.0376
367	26-Apr	12:05:34	0.037	0.037867
368	26-Apr	12:06:34	0.049	0.038467
369	26-Apr	12:07:34	0.207	0.049867
370	26-Apr	12:08:34	0.149	0.057733
371	26-Apr	12:09:34	0.169	0.066933
372	26-Apr	12:10:34	0.067	0.069
373	26-Apr	12:11:34	0.042	0.069133
374	26-Apr	12:12:34	0.047	0.0688
375	26-Apr	12:13:34	0.033	0.068067
376	26-Apr	12:14:34	0.041	0.068067
377	26-Apr	12:15:34	0.037	0.0678
378	26-Apr	12:16:34	0.032	0.067667
379	26-Apr	12:17:34	0.034	0.0676
380	26-Apr	12:18:34	0.034	0.067467
381	26-Apr	12:19:34	0.033	0.0674
382	26-Apr	12:20:34	0.032	0.067067
383	26-Apr	12:21:34	0.055	0.067467
384	26-Apr	12:22:34	0.046	0.056733
385	26-Apr	12:23:34	0.047	0.049933
386	26-Apr	12:24:34	0.031	0.040733
387	26-Apr	12:25:34	0.032	0.0384
388	26-Apr	12:26:34	0.032	0.037733
389	26-Apr	12:27:34	0.032	0.036733
390	26-Apr	12:28:34	0.046	0.0376
391	26-Apr	12:29:34	0.042	0.037667
392	26-Apr	12:30:34	0.034	0.037467
393	26-Apr	12:31:34	0.038	0.037867
394	26-Apr	12:32:34	0.034	0.037867
395	26-Apr	12:33:34	0.032	0.037733
396	26-Apr	12:34:34	0.035	0.037867
397	26-Apr	12:35:34	0.032	0.037867
398	26-Apr	12:36:34	0.069	0.0388
399	26-Apr	12:37:34	0.031	0.0378
400	26-Apr	12:38:34	0.036	0.037067
401	26-Apr	12:39:34	0.04	0.037667

Point	Date	Time	Avg.(mg/m3)	
402	26-Apr	12:40:34	0.031	0.0376
403	26-Apr	12:41:34	0.035	0.0378
404	26-Apr	12:42:34	0.032	0.0378
405	26-Apr	12:43:34	0.031	0.0368
406	26-Apr	12:44:34	0.035	0.036333
407	26-Apr	12:45:34	0.052	0.037533
408	26-Apr	12:46:34	0.039	0.0376
409	26-Apr	12:47:34	0.043	0.0382
410	26-Apr	12:48:34	0.042	0.038867
411	26-Apr	12:49:34	0.038	0.039067
412	26-Apr	12:50:34	0.044	0.039867
413	26-Apr	12:51:34	0.037	0.037733
414	26-Apr	12:52:34	0.035	0.038
415	26-Apr	12:53:34	0.033	0.0378
416	26-Apr	12:54:34	0.033	0.037333
417	26-Apr	12:55:34	0.03	0.037267
418	26-Apr	12:56:34	0.035	0.037267
419	26-Apr	12:57:34	0.036	0.037533
420	26-Apr	12:58:34	0.04	0.038133
421	26-Apr	12:59:34	0.041	0.038533
422	26-Apr	13:00:34	0.033	0.037267
423	26-Apr	13:01:34	0.032	0.0368
424	26-Apr	13:02:34	0.035	0.036267
425	26-Apr	13:03:34	0.032	0.0356
426	26-Apr	13:04:34	0.033	0.035267
427	26-Apr	13:05:34	0.036	0.034733
428	26-Apr	13:06:34	0.034	0.034533
429	26-Apr	13:07:34	0.033	0.0344
430	26-Apr	13:08:34	0.032	0.034333
431	26-Apr	13:09:34	0.034	0.0344
432	26-Apr	13:10:34	0.034	0.034667
433	26-Apr	13:11:34	0.034	0.0346
434	26-Apr	13:12:34	0.031	0.034267
435	26-Apr	13:13:34	0.033	0.0338
436	26-Apr	13:14:34	0.032	0.0332
437	26-Apr	13:15:34	0.031	0.033067
438	26-Apr	13:16:34	0.033	0.033133
439	26-Apr	13:17:34	0.05	0.034133
440	26-Apr	13:18:34	0.032	0.034133
441	26-Apr	13:19:34	0.033	0.034133
442	26-Apr	13:20:34	0.031	0.0338
443	26-Apr	13:21:34	0.036	0.033933
444	26-Apr	13:22:34	0.033	0.033933
445	26-Apr	13:23:34	0.031	0.033867
446	26-Apr	13:24:34	0.033	0.0338
447	26-Apr	13:25:34	0.04	0.0342

Point	Date	Time	Avg.(mg/m3)	
448	26-Apr	13:26:34	0.032	0.034067
449	26-Apr	13:27:34	0.034	0.034267
450	26-Apr	13:28:34	0.032	0.0342
451	26-Apr	13:29:34	0.03	0.034067
452	26-Apr	13:30:34	0.032	0.034133
453	26-Apr	13:31:34	0.032	0.034067
454	26-Apr	13:32:34	0.038	0.033267
455	26-Apr	13:33:34	0.045	0.034133
456	26-Apr	13:34:34	0.033	0.034133
457	26-Apr	13:35:34	0.03	0.034067
458	26-Apr	13:36:34	0.031	0.033733
459	26-Apr	13:37:34	0.03	0.033533
460	26-Apr	13:38:34	0.03	0.033467
461	26-Apr	13:39:34	0.031	0.033333
462	26-Apr	13:40:34	0.031	0.032733
463	26-Apr	13:41:34	0.035	0.032933
464	26-Apr	13:42:34	0.035	0.033
465	26-Apr	13:43:34	0.034	0.033133
466	26-Apr	13:44:34	0.032	0.033267
467	26-Apr	13:45:34	0.03	0.033133
468	26-Apr	13:46:34	0.032	0.033133

pDR
Tag Number: 05
Number of logged points: 324
Start time and date: 08:22:27 27-Apr
Elapsed time: 05:24:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 7.917 mg/m3
Time at maximum: 11:51:40 Apr 27
Max STEL Concentration: 0.398 mg/m3
Time at max STEL: 10:21:57 Apr 27
Overall Avg Conc: 0.065 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)	
1	27-Apr	08:23:27	0.01	
2	27-Apr	08:24:27	0.002	
3	27-Apr	08:25:27	0.003	
4	27-Apr	08:26:27	0.002	
5	27-Apr	08:27:27	0.005	
6	27-Apr	08:28:27	0.018	
7	27-Apr	08:29:27	0.025	
8	27-Apr	08:30:27	0.035	
9	27-Apr	08:31:27	0.022	
10	27-Apr	08:32:27	0.017	
11	27-Apr	08:33:27	0.043	
12	27-Apr	08:34:27	0.034	
13	27-Apr	08:35:27	0.038	
14	27-Apr	08:36:27	0.02	
15	27-Apr	08:37:27	0.013	0.019133
16	27-Apr	08:38:27	0.022	0.019933
17	27-Apr	08:39:27	0.016	0.020867
18	27-Apr	08:40:27	0.042	0.023467
19	27-Apr	08:41:27	0.045	0.026333
20	27-Apr	08:42:27	0.024	0.0276
21	27-Apr	08:43:27	0.023	0.027933
22	27-Apr	08:44:27	0.028	0.028133
23	27-Apr	08:45:27	0.037	0.028267
24	27-Apr	08:46:27	0.043	0.029667
25	27-Apr	08:47:27	0.053	0.032067
26	27-Apr	08:48:27	0.023	0.030733
27	27-Apr	08:49:27	0.016	0.029533
28	27-Apr	08:50:27	0.033	0.0292
29	27-Apr	08:51:27	0.048	0.031067
30	27-Apr	08:52:27	0.026	0.031933
31	27-Apr	08:53:27	0.028	0.032333
32	27-Apr	08:54:27	0.042	0.034067
33	27-Apr	08:55:27	0.034	0.033533

Point	Date	Time	Avg.(mg/m3)	
34	27-Apr	08:56:27	0.027	0.032333
35	27-Apr	08:57:27	0.048	0.033933
36	27-Apr	08:58:27	0.042	0.0352
37	27-Apr	08:59:27	0.025	0.035
38	27-Apr	09:00:27	0.097	0.039
39	27-Apr	09:01:27	0.071	0.040867
40	27-Apr	09:02:27	0.068	0.041867
41	27-Apr	09:03:27	0.055	0.044
42	27-Apr	09:04:27	0.034	0.0452
43	27-Apr	09:05:27	0.045	0.046
44	27-Apr	09:06:27	0.304	0.063067
45	27-Apr	09:07:27	0.157	0.0718
46	27-Apr	09:08:27	0.299	0.089867
47	27-Apr	09:09:27	0.174	0.098667
48	27-Apr	09:10:27	0.056	0.100133
49	27-Apr	09:11:27	0.171	0.109733
50	27-Apr	09:12:27	0.273	0.124733
51	27-Apr	09:13:27	0.263	0.139467
52	27-Apr	09:14:27	0.183	0.15
53	27-Apr	09:15:27	0.224	0.158467
54	27-Apr	09:16:27	0.137	0.162867
55	27-Apr	09:17:27	0.158	0.168867
56	27-Apr	09:18:27	0.013	0.166067
57	27-Apr	09:19:27	0.31	0.184467
58	27-Apr	09:20:27	0.01	0.182133
59	27-Apr	09:21:27	0.008	0.1624
60	27-Apr	09:22:27	0.012	0.152733
61	27-Apr	09:23:27	0.029	0.134733
62	27-Apr	09:24:27	0.023	0.124667
63	27-Apr	09:25:27	0.026	0.122667
64	27-Apr	09:26:27	0.018	0.112467
65	27-Apr	09:27:27	0.022	0.095733
66	27-Apr	09:28:27	0.019	0.079467
67	27-Apr	09:29:27	0.14	0.0766
68	27-Apr	09:30:27	0.022	0.063133
69	27-Apr	09:31:27	0.011	0.054733
70	27-Apr	09:32:27	0.053	0.047733
71	27-Apr	09:33:27	0.023	0.0484
72	27-Apr	09:34:27	0.043	0.0306
73	27-Apr	09:35:27	0.037	0.0324
74	27-Apr	09:36:27	0.012	0.032667
75	27-Apr	09:37:27	0.004	0.032133
76	27-Apr	09:38:27	0.017	0.031333
77	27-Apr	09:39:27	0.023	0.031333
78	27-Apr	09:40:27	0.077	0.034733
79	27-Apr	09:41:27	0.107	0.040667

Point	Date	Time	Avg.(mg/m3)	
80	27-Apr	09:42:27	0.053	0.042733
81	27-Apr	09:43:27	0.025	0.043133
82	27-Apr	09:44:27	0.011	0.034533
83	27-Apr	09:45:27	0.041	0.0358
84	27-Apr	09:46:27	0.047	0.0382
85	27-Apr	09:47:27	0.018	0.035867
86	27-Apr	09:48:27	0.029	0.036267
87	27-Apr	09:49:27	0.01	0.034067
88	27-Apr	09:50:27	0.009	0.0322
89	27-Apr	09:51:27	0.013	0.032267
90	27-Apr	09:52:27	0.011	0.032733
91	27-Apr	09:53:27	0.016	0.032667
92	27-Apr	09:54:27	0.026	0.032867
93	27-Apr	09:55:27	0.009	0.028333
94	27-Apr	09:56:27	0.02	0.022533
95	27-Apr	09:57:27	0.007	0.019467
96	27-Apr	09:58:27	0.007	0.018267
97	27-Apr	09:59:27	0.015	0.018533
98	27-Apr	10:00:27	0.005	0.016133
99	27-Apr	10:01:27	0.003	0.0132
100	27-Apr	10:02:27	0.003	0.0122
101	27-Apr	10:03:27	0.011	0.011
102	27-Apr	10:04:27	0.009	0.010933
103	27-Apr	10:05:27	0.005	0.010667
104	27-Apr	10:06:27	0.012	0.0106
105	27-Apr	10:07:27	0.025	0.011533
106	27-Apr	10:08:27	2.087	0.1496
107	27-Apr	10:09:27	2.269	0.299133
108	27-Apr	10:10:27	0.495	0.331533
109	27-Apr	10:11:27	0.693	0.3764
110	27-Apr	10:12:27	0.134	0.384867
111	27-Apr	10:13:27	0.017	0.385533
112	27-Apr	10:14:27	0.053	0.388067
113	27-Apr	10:15:27	0.018	0.388933
114	27-Apr	10:16:27	0.018	0.389933
115	27-Apr	10:17:27	0.07	0.3944
116	27-Apr	10:18:27	0.032	0.3958
117	27-Apr	10:19:27	0.006	0.3956
118	27-Apr	10:20:27	0.015	0.396267
119	27-Apr	10:21:27	0.02	0.3968
120	27-Apr	10:22:27	0.039	0.397733
121	27-Apr	10:23:27	0.062	0.262733
122	27-Apr	10:24:27	0.287	0.1306
123	27-Apr	10:25:27	0.869	0.155533
124	27-Apr	10:26:27	0.246	0.125733
125	27-Apr	10:27:27	0.158	0.127333

Point	Date	Time	Avg.(mg/m3)	
126	27-Apr	10:28:27	0.106	0.133267
127	27-Apr	10:29:27	0.079	0.135
128	27-Apr	10:30:27	0.069	0.1384
129	27-Apr	10:31:27	0.027	0.139
130	27-Apr	10:32:27	0.009	0.134933
131	27-Apr	10:33:27	0.062	0.136933
132	27-Apr	10:34:27	0.005	0.136867
133	27-Apr	10:35:27	0.017	0.137
134	27-Apr	10:36:27	0.06	0.139667
135	27-Apr	10:37:27	0.037	0.139533
136	27-Apr	10:38:27	0.011	0.136133
137	27-Apr	10:39:27	0.008	0.117533
138	27-Apr	10:40:27	0.005	0.059933
139	27-Apr	10:41:27	0.025	0.0452
140	27-Apr	10:42:27	0.027	0.036467
141	27-Apr	10:43:27	0.018	0.0306
142	27-Apr	10:44:27	0.007	0.0258
143	27-Apr	10:45:27	0.013	0.022067
144	27-Apr	10:46:27	0.017	0.0214
145	27-Apr	10:47:27	0.009	0.0214
146	27-Apr	10:48:27	0.009	0.017867
147	27-Apr	10:49:27	0.005	0.017867
148	27-Apr	10:50:27	0.006	0.017133
149	27-Apr	10:51:27	0.044	0.016067
150	27-Apr	10:52:27	0.046	0.016667
151	27-Apr	10:53:27	0.23	0.031267
152	27-Apr	10:54:27	0.037	0.0332
153	27-Apr	10:55:27	0.012	0.033667
154	27-Apr	10:56:27	0.017	0.033133
155	27-Apr	10:57:27	0.026	0.033067
156	27-Apr	10:58:27	0.104	0.0388
157	27-Apr	10:59:27	0.054	0.041933
158	27-Apr	11:00:27	0.019	0.042333
159	27-Apr	11:01:27	0.031	0.043267
160	27-Apr	11:02:27	0.023	0.0442
161	27-Apr	11:03:27	0.018	0.0448
162	27-Apr	11:04:27	0.036	0.046867
163	27-Apr	11:05:27	0.008	0.047
164	27-Apr	11:06:27	0.014	0.045
165	27-Apr	11:07:27	0.018	0.043133
166	27-Apr	11:08:27	0.007	0.028267
167	27-Apr	11:09:27	0.04	0.028467
168	27-Apr	11:10:27	0.015	0.028667
169	27-Apr	11:11:27	0.014	0.028467
170	27-Apr	11:12:27	0.007	0.0272
171	27-Apr	11:13:27	0.016	0.021333

Point	Date	Time	Avg.(mg/m3)	
172	27-Apr	11:14:27	0.004	0.018
173	27-Apr	11:15:27	0.017	0.017867
174	27-Apr	11:16:27	0.008	0.016333
175	27-Apr	11:17:27	0.004	0.015067
176	27-Apr	11:18:27	0.008	0.0144
177	27-Apr	11:19:27	0.011	0.012733
178	27-Apr	11:20:27	0.003	0.0124
179	27-Apr	11:21:27	0.01	0.012133
180	27-Apr	11:22:27	0.004	0.0112
181	27-Apr	11:23:27	0.005	0.011067
182	27-Apr	11:24:27	0.006	0.0088
183	27-Apr	11:25:27	0.006	0.0082
184	27-Apr	11:26:27	0.039	0.009867
185	27-Apr	11:27:27	0.025	0.011067
186	27-Apr	11:28:27	0.008	0.010533
187	27-Apr	11:29:27	0.059	0.0142
188	27-Apr	11:30:27	0.031	0.015133
189	27-Apr	11:31:27	0.01	0.015267
190	27-Apr	11:32:27	0.008	0.015533
191	27-Apr	11:33:27	0.007	0.015467
192	27-Apr	11:34:27	0.006	0.015133
193	27-Apr	11:35:27	0.027	0.016733
194	27-Apr	11:36:27	0.01	0.016733
195	27-Apr	11:37:27	0.077	0.0216
196	27-Apr	11:38:27	0.01	0.021933
197	27-Apr	11:39:27	0.008	0.022067
198	27-Apr	11:40:27	0.011	0.0224
199	27-Apr	11:41:27	0.02	0.021133
200	27-Apr	11:42:27	0.02	0.0208
201	27-Apr	11:43:27	0.013	0.021133
202	27-Apr	11:44:27	0.013	0.018067
203	27-Apr	11:45:27	0.009	0.0166
204	27-Apr	11:46:27	0.026	0.017667
205	27-Apr	11:47:27	0.015	0.018133
206	27-Apr	11:48:27	0.023	0.0192
207	27-Apr	11:49:27	0.031	0.020867
208	27-Apr	11:50:27	0.044	0.022
209	27-Apr	11:51:27	0.438	0.050533
210	27-Apr	11:52:27	3.17	0.256733
211	27-Apr	11:53:27	0.553	0.292933
212	27-Apr	11:54:27	0.327	0.3142
213	27-Apr	11:55:27	0.006	0.313867
214	27-Apr	11:56:27	0.08	0.317867
215	27-Apr	11:57:27	0.015	0.317533
216	27-Apr	11:58:27	0.019	0.317933
217	27-Apr	11:59:27	0.018	0.318267

Point	Date	Time	Avg.(mg/m3)	
218	27-Apr	12:00:27	0.021	0.319067
219	27-Apr	12:01:27	0.012	0.318133
220	27-Apr	12:02:27	0.01	0.3178
221	27-Apr	12:03:27	0.015	0.317267
222	27-Apr	12:04:27	0.015	0.3162
223	27-Apr	12:05:27	0.015	0.314267
224	27-Apr	12:06:27	0.012	0.285867
225	27-Apr	12:07:27	0.018	0.075733
226	27-Apr	12:08:27	0.016	0.039933
227	27-Apr	12:09:27	0.008	0.018667
228	27-Apr	12:10:27	0.01	0.018933
229	27-Apr	12:11:27	0.024	0.0152
230	27-Apr	12:12:27	0.015	0.0152
231	27-Apr	12:13:27	0.047	0.017067
232	27-Apr	12:14:27	0.015	0.016867
233	27-Apr	12:15:27	0.013	0.016333
234	27-Apr	12:16:27	0.013	0.0164
235	27-Apr	12:17:27	0.014	0.016667
236	27-Apr	12:18:27	0.014	0.0166
237	27-Apr	12:19:27	0.015	0.0166
238	27-Apr	12:20:27	0.015	0.0166
239	27-Apr	12:21:27	0.012	0.0166
240	27-Apr	12:22:27	0.013	0.016267
241	27-Apr	12:23:27	0.009	0.0158
242	27-Apr	12:24:27	0.015	0.016267
243	27-Apr	12:25:27	0.018	0.0168
244	27-Apr	12:26:27	0.012	0.016
245	27-Apr	12:27:27	0.009	0.0156
246	27-Apr	12:28:27	0.007	0.012933
247	27-Apr	12:29:27	0.013	0.0128
248	27-Apr	12:30:27	0.013	0.0128
249	27-Apr	12:31:27	0.008	0.012467
250	27-Apr	12:32:27	0.009	0.012133
251	27-Apr	12:33:27	0.007	0.011667
252	27-Apr	12:34:27	0.013	0.011533
253	27-Apr	12:35:27	0.008	0.011067
254	27-Apr	12:36:27	0.011	0.011
255	27-Apr	12:37:27	0.016	0.0112
256	27-Apr	12:38:27	0.01	0.011267
257	27-Apr	12:39:27	0.008	0.0108
258	27-Apr	12:40:27	0.011	0.010333
259	27-Apr	12:41:27	0.009	0.010133
260	27-Apr	12:42:27	0.01	0.0102
261	27-Apr	12:43:27	0.015	0.010733
262	27-Apr	12:44:27	0.007	0.010333
263	27-Apr	12:45:27	0.01	0.010133

Point	Date	Time	Avg.(mg/m3)	
264	27-Apr	12:46:27	0.015	0.0106
265	27-Apr	12:47:27	0.008	0.010533
266	27-Apr	12:48:27	0.027	0.011867
267	27-Apr	12:49:27	0.013	0.011867
268	27-Apr	12:50:27	0.011	0.012067
269	27-Apr	12:51:27	0.015	0.012333
270	27-Apr	12:52:27	0.02	0.0126
271	27-Apr	12:53:27	0.009	0.012533
272	27-Apr	12:54:27	0.01	0.012667
273	27-Apr	12:55:27	0.014	0.012867
274	27-Apr	12:56:27	0.016	0.013333
275	27-Apr	12:57:27	0.023	0.0142
276	27-Apr	12:58:27	0.012	0.014
277	27-Apr	12:59:27	0.022	0.015
278	27-Apr	13:00:27	0.013	0.0152
279	27-Apr	13:01:27	0.006	0.0146
280	27-Apr	13:02:27	0.004	0.014333
281	27-Apr	13:03:27	0.014	0.013467
282	27-Apr	13:04:27	0.014	0.013533
283	27-Apr	13:05:27	0.012	0.0136
284	27-Apr	13:06:27	0.006	0.013
285	27-Apr	13:07:27	0.01	0.012333
286	27-Apr	13:08:27	0.008	0.012267
287	27-Apr	13:09:27	0.01	0.012267
288	27-Apr	13:10:27	0.006	0.011733
289	27-Apr	13:11:27	0.009	0.011267
290	27-Apr	13:12:27	0.009	0.010333
291	27-Apr	13:13:27	0.004	0.0098
292	27-Apr	13:14:27	0.002	0.008467
293	27-Apr	13:15:27	0.007	0.008067
294	27-Apr	13:16:27	0.003	0.007867
295	27-Apr	13:17:27	0.004	0.007867
296	27-Apr	13:18:27	0.004	0.0072
297	27-Apr	13:19:27	0.017	0.0074
298	27-Apr	13:20:27	0.015	0.0076
299	27-Apr	13:21:27	0.004	0.007467
300	27-Apr	13:22:27	0.008	0.007333
301	27-Apr	13:23:27	0.004	0.007067
302	27-Apr	13:24:27	0.005	0.006733
303	27-Apr	13:25:27	0.005	0.006667
304	27-Apr	13:26:27	0.017	0.0072
305	27-Apr	13:27:27	0.003	0.0068
306	27-Apr	13:28:27	0.041	0.009267
307	27-Apr	13:29:27	0.025	0.0108
308	27-Apr	13:30:27	0.016	0.0114
309	27-Apr	13:31:27	0.024	0.0128

Point	Date	Time	Avg.(mg/m3)	
310	27-Apr	13:32:27	0.02	0.013867
311	27-Apr	13:33:27	0.029	0.015533
312	27-Apr	13:34:27	0.034	0.016667
313	27-Apr	13:35:27	0.016	0.016733
314	27-Apr	13:36:27	0.024	0.018067
315	27-Apr	13:37:27	0.055	0.0212
316	27-Apr	13:38:27	0.011	0.021667
317	27-Apr	13:39:27	0.039	0.023933
318	27-Apr	13:40:27	0.024	0.0252
319	27-Apr	13:41:27	0.022	0.025533
320	27-Apr	13:42:27	0.026	0.027067
321	27-Apr	13:43:27	0.018	0.025533
322	27-Apr	13:44:27	0.017	0.025
323	27-Apr	13:45:27	0.012	0.024733
324	27-Apr	13:46:27	0.032	0.025267

pDR
Tag Number: 04
Number of logged points: 381
Start time and date: 07:33:59 04-May
Elapsed time: 06:21:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 2.189 mg/m3
Time at maximum: 11:26:51 May 04
Max STEL Concentration: 0.428 mg/m3
Time at max STEL: 12:40:30 May 04
Overall Avg Conc: 0.035 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)	
1	4-May	07:34:59	0.012	
2	4-May	07:35:59	0.005	
3	4-May	07:36:59	0.009	
4	4-May	07:37:59	0.007	
5	4-May	07:38:59	0.017	
6	4-May	07:39:59	0.009	
7	4-May	07:40:59	0.012	
8	4-May	07:41:59	0.008	
9	4-May	07:42:59	0.014	
10	4-May	07:43:59	0.014	
11	4-May	07:44:59	0.017	
12	4-May	07:45:59	0.008	
13	4-May	07:46:59	0.016	
14	4-May	07:47:59	0.026	
15	4-May	07:48:59	0.012	0.0124
16	4-May	07:49:59	0.029	0.013533
17	4-May	07:50:59	0.007	0.013667
18	4-May	07:51:59	0.011	0.0138
19	4-May	07:52:59	0.019	0.0146
20	4-May	07:53:59	0.023	0.015
21	4-May	07:54:59	0.011	0.015133
22	4-May	07:55:59	0.011	0.015067
23	4-May	07:56:59	0.017	0.015667
24	4-May	07:57:59	0.022	0.0162
25	4-May	07:58:59	0.013	0.016133
26	4-May	07:59:59	0.008	0.015533
27	4-May	08:00:59	0.018	0.0162
28	4-May	08:01:59	0.01	0.0158
29	4-May	08:02:59	0.019	0.015333
30	4-May	08:03:59	0.015	0.015533
31	4-May	08:04:59	0.004	0.013867
32	4-May	08:05:59	0.014	0.014333
33	4-May	08:06:59	0.019	0.014867

Point	Date	Time	Avg.(mg/m3)	
34	4-May	08:07:59	0.014	0.014533
35	4-May	08:08:59	0.017	0.014133
36	4-May	08:09:59	0.016	0.014467
37	4-May	08:10:59	0.01	0.0144
38	4-May	08:11:59	0.019	0.014533
39	4-May	08:12:59	0.021	0.014467
40	4-May	08:13:59	0.025	0.015267
41	4-May	08:14:59	0.06	0.018733
42	4-May	08:15:59	0.028	0.0194
43	4-May	08:16:59	0.057	0.022533
44	4-May	08:17:59	0.042	0.024067
45	4-May	08:18:59	0.039	0.025667
46	4-May	08:19:59	0.058	0.029267
47	4-May	08:20:59	0.047	0.031467
48	4-May	08:21:59	0.068	0.034733
49	4-May	08:22:59	0.056	0.037533
50	4-May	08:23:59	0.059	0.040333
51	4-May	08:24:59	0.036	0.041667
52	4-May	08:25:59	0.033	0.0432
53	4-May	08:26:59	0.073	0.0468
54	4-May	08:27:59	0.042	0.0482
55	4-May	08:28:59	0.046	0.0496
56	4-May	08:29:59	0.029	0.047533
57	4-May	08:30:59	0.047	0.0488
58	4-May	08:31:59	0.035	0.047333
59	4-May	08:32:59	0.021	0.045933
60	4-May	08:33:59	0.012	0.044133
61	4-May	08:34:59	0.027	0.042067
62	4-May	08:35:59	0.047	0.042067
63	4-May	08:36:59	0.083	0.043067
64	4-May	08:37:59	0.491	0.072067
65	4-May	08:38:59	0.03	0.070133
66	4-May	08:39:59	0.004	0.068
67	4-May	08:40:59	0.005	0.066133
68	4-May	08:41:59	0.001	0.061333
69	4-May	08:42:59	0.007	0.059
70	4-May	08:43:59	0.01	0.0566
71	4-May	08:44:59	0.01	0.055333
72	4-May	08:45:59	0.03	0.0542
73	4-May	08:46:59	0.073	0.056733
74	4-May	08:47:59	0.113	0.062867
75	4-May	08:48:59	0.081	0.067467
76	4-May	08:49:59	0.03	0.067667
77	4-May	08:50:59	0.034	0.0668
78	4-May	08:51:59	0.041	0.064
79	4-May	08:52:59	0.01	0.031933

Point	Date	Time	Avg.(mg/m3)	
80	4-May	08:53:59	0.021	0.031333
81	4-May	08:54:59	0.002	0.0312
82	4-May	08:55:59	0	0.030867
83	4-May	08:56:59	0	0.0308
84	4-May	08:57:59	0	0.030333
85	4-May	08:58:59	0.075	0.034667
86	4-May	08:59:59	0.239	0.049933
87	4-May	09:00:59	0.161	0.058667
88	4-May	09:01:59	0.049	0.057067
89	4-May	09:02:59	0.04	0.0522
90	4-May	09:03:59	0.041	0.049533
91	4-May	09:04:59	0.003	0.047733
92	4-May	09:05:59	0.004	0.045733
93	4-May	09:06:59	0	0.043
94	4-May	09:07:59	0.008	0.042867
95	4-May	09:08:59	0.002	0.0416
96	4-May	09:09:59	0.006	0.041867
97	4-May	09:10:59	0.003	0.042067
98	4-May	09:11:59	0.049	0.045333
99	4-May	09:12:59	0.161	0.056067
100	4-May	09:13:59	0.103	0.057933
101	4-May	09:14:59	0	0.042
102	4-May	09:15:59	0.003	0.031467
103	4-May	09:16:59	0	0.0282
104	4-May	09:17:59	0	0.025533
105	4-May	09:18:59	0.042	0.0256
106	4-May	09:19:59	0.029	0.027333
107	4-May	09:20:59	0.044	0.03
108	4-May	09:21:59	0.006	0.0304
109	4-May	09:22:59	0.008	0.0304
110	4-May	09:23:59	0.001	0.030333
111	4-May	09:24:59	0	0.029933
112	4-May	09:25:59	0.002	0.029867
113	4-May	09:26:59	0.002	0.026733
114	4-May	09:27:59	0.001	0.016067
115	4-May	09:28:59	0.181	0.021267
116	4-May	09:29:59	0.064	0.025533
117	4-May	09:30:59	0	0.025333
118	4-May	09:31:59	0	0.025333
119	4-May	09:32:59	0.007	0.0258
120	4-May	09:33:59	0	0.023
121	4-May	09:34:59	0	0.021067
122	4-May	09:35:59	0	0.018133
123	4-May	09:36:59	0.006	0.018133
124	4-May	09:37:59	0.004	0.017867
125	4-May	09:38:59	0	0.0178

Point	Date	Time	Avg.(mg/m3)	
126	4-May	09:39:59	0.027	0.0196
127	4-May	09:40:59	0	0.019467
128	4-May	09:41:59	0	0.019333
129	4-May	09:42:59	0	0.019267
130	4-May	09:43:59	0	0.0072
131	4-May	09:44:59	0	0.002933
132	4-May	09:45:59	0	0.002933
133	4-May	09:46:59	0	0.002933
134	4-May	09:47:59	0	0.002467
135	4-May	09:48:59	0	0.002467
136	4-May	09:49:59	0	0.002467
137	4-May	09:50:59	0	0.002467
138	4-May	09:51:59	0	0.002067
139	4-May	09:52:59	0	0.0018
140	4-May	09:53:59	0	0.0018
141	4-May	09:54:59	0	0
142	4-May	09:55:59	0	0
143	4-May	09:56:59	0	0
144	4-May	09:57:59	0	0
145	4-May	09:58:59	0	0
146	4-May	09:59:59	0	0
147	4-May	10:00:59	0	0
148	4-May	10:01:59	0	0
149	4-May	10:02:59	0	0
150	4-May	10:03:59	0	0
151	4-May	10:04:59	0	0
152	4-May	10:05:59	0	0
153	4-May	10:06:59	0	0
154	4-May	10:07:59	0	0
155	4-May	10:08:59	0	0
156	4-May	10:09:59	0	0
157	4-May	10:10:59	0	0
158	4-May	10:11:59	0	0
159	4-May	10:12:59	0	0
160	4-May	10:13:59	0	0
161	4-May	10:14:59	0	0
162	4-May	10:15:59	0	0
163	4-May	10:16:59	0	0
164	4-May	10:17:59	0	0
165	4-May	10:18:59	0	0
166	4-May	10:19:59	0	0
167	4-May	10:20:59	0	0
168	4-May	10:21:59	0	0
169	4-May	10:22:59	0	0
170	4-May	10:23:59	0	0
171	4-May	10:24:59	0	0

Point	Date	Time	Avg.(mg/m3)	
172	4-May	10:25:59	0	0
173	4-May	10:26:59	0	0
174	4-May	10:27:59	0	0
175	4-May	10:28:59	0	0
176	4-May	10:29:59	0	0
177	4-May	10:30:59	0	0
178	4-May	10:31:59	0	0
179	4-May	10:32:59	0	0
180	4-May	10:33:59	0	0
181	4-May	10:34:59	0	0
182	4-May	10:35:59	0	0
183	4-May	10:36:59	0	0
184	4-May	10:37:59	0	0
185	4-May	10:38:59	0	0
186	4-May	10:39:59	0	0
187	4-May	10:40:59	0.196	0.013067
188	4-May	10:41:59	0.003	0.013267
189	4-May	10:42:59	0	0.013267
190	4-May	10:43:59	0	0.013267
191	4-May	10:44:59	0	0.013267
192	4-May	10:45:59	0	0.013267
193	4-May	10:46:59	0.005	0.0136
194	4-May	10:47:59	0.003	0.0138
195	4-May	10:48:59	0.008	0.014333
196	4-May	10:49:59	0.003	0.014533
197	4-May	10:50:59	0.001	0.0146
198	4-May	10:51:59	0.006	0.015
199	4-May	10:52:59	0.001	0.015067
200	4-May	10:53:59	0.007	0.015533
201	4-May	10:54:59	0	0.015533
202	4-May	10:55:59	0.002	0.0026
203	4-May	10:56:59	0.023	0.003933
204	4-May	10:57:59	0.004	0.0042
205	4-May	10:58:59	0	0.0042
206	4-May	10:59:59	0.002	0.004333
207	4-May	11:00:59	0	0.004333
208	4-May	11:01:59	0.002	0.004133
209	4-May	11:02:59	0.011	0.004667
210	4-May	11:03:59	0.003	0.004333
211	4-May	11:04:59	0	0.004133
212	4-May	11:05:59	0	0.004067
213	4-May	11:06:59	0.011	0.0044
214	4-May	11:07:59	0.085	0.01
215	4-May	11:08:59	0.01	0.0102
216	4-May	11:09:59	0.023	0.011733
217	4-May	11:10:59	0.048	0.0148

Point	Date	Time	Avg.(mg/m3)	
218	4-May	11:11:59	0.039	0.015867
219	4-May	11:12:59	0	0.0156
220	4-May	11:13:59	0	0.0156
221	4-May	11:14:59	0	0.015467
222	4-May	11:15:59	0	0.015467
223	4-May	11:16:59	0	0.015333
224	4-May	11:17:59	0	0.0146
225	4-May	11:18:59	0	0.0144
226	4-May	11:19:59	0	0.0144
227	4-May	11:20:59	0	0.0144
228	4-May	11:21:59	0.055	0.017333
229	4-May	11:22:59	0.156	0.022067
230	4-May	11:23:59	0.813	0.0756
231	4-May	11:24:59	0.672	0.118867
232	4-May	11:25:59	0.796	0.168733
233	4-May	11:26:59	1.166	0.243867
234	4-May	11:27:59	0.793	0.296733
235	4-May	11:28:59	0.455	0.327067
236	4-May	11:29:59	0.449	0.357
237	4-May	11:30:59	0.17	0.368333
238	4-May	11:31:59	0.173	0.379867
239	4-May	11:32:59	0.196	0.392933
240	4-May	11:33:59	0.154	0.4032
241	4-May	11:34:59	0.049	0.406467
242	4-May	11:35:59	0.013	0.407333
243	4-May	11:36:59	0.011	0.4044
244	4-May	11:37:59	0.051	0.3974
245	4-May	11:38:59	0.008	0.343733
246	4-May	11:39:59	0.013	0.2998
247	4-May	11:40:59	0.008	0.247267
248	4-May	11:41:59	0.001	0.1696
249	4-May	11:42:59	0	0.116733
250	4-May	11:43:59	0.025	0.088067
251	4-May	11:44:59	0.003	0.058333
252	4-May	11:45:59	0.004	0.047267
253	4-May	11:46:59	0	0.035733
254	4-May	11:47:59	0	0.022667
255	4-May	11:48:59	0	0.0124
256	4-May	11:49:59	0	0.009133
257	4-May	11:50:59	0	0.008267
258	4-May	11:51:59	0	0.007533
259	4-May	11:52:59	0	0.004133
260	4-May	11:53:59	0	0.0036
261	4-May	11:54:59	0	0.002733
262	4-May	11:55:59	0	0.0022
263	4-May	11:56:59	0.069	0.006733

Point	Date	Time	Avg.(mg/m3)	
264	4-May	11:57:59	0	0.006733
265	4-May	11:58:59	0	0.005067
266	4-May	11:59:59	0.019	0.006133
267	4-May	12:00:59	0.01	0.006533
268	4-May	12:01:59	0.004	0.0068
269	4-May	12:02:59	0	0.0068
270	4-May	12:03:59	0	0.0068
271	4-May	12:04:59	0.025	0.008467
272	4-May	12:05:59	0.004	0.008733
273	4-May	12:06:59	0	0.008733
274	4-May	12:07:59	0	0.008733
275	4-May	12:08:59	0	0.008733
276	4-May	12:09:59	0	0.008733
277	4-May	12:10:59	0	0.008733
278	4-May	12:11:59	0.059	0.008067
279	4-May	12:12:59	0.005	0.0084
280	4-May	12:13:59	0	0.0084
281	4-May	12:14:59	0.018	0.008333
282	4-May	12:15:59	0.084	0.013267
283	4-May	12:16:59	0.104	0.019933
284	4-May	12:17:59	0.213	0.034133
285	4-May	12:18:59	0.201	0.047533
286	4-May	12:19:59	0.04	0.048533
287	4-May	12:20:59	0.109	0.055533
288	4-May	12:21:59	0.209	0.069467
289	4-May	12:22:59	0.046	0.072533
290	4-May	12:23:59	0.004	0.0728
291	4-May	12:24:59	0.002	0.072933
292	4-May	12:25:59	0.049	0.0762
293	4-May	12:26:59	0.053	0.0758
294	4-May	12:27:59	0.224	0.0904
295	4-May	12:28:59	1.232	0.172533
296	4-May	12:29:59	0.91	0.232
297	4-May	12:30:59	0.244	0.242667
298	4-May	12:31:59	0.162	0.246533
299	4-May	12:32:59	0.203	0.245867
300	4-May	12:33:59	0.298	0.252333
301	4-May	12:34:59	0.373	0.274533
302	4-May	12:35:59	0.145	0.276933
303	4-May	12:36:59	0.545	0.299333
304	4-May	12:37:59	0.973	0.361133
305	4-May	12:38:59	0.37	0.385533
306	4-May	12:39:59	0.561	0.4228
307	4-May	12:40:59	0.085	0.4252
308	4-May	12:41:59	0	0.421667
309	4-May	12:42:59	0	0.406733

Point	Date	Time	Avg.(mg/m3)	
310	4-May	12:43:59	0.001	0.324667
311	4-May	12:44:59	0.002	0.264133
312	4-May	12:45:59	0.001	0.247933
313	4-May	12:46:59	0.023	0.238667
314	4-May	12:47:59	0.127	0.2336
315	4-May	12:48:59	0.217	0.2282
316	4-May	12:49:59	0.293	0.222867
317	4-May	12:50:59	0.131	0.221933
318	4-May	12:51:59	0.159	0.1962
319	4-May	12:52:59	0.108	0.138533
320	4-May	12:53:59	0.17	0.1252
321	4-May	12:54:59	0.178	0.099667
322	4-May	12:55:59	0	0.094
323	4-May	12:56:59	0	0.094
324	4-May	12:57:59	0.05	0.097333
325	4-May	12:58:59	0.039	0.099867
326	4-May	12:59:59	0.026	0.101467
327	4-May	13:00:59	0	0.1014
328	4-May	13:01:59	0.007	0.100333
329	4-May	13:02:59	0.01	0.092533
330	4-May	13:03:59	0.002	0.0782
331	4-May	13:04:59	0.044	0.0616
332	4-May	13:05:59	0.001	0.052933
333	4-May	13:06:59	0.002	0.042467
334	4-May	13:07:59	0.001	0.035333
335	4-May	13:08:59	0	0.024
336	4-May	13:09:59	0	0.012133
337	4-May	13:10:59	0	0.012133
338	4-May	13:11:59	0.003	0.012333
339	4-May	13:12:59	0.001	0.009067
340	4-May	13:13:59	0.002	0.0066
341	4-May	13:14:59	0	0.004867
342	4-May	13:15:59	0.007	0.005333
343	4-May	13:16:59	0.068	0.0094
344	4-May	13:17:59	0	0.008733
345	4-May	13:18:59	0.006	0.009
346	4-May	13:19:59	0	0.006067
347	4-May	13:20:59	0	0.006
348	4-May	13:21:59	0.001	0.005933
349	4-May	13:22:59	0.001	0.005933
350	4-May	13:23:59	0	0.005933
351	4-May	13:24:59	0	0.005933
352	4-May	13:25:59	0.001	0.006
353	4-May	13:26:59	0	0.0058
354	4-May	13:27:59	0	0.005733
355	4-May	13:28:59	0	0.0056

Point	Date	Time	Avg.(mg/m3)	
356	4-May	13:29:59	0.003	0.0058
357	4-May	13:30:59	0	0.005333
358	4-May	13:31:59	0	0.0008
359	4-May	13:32:59	0	0.0008
360	4-May	13:33:59	0.001	0.000467
361	4-May	13:34:59	0	0.000467
362	4-May	13:35:59	0	0.000467
363	4-May	13:36:59	0	0.0004
364	4-May	13:37:59	0.001	0.0004
365	4-May	13:38:59	0	0.0004
366	4-May	13:39:59	0	0.0004
367	4-May	13:40:59	0	0.000333
368	4-May	13:41:59	0	0.000333
369	4-May	13:42:59	0	0.000333
370	4-May	13:43:59	0	0.000333
371	4-May	13:44:59	0	0.000133
372	4-May	13:45:59	0.001	0.0002
373	4-May	13:46:59	0	0.0002
374	4-May	13:47:59	0	0.0002
375	4-May	13:48:59	0	0.000133
376	4-May	13:49:59	0	0.000133
377	4-May	13:50:59	0	0.000133
378	4-May	13:51:59	0	0.000133
379	4-May	13:52:59	0	6.67E-05
380	4-May	13:53:59	0.001	0.000133
381	4-May	13:54:59	0	0.000133
				0.4252

pDR
Tag Number: 05
Number of logged points: 435
Start time and date: 07:40:33 05-May
Elapsed time: 07:15:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 13.924 mg/m3
Time at maximum: 07:58:48 May 05
Max STEL Concentration: 0.956 mg/m3
Time at max STEL: 08:08:03 May 05
Overall Avg Conc: 0.045 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)	
1	5-May	07:41:33	0.007	
2	5-May	07:42:33	0.016	
3	5-May	07:43:33	0.009	
4	5-May	07:44:33	0.733	
5	5-May	07:45:33	0.117	
6	5-May	07:46:33	0.104	
7	5-May	07:47:33	0.023	
8	5-May	07:48:33	0.877	
9	5-May	07:49:33	0.035	
10	5-May	07:50:33	0.028	
11	5-May	07:51:33	0.027	
12	5-May	07:52:33	0.054	
13	5-May	07:53:33	0.019	
14	5-May	07:54:33	3.009	
15	5-May	07:55:33	0.539	0.373133
16	5-May	07:56:33	0.024	0.374267
17	5-May	07:57:33	0.136	0.382267
18	5-May	07:58:33	0.269	0.3996
19	5-May	07:59:33	7.49	0.850067
20	5-May	08:00:33	0.003	0.842467
21	5-May	08:01:33	0.009	0.836133
22	5-May	08:02:33	0.006	0.835
23	5-May	08:03:33	0.004	0.7768
24	5-May	08:04:33	0.11	0.7818
25	5-May	08:05:33	2.081	0.918667
26	5-May	08:06:33	0.158	0.9274
27	5-May	08:07:33	0.491	0.956533
28	5-May	08:08:33	0.032	0.9574
29	5-May	08:09:33	0.01	0.757467
30	5-May	08:10:33	0.091	0.7276
31	5-May	08:11:33	0.299	0.745933
32	5-May	08:12:33	0.001	0.736933
33	5-May	08:13:33	0.008	0.719533

Point	Date	Time	Avg.(mg/m3)	
34	5-May	08:14:33	0.005	0.220533
35	5-May	08:15:33	0	0.220333
36	5-May	08:16:33	0.001	0.2198
37	5-May	08:17:33	0	0.2194
38	5-May	08:18:33	0	0.219133
39	5-May	08:19:33	0	0.2118
40	5-May	08:20:33	0	0.073067
41	5-May	08:21:33	0	0.062533
42	5-May	08:22:33	0	0.0298
43	5-May	08:23:33	0.001	0.027733
44	5-May	08:24:33	0.005	0.0274
45	5-May	08:25:33	0.008	0.021867
46	5-May	08:26:33	0.004	0.0022
47	5-May	08:27:33	0.001	0.0022
48	5-May	08:28:33	0.022	0.003133
49	5-May	08:29:33	0.211	0.016867
50	5-May	08:30:33	0	0.016867
51	5-May	08:31:33	0	0.0168
52	5-May	08:32:33	0.004	0.017067
53	5-May	08:33:33	0	0.017067
54	5-May	08:34:33	0	0.017067
55	5-May	08:35:33	0	0.017067
56	5-May	08:36:33	0	0.017067
57	5-May	08:37:33	0	0.017067
58	5-May	08:38:33	0	0.017
59	5-May	08:39:33	0	0.016667
60	5-May	08:40:33	0	0.016133
61	5-May	08:41:33	0	0.015867
62	5-May	08:42:33	0	0.0158
63	5-May	08:43:33	0	0.014333
64	5-May	08:44:33	0	0.000267
65	5-May	08:45:33	0	0.000267
66	5-May	08:46:33	0	0.000267
67	5-May	08:47:33	0	0
68	5-May	08:48:33	0	0
69	5-May	08:49:33	0	0
70	5-May	08:50:33	0	0
71	5-May	08:51:33	0	0
72	5-May	08:52:33	0	0
73	5-May	08:53:33	0	0
74	5-May	08:54:33	0	0
75	5-May	08:55:33	0	0
76	5-May	08:56:33	0	0
77	5-May	08:57:33	0	0
78	5-May	08:58:33	0	0
79	5-May	08:59:33	0.004	0.000267

Point	Date	Time	Avg.(mg/m3)	
80	5-May	09:00:33	0	0.000267
81	5-May	09:01:33	0	0.000267
82	5-May	09:02:33	0	0.000267
83	5-May	09:03:33	0	0.000267
84	5-May	09:04:33	0	0.000267
85	5-May	09:05:33	0	0.000267
86	5-May	09:06:33	0	0.000267
87	5-May	09:07:33	0	0.000267
88	5-May	09:08:33	0	0.000267
89	5-May	09:09:33	0	0.000267
90	5-May	09:10:33	0.001	0.000333
91	5-May	09:11:33	0.007	0.0008
92	5-May	09:12:33	0.017	0.001933
93	5-May	09:13:33	0.007	0.0024
94	5-May	09:14:33	0.003	0.002333
95	5-May	09:15:33	0.006	0.002733
96	5-May	09:16:33	0.031	0.0048
97	5-May	09:17:33	0.012	0.0056
98	5-May	09:18:33	0.005	0.005933
99	5-May	09:19:33	0.027	0.007733
100	5-May	09:20:33	0.019	0.009
101	5-May	09:21:33	0.004	0.009267
102	5-May	09:22:33	0.003	0.009467
103	5-May	09:23:33	0	0.009467
104	5-May	09:24:33	0	0.009467
105	5-May	09:25:33	0.003	0.0096
106	5-May	09:26:33	0.084	0.014733
107	5-May	09:27:33	0.044	0.016533
108	5-May	09:28:33	0.027	0.017867
109	5-May	09:29:33	0.016	0.018733
110	5-May	09:30:33	0.012	0.019133
111	5-May	09:31:33	0.002	0.0172
112	5-May	09:32:33	0.008	0.016933
113	5-May	09:33:33	0.008	0.017133
114	5-May	09:34:33	0.023	0.016867
115	5-May	09:35:33	0.075	0.0206
116	5-May	09:36:33	0.043	0.0232
117	5-May	09:37:33	0.012	0.0238
118	5-May	09:38:33	0.008	0.024333
119	5-May	09:39:33	0.002	0.024467
120	5-May	09:40:33	0.001	0.024333
121	5-May	09:41:33	0.002	0.018867
122	5-May	09:42:33	0	0.015933
123	5-May	09:43:33	0.004	0.0144
124	5-May	09:44:33	0.015	0.014333
125	5-May	09:45:33	0.004	0.0138

Point	Date	Time	Avg.(mg/m3)	
126	5-May	09:46:33	0	0.013667
127	5-May	09:47:33	0.024	0.014733
128	5-May	09:48:33	0.008	0.014733
129	5-May	09:49:33	0.014	0.014133
130	5-May	09:50:33	0.008	0.009667
131	5-May	09:51:33	0.019	0.008067
132	5-May	09:52:33	0.022	0.008733
133	5-May	09:53:33	0.012	0.009
134	5-May	09:54:33	0.103	0.015733
135	5-May	09:55:33	0.176	0.0274
136	5-May	09:56:33	0.029	0.0292
137	5-May	09:57:33	0.015	0.0302
138	5-May	09:58:33	0.005	0.030267
139	5-May	09:59:33	0.019	0.030533
140	5-May	10:00:33	0.022	0.031733
141	5-May	10:01:33	0.106	0.0388
142	5-May	10:02:33	0.028	0.039067
143	5-May	10:03:33	0.047	0.041667
144	5-May	10:04:33	0.037	0.0432
145	5-May	10:05:33	0.076	0.047733
146	5-May	10:06:33	0.052	0.049933
147	5-May	10:07:33	0.077	0.0536
148	5-May	10:08:33	0.039	0.0554
149	5-May	10:09:33	0.001	0.0486
150	5-May	10:10:33	0	0.036867
151	5-May	10:11:33	0	0.034933
152	5-May	10:12:33	0	0.033933
153	5-May	10:13:33	0.006	0.034
154	5-May	10:14:33	0.024	0.034333
155	5-May	10:15:33	0.011	0.0336
156	5-May	10:16:33	0	0.026533
157	5-May	10:17:33	0	0.024667
158	5-May	10:18:33	0.004	0.0218
159	5-May	10:19:33	0.011	0.020067
160	5-May	10:20:33	0.003	0.0152
161	5-May	10:21:33	0.006	0.012133
162	5-May	10:22:33	0.002	0.007133
163	5-May	10:23:33	0.002	0.004667
164	5-May	10:24:33	0.005	0.004933
165	5-May	10:25:33	0.003	0.005133
166	5-May	10:26:33	0	0.005133
167	5-May	10:27:33	0	0.005133
168	5-May	10:28:33	0	0.004733
169	5-May	10:29:33	0	0.003133
170	5-May	10:30:33	0.004	0.002667
171	5-May	10:31:33	0.022	0.004133

Point	Date	Time	Avg.(mg/m3)	
172	5-May	10:32:33	0.007	0.0046
173	5-May	10:33:33	0.01	0.005
174	5-May	10:34:33	0	0.004267
175	5-May	10:35:33	0	0.004067
176	5-May	10:36:33	0.018	0.004867
177	5-May	10:37:33	0.082	0.0102
178	5-May	10:38:33	0.065	0.0144
179	5-May	10:39:33	0.01	0.014733
180	5-May	10:40:33	0.003	0.014733
181	5-May	10:41:33	0.003	0.014933
182	5-May	10:42:33	0.001	0.015
183	5-May	10:43:33	0.001	0.015067
184	5-May	10:44:33	0.004	0.015333
185	5-May	10:45:33	0.076	0.020133
186	5-May	10:46:33	0.036	0.021067
187	5-May	10:47:33	0.012	0.0214
188	5-May	10:48:33	0.008	0.021267
189	5-May	10:49:33	0.004	0.021533
190	5-May	10:50:33	0.004	0.0218
191	5-May	10:51:33	0.01	0.021267
192	5-May	10:52:33	0.001	0.015867
193	5-May	10:53:33	0	0.011533
194	5-May	10:54:33	0.003	0.011067
195	5-May	10:55:33	0.006	0.011267
196	5-May	10:56:33	0.009	0.011667
197	5-May	10:57:33	0.013	0.012467
198	5-May	10:58:33	0.006	0.0128
199	5-May	10:59:33	0.002	0.012667
200	5-May	11:00:33	0	0.0076
201	5-May	11:01:33	0.003	0.0054
202	5-May	11:02:33	0	0.0046
203	5-May	11:03:33	0	0.004067
204	5-May	11:04:33	0	0.0038
205	5-May	11:05:33	0.003	0.003733
206	5-May	11:06:33	0.002	0.0032
207	5-May	11:07:33	0	0.003133
208	5-May	11:08:33	0	0.003133
209	5-May	11:09:33	0	0.002933
210	5-May	11:10:33	0.012	0.003333
211	5-May	11:11:33	0.115	0.0104
212	5-May	11:12:33	0.016	0.0106
213	5-May	11:13:33	0.248	0.026733
214	5-May	11:14:33	0.3	0.0466
215	5-May	11:15:33	0.178	0.058467
216	5-May	11:16:33	0.091	0.064333
217	5-May	11:17:33	0.031	0.0664

Point	Date	Time	Avg.(mg/m3)	
218	5-May	11:18:33	0.003	0.0666
219	5-May	11:19:33	0	0.0666
220	5-May	11:20:33	0	0.0664
221	5-May	11:21:33	0	0.066267
222	5-May	11:22:33	0.014	0.0672
223	5-May	11:23:33	0.001	0.067267
224	5-May	11:24:33	0.002	0.0674
225	5-May	11:25:33	0.019	0.067867
226	5-May	11:26:33	0.001	0.060267
227	5-May	11:27:33	0.011	0.059933
228	5-May	11:28:33	0.036	0.0458
229	5-May	11:29:33	0.008	0.026333
230	5-May	11:30:33	0	0.014467
231	5-May	11:31:33	0	0.0084
232	5-May	11:32:33	0.001	0.0064
233	5-May	11:33:33	0.013	0.007067
234	5-May	11:34:33	0.022	0.008533
235	5-May	11:35:33	0.014	0.009467
236	5-May	11:36:33	0.037	0.011933
237	5-May	11:37:33	0.071	0.015733
238	5-May	11:38:33	0.023	0.0172
239	5-May	11:39:33	0.001	0.017133
240	5-May	11:40:33	0	0.015867
241	5-May	11:41:33	0.009	0.0164
242	5-May	11:42:33	0	0.015667
243	5-May	11:43:33	0.001	0.013333
244	5-May	11:44:33	0	0.0128
245	5-May	11:45:33	0	0.0128
246	5-May	11:46:33	0	0.0128
247	5-May	11:47:33	0	0.012733
248	5-May	11:48:33	0	0.011867
249	5-May	11:49:33	0	0.0104
250	5-May	11:50:33	0	0.009467
251	5-May	11:51:33	0	0.007
252	5-May	11:52:33	0	0.002267
253	5-May	11:53:33	0	0.000733
254	5-May	11:54:33	0	0.000667
255	5-May	11:55:33	0	0.000667
256	5-May	11:56:33	0	6.67E-05
257	5-May	11:57:33	0	6.67E-05
258	5-May	11:58:33	0	0
259	5-May	11:59:33	0	0
260	5-May	12:00:33	0	0
261	5-May	12:01:33	0	0
262	5-May	12:02:33	0	0
263	5-May	12:03:33	0	0

Point	Date	Time	Avg.(mg/m3)	
264	5-May	12:04:33	0	0
265	5-May	12:05:33	0	0
266	5-May	12:06:33	0.022	0.001467
267	5-May	12:07:33	0.012	0.002267
268	5-May	12:08:33	0.057	0.006067
269	5-May	12:09:33	0.041	0.0088
270	5-May	12:10:33	0.021	0.0102
271	5-May	12:11:33	0.011	0.010933
272	5-May	12:12:33	0.009	0.011533
273	5-May	12:13:33	0.006	0.011933
274	5-May	12:14:33	0.018	0.013133
275	5-May	12:15:33	0.005	0.013467
276	5-May	12:16:33	0.005	0.0138
277	5-May	12:17:33	0	0.0138
278	5-May	12:18:33	0.006	0.0142
279	5-May	12:19:33	0.004	0.014467
280	5-May	12:20:33	0.001	0.014533
281	5-May	12:21:33	0.014	0.014
282	5-May	12:22:33	0.014	0.014133
283	5-May	12:23:33	0.004	0.0106
284	5-May	12:24:33	0.028	0.009733
285	5-May	12:25:33	0.046	0.0114
286	5-May	12:26:33	0.064	0.014933
287	5-May	12:27:33	0.013	0.0152
288	5-May	12:28:33	0.027	0.0166
289	5-May	12:29:33	0.052	0.018867
290	5-May	12:30:33	0.027	0.020333
291	5-May	12:31:33	0.044	0.022933
292	5-May	12:32:33	0.042	0.025733
293	5-May	12:33:33	0.082	0.0308
294	5-May	12:34:33	0.074	0.035467
295	5-May	12:35:33	0.064	0.039667
296	5-May	12:36:33	0.039	0.041333
297	5-May	12:37:33	0.015	0.0414
298	5-May	12:38:33	0.016	0.0422
299	5-May	12:39:33	0.03	0.042333
300	5-May	12:40:33	0.079	0.044533
301	5-May	12:41:33	0.819	0.094867
302	5-May	12:42:33	0.422	0.122133
303	5-May	12:43:33	0.159	0.130933
304	5-May	12:44:33	0.097	0.133933
305	5-May	12:45:33	0.025	0.1338
306	5-May	12:46:33	0.005	0.1312
307	5-May	12:47:33	0.002	0.128533
308	5-May	12:48:33	0.003	0.123267
309	5-May	12:49:33	0	0.118333

Point	Date	Time	Avg.(mg/m3)	
310	5-May	12:50:33	0.002	0.1142
311	5-May	12:51:33	0	0.1116
312	5-May	12:52:33	0.001	0.110667
313	5-May	12:53:33	0.002	0.109733
314	5-May	12:54:33	0	0.107733
315	5-May	12:55:33	0	0.102467
316	5-May	12:56:33	0.007	0.048333
317	5-May	12:57:33	0.004	0.020467
318	5-May	12:58:33	0.008	0.0104
319	5-May	12:59:33	0.003	0.004133
320	5-May	13:00:33	0.005	0.0028
321	5-May	13:01:33	0.002	0.0026
322	5-May	13:02:33	0.001	0.002533
323	5-May	13:03:33	0.015	0.003333
324	5-May	13:04:33	0.033	0.005533
325	5-May	13:05:33	0.078	0.0106
326	5-May	13:06:33	0.034	0.012867
327	5-May	13:07:33	0.086	0.018533
328	5-May	13:08:33	0.035	0.020733
329	5-May	13:09:33	0.045	0.023733
330	5-May	13:10:33	0.058	0.0276
331	5-May	13:11:33	0.052	0.0306
332	5-May	13:12:33	0.048	0.033533
333	5-May	13:13:33	0.019	0.034267
334	5-May	13:14:33	0.001	0.034133
335	5-May	13:15:33	0	0.0338
336	5-May	13:16:33	0.001	0.033733
337	5-May	13:17:33	0	0.033667
338	5-May	13:18:33	0.006	0.033067
339	5-May	13:19:33	0.016	0.031933
340	5-May	13:20:33	0.005	0.027067
341	5-May	13:21:33	0.006	0.0252
342	5-May	13:22:33	0.023	0.021
343	5-May	13:23:33	0.002	0.0188
344	5-May	13:24:33	0.006	0.0162
345	5-May	13:25:33	0.007	0.0128
346	5-May	13:26:33	0.004	0.0096
347	5-May	13:27:33	0.001	0.006467
348	5-May	13:28:33	0.011	0.005933
349	5-May	13:29:33	0	0.005867
350	5-May	13:30:33	0	0.005867
351	5-May	13:31:33	0	0.0058
352	5-May	13:32:33	0.001	0.005867
353	5-May	13:33:33	0.002	0.0056
354	5-May	13:34:33	0.021	0.005933
355	5-May	13:35:33	0.001	0.005667

Point	Date	Time	Avg.(mg/m3)	
356	5-May	13:36:33	0	0.005267
357	5-May	13:37:33	0	0.003733
358	5-May	13:38:33	0	0.0036
359	5-May	13:39:33	0.004	0.003467
360	5-May	13:40:33	0.002	0.003133
361	5-May	13:41:33	0.008	0.0034
362	5-May	13:42:33	0	0.003333
363	5-May	13:43:33	0.002	0.002733
364	5-May	13:44:33	0	0.002733
365	5-May	13:45:33	0.013	0.0036
366	5-May	13:46:33	0	0.0036
367	5-May	13:47:33	0.014	0.004467
368	5-May	13:48:33	0.002	0.004467
369	5-May	13:49:33	0.008	0.0036
370	5-May	13:50:33	0.012	0.004333
371	5-May	13:51:33	0.006	0.004733
372	5-May	13:52:33	0.013	0.0056
373	5-May	13:53:33	0.009	0.0062
374	5-May	13:54:33	0.011	0.006667
375	5-May	13:55:33	0.001	0.0066
376	5-May	13:56:33	0.006	0.006467
377	5-May	13:57:33	0.009	0.007067
378	5-May	13:58:33	0.013	0.0078
379	5-May	13:59:33	0.014	0.008733
380	5-May	14:00:33	0.009	0.008467
381	5-May	14:01:33	0.017	0.0096
382	5-May	14:02:33	0.029	0.0106
383	5-May	14:03:33	0.033	0.012667
384	5-May	14:04:33	0.018	0.013333
385	5-May	14:05:33	0.007	0.013
386	5-May	14:06:33	0.013	0.013467
387	5-May	14:07:33	0.008	0.013133
388	5-May	14:08:33	0.007	0.013
389	5-May	14:09:33	0.004	0.012533
390	5-May	14:10:33	0.01	0.013133
391	5-May	14:11:33	0.012	0.013533
392	5-May	14:12:33	0.004	0.0132
393	5-May	14:13:33	0.006	0.012733
394	5-May	14:14:33	0.006	0.0122
395	5-May	14:15:33	0.005	0.011933
396	5-May	14:16:33	0.003	0.011
397	5-May	14:17:33	0.001	0.009133
398	5-May	14:18:33	0	0.006933
399	5-May	14:19:33	0.007	0.0062
400	5-May	14:20:33	0.006	0.006133
401	5-May	14:21:33	0.003	0.005467

Point	Date	Time	Avg.(mg/m3)	
402	5-May	14:22:33	0.003	0.005133
403	5-May	14:23:33	0.001	0.004733
404	5-May	14:24:33	0.003	0.004667
405	5-May	14:25:33	0.003	0.0042
406	5-May	14:26:33	0	0.0034
407	5-May	14:27:33	0.001	0.0032
408	5-May	14:28:33	0.001	0.002867
409	5-May	14:29:33	0.002	0.0026
410	5-May	14:30:33	0.001	0.002333
411	5-May	14:31:33	0	0.002133
412	5-May	14:32:33	0.006	0.002467
413	5-May	14:33:33	0.009	0.003067
414	5-May	14:34:33	0	0.0026
415	5-May	14:35:33	0	0.0022
416	5-May	14:36:33	0	0.002
417	5-May	14:37:33	0.001	0.001867
418	5-May	14:38:33	0.003	0.002
419	5-May	14:39:33	0.022	0.003267
420	5-May	14:40:33	0.035	0.0054
421	5-May	14:41:33	0.028	0.007267
422	5-May	14:42:33	0.052	0.010667
423	5-May	14:43:33	0.063	0.0148
424	5-May	14:44:33	0.065	0.019
425	5-May	14:45:33	0.049	0.0222
426	5-May	14:46:33	0.056	0.025933
427	5-May	14:47:33	0.053	0.029067
428	5-May	14:48:33	0.037	0.030933
429	5-May	14:49:33	0.025	0.0326
430	5-May	14:50:33	0.033	0.0348
431	5-May	14:51:33	0.035	0.037133
432	5-May	14:52:33	0.016	0.038133
433	5-May	14:53:33	0.016	0.039
434	5-May	14:54:33	0.022	0.039
435	5-May	14:55:33	0.016	0.037733

pDR
Tag Number: 06
Number of logged points: 413
Start time and date: 08:09:27 06-May
Elapsed time: 06:53:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 1.015 mg/m3
Time at maximum: 09:03:34 May 06
Max STEL Concentration: 0.229 mg/m3
Time at max STEL: 09:59:57 May 06
Overall Avg Conc: 0.055 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)	
1	6-May	08:10:27	0.023	
2	6-May	08:11:27	0.026	
3	6-May	08:12:27	0.022	
4	6-May	08:13:27	0.012	
5	6-May	08:14:27	0.016	
6	6-May	08:15:27	0.019	
7	6-May	08:16:27	0.012	
8	6-May	08:17:27	0.015	
9	6-May	08:18:27	0.102	
10	6-May	08:19:27	0.104	
11	6-May	08:20:27	0.28	
12	6-May	08:21:27	0.225	
13	6-May	08:22:27	0.095	
14	6-May	08:23:27	0.166	
15	6-May	08:24:27	0.247	0.090933
16	6-May	08:25:27	0.053	0.092933
17	6-May	08:26:27	0.043	0.094067
18	6-May	08:27:27	0.08	0.097933
19	6-May	08:28:27	0.105	0.104133
20	6-May	08:29:27	0.243	0.119267
21	6-May	08:30:27	0.179	0.129933
22	6-May	08:31:27	0.039	0.131733
23	6-May	08:32:27	0.032	0.132867
24	6-May	08:33:27	0.046	0.129133
25	6-May	08:34:27	0.047	0.125333
26	6-May	08:35:27	0.03	0.108667
27	6-May	08:36:27	0.026	0.0954
28	6-May	08:37:27	0.071	0.0938
29	6-May	08:38:27	0.158	0.093267
30	6-May	08:39:27	0.122	0.084933
31	6-May	08:40:27	0.104	0.088333
32	6-May	08:41:27	0.07	0.090133
33	6-May	08:42:27	0.065	0.089133

Point	Date	Time	Avg.(mg/m3)	
34	6-May	08:43:27	0.037	0.0846
35	6-May	08:44:27	0.259	0.085667
36	6-May	08:45:27	0.584	0.112667
37	6-May	08:46:27	0.034	0.112333
38	6-May	08:47:27	0.025	0.111867
39	6-May	08:48:27	0.061	0.112867
40	6-May	08:49:27	0.05	0.113067
41	6-May	08:50:27	0.045	0.114067
42	6-May	08:51:27	0.074	0.117267
43	6-May	08:52:27	0.048	0.115733
44	6-May	08:53:27	0.05	0.108533
45	6-May	08:54:27	0.038	0.102933
46	6-May	08:55:27	0.058	0.099867
47	6-May	08:56:27	0.041	0.097933
48	6-May	08:57:27	0.048	0.0968
49	6-May	08:58:27	0.061	0.0984
50	6-May	08:59:27	0.117	0.088933
51	6-May	09:00:27	0.103	0.056867
52	6-May	09:01:27	0.057	0.0584
53	6-May	09:02:27	0.063	0.060933
54	6-May	09:03:27	0.228	0.072067
55	6-May	09:04:27	0.235	0.0844
56	6-May	09:05:27	0.08	0.086733
57	6-May	09:06:27	0.09	0.0878
58	6-May	09:07:27	0.033	0.0868
59	6-May	09:08:27	0.082	0.088933
60	6-May	09:09:27	0.083	0.091933
61	6-May	09:10:27	0.035	0.0904
62	6-May	09:11:27	0.1	0.094333
63	6-May	09:12:27	0.077	0.096267
64	6-May	09:13:27	0.074	0.097133
65	6-May	09:14:27	0.043	0.0922
66	6-May	09:15:27	0.084	0.090933
67	6-May	09:16:27	0.096	0.093533
68	6-May	09:17:27	0.063	0.093533
69	6-May	09:18:27	0.124	0.0866
70	6-May	09:19:27	0.103	0.0778
71	6-May	09:20:27	0.084	0.078067
72	6-May	09:21:27	0.047	0.0752
73	6-May	09:22:27	0.061	0.077067
74	6-May	09:23:27	0.096	0.078
75	6-May	09:24:27	0.291	0.091867
76	6-May	09:25:27	0.29	0.108867
77	6-May	09:26:27	0.115	0.109867
78	6-May	09:27:27	0.064	0.109
79	6-May	09:28:27	0.048	0.107267

Point	Date	Time	Avg.(mg/m3)	
80	6-May	09:29:27	0.038	0.106933
81	6-May	09:30:27	0.029	0.103267
82	6-May	09:31:27	0.035	0.0992
83	6-May	09:32:27	0.038	0.097533
84	6-May	09:33:27	0.051	0.092667
85	6-May	09:34:27	0.03	0.0878
86	6-May	09:35:27	0.024	0.0838
87	6-May	09:36:27	0.031	0.082733
88	6-May	09:37:27	0.063	0.082867
89	6-May	09:38:27	0.034	0.078733
90	6-May	09:39:27	0.035	0.061667
91	6-May	09:40:27	0.035	0.044667
92	6-May	09:41:27	0.025	0.038667
93	6-May	09:42:27	0.048	0.0376
94	6-May	09:43:27	0.036	0.0368
95	6-May	09:44:27	0.041	0.037
96	6-May	09:45:27	0.037	0.037533
97	6-May	09:46:27	0.172	0.046667
98	6-May	09:47:27	0.258	0.061333
99	6-May	09:48:27	0.265	0.0756
100	6-May	09:49:27	0.379	0.098867
101	6-May	09:50:27	0.23	0.1126
102	6-May	09:51:27	0.114	0.118133
103	6-May	09:52:27	0.096	0.120333
104	6-May	09:53:27	0.201	0.131467
105	6-May	09:54:27	0.193	0.142
106	6-May	09:55:27	0.321	0.161067
107	6-May	09:56:27	0.336	0.1818
108	6-May	09:57:27	0.311	0.199333
109	6-May	09:58:27	0.108	0.204133
110	6-May	09:59:27	0.328	0.223267
111	6-May	10:00:27	0.128	0.229333
112	6-May	10:01:27	0.107	0.225
113	6-May	10:02:27	0.082	0.213267
114	6-May	10:03:27	0.051	0.199
115	6-May	10:04:27	0.064	0.178
116	6-May	10:05:27	0.148	0.172533
117	6-May	10:06:27	0.165	0.175933
118	6-May	10:07:27	0.151	0.1796
119	6-May	10:08:27	0.126	0.1746
120	6-May	10:09:27	0.146	0.171467
121	6-May	10:10:27	0.127	0.158533
122	6-May	10:11:27	0.064	0.1404
123	6-May	10:12:27	0.151	0.129733
124	6-May	10:13:27	0.087	0.128333
125	6-May	10:14:27	0.089	0.1124

Point	Date	Time	Avg.(mg/m3)	
126	6-May	10:15:27	0.116	0.1116
127	6-May	10:16:27	0.08	0.1098
128	6-May	10:17:27	0.037	0.1068
129	6-May	10:18:27	0.062	0.107533
130	6-May	10:19:27	0.021	0.104667
131	6-May	10:20:27	0.073	0.099667
132	6-May	10:21:27	0.086	0.0944
133	6-May	10:22:27	0.1	0.091
134	6-May	10:23:27	0.073	0.087467
135	6-May	10:24:27	0.034	0.08
136	6-May	10:25:27	0.054	0.075133
137	6-May	10:26:27	0.09	0.076867
138	6-May	10:27:27	0.052	0.070267
139	6-May	10:28:27	0.151	0.074533
140	6-May	10:29:27	0.284	0.087533
141	6-May	10:30:27	0.343	0.102667
142	6-May	10:31:27	0.138	0.106533
143	6-May	10:32:27	0.034	0.106333
144	6-May	10:33:27	0.246	0.1186
145	6-May	10:34:27	0.373	0.142067
146	6-May	10:35:27	0.463	0.168067
147	6-May	10:36:27	0.22	0.177
148	6-May	10:37:27	0.101	0.177067
149	6-May	10:38:27	0.046	0.175267
150	6-May	10:39:27	0.051	0.1764
151	6-May	10:40:27	0.042	0.1756
152	6-May	10:41:27	0.066	0.174
153	6-May	10:42:27	0.073	0.1754
154	6-May	10:43:27	0.061	0.1694
155	6-May	10:44:27	0.077	0.1556
156	6-May	10:45:27	0.047	0.135867
157	6-May	10:46:27	0.044	0.1296
158	6-May	10:47:27	0.025	0.129
159	6-May	10:48:27	0.024	0.1142
160	6-May	10:49:27	0.024	0.090933
161	6-May	10:50:27	0.025	0.061733
162	6-May	10:51:27	0.032	0.0492
163	6-May	10:52:27	0.033	0.044667
164	6-May	10:53:27	0.038	0.044133
165	6-May	10:54:27	0.028	0.0426
166	6-May	10:55:27	0.024	0.0414
167	6-May	10:56:27	0.027	0.0388
168	6-May	10:57:27	0.036	0.036333
169	6-May	10:58:27	0.027	0.034067
170	6-May	10:59:27	0.024	0.030533
171	6-May	11:00:27	0.025	0.029067

Point	Date	Time	Avg.(mg/m3)	
172	6-May	11:01:27	0.023	0.027667
173	6-May	11:02:27	0.027	0.0278
174	6-May	11:03:27	0.034	0.028467
175	6-May	11:04:27	0.03	0.028867
176	6-May	11:05:27	0.026	0.028933
177	6-May	11:06:27	0.035	0.029133
178	6-May	11:07:27	0.024	0.028533
179	6-May	11:08:27	0.03	0.028
180	6-May	11:09:27	0.029	0.028067
181	6-May	11:10:27	0.032	0.0286
182	6-May	11:11:27	0.027	0.0286
183	6-May	11:12:27	0.029	0.028133
184	6-May	11:13:27	0.026	0.028067
185	6-May	11:14:27	0.028	0.028333
186	6-May	11:15:27	0.026	0.0284
187	6-May	11:16:27	0.025	0.028533
188	6-May	11:17:27	0.024	0.028333
189	6-May	11:18:27	0.024	0.027667
190	6-May	11:19:27	0.025	0.027333
191	6-May	11:20:27	0.026	0.027333
192	6-May	11:21:27	0.023	0.026533
193	6-May	11:22:27	0.028	0.0268
194	6-May	11:23:27	0.026	0.026533
195	6-May	11:24:27	0.022	0.026067
196	6-May	11:25:27	0.024	0.025533
197	6-May	11:26:27	0.025	0.0254
198	6-May	11:27:27	0.024	0.025067
199	6-May	11:28:27	0.024	0.024933
200	6-May	11:29:27	0.022	0.024533
201	6-May	11:30:27	0.022	0.024267
202	6-May	11:31:27	0.024	0.0242
203	6-May	11:32:27	0.025	0.024267
204	6-May	11:33:27	0.022	0.024133
205	6-May	11:34:27	0.024	0.024067
206	6-May	11:35:27	0.022	0.0238
207	6-May	11:36:27	0.024	0.023867
208	6-May	11:37:27	0.028	0.023867
209	6-May	11:38:27	0.025	0.0238
210	6-May	11:39:27	0.031	0.0244
211	6-May	11:40:27	0.022	0.024267
212	6-May	11:41:27	0.024	0.0242
213	6-May	11:42:27	0.026	0.024333
214	6-May	11:43:27	0.022	0.0242
215	6-May	11:44:27	0.022	0.0242
216	6-May	11:45:27	0.021	0.024133
217	6-May	11:46:27	0.023	0.024067

Point	Date	Time	Avg.(mg/m3)	
218	6-May	11:47:27	0.024	0.024
219	6-May	11:48:27	0.025	0.0242
220	6-May	11:49:27	0.022	0.024067
221	6-May	11:50:27	0.023	0.024133
222	6-May	11:51:27	0.024	0.024133
223	6-May	11:52:27	0.026	0.024
224	6-May	11:53:27	0.022	0.0238
225	6-May	11:54:27	0.023	0.023267
226	6-May	11:55:27	0.023	0.023333
227	6-May	11:56:27	0.021	0.023133
228	6-May	11:57:27	0.021	0.0228
229	6-May	11:58:27	0.023	0.022867
230	6-May	11:59:27	0.027	0.0232
231	6-May	12:00:27	0.023	0.023333
232	6-May	12:01:27	0.021	0.0232
233	6-May	12:02:27	0.022	0.023067
234	6-May	12:03:27	0.022	0.022867
235	6-May	12:04:27	0.027	0.0232
236	6-May	12:05:27	0.022	0.023133
237	6-May	12:06:27	0.021	0.022933
238	6-May	12:07:27	0.021	0.0226
239	6-May	12:08:27	0.025	0.0228
240	6-May	12:09:27	0.022	0.022733
241	6-May	12:10:27	0.023	0.022733
242	6-May	12:11:27	0.025	0.023
243	6-May	12:12:27	0.026	0.023333
244	6-May	12:13:27	0.022	0.023267
245	6-May	12:14:27	0.024	0.023067
246	6-May	12:15:27	0.027	0.023333
247	6-May	12:16:27	0.022	0.0234
248	6-May	12:17:27	0.025	0.0236
249	6-May	12:18:27	0.025	0.0238
250	6-May	12:19:27	0.022	0.023467
251	6-May	12:20:27	0.026	0.023733
252	6-May	12:21:27	0.025	0.024
253	6-May	12:22:27	0.023	0.024133
254	6-May	12:23:27	0.026	0.0242
255	6-May	12:24:27	0.022	0.0242
256	6-May	12:25:27	0.023	0.0242
257	6-May	12:26:27	0.023	0.024067
258	6-May	12:27:27	0.023	0.023867
259	6-May	12:28:27	0.021	0.0238
260	6-May	12:29:27	0.023	0.023733
261	6-May	12:30:27	0.023	0.023467
262	6-May	12:31:27	0.024	0.0236
263	6-May	12:32:27	0.02	0.023267

Point	Date	Time	Avg.(mg/m3)	
264	6-May	12:33:27	0.021	0.023
265	6-May	12:34:27	0.021	0.022933
266	6-May	12:35:27	0.021	0.0226
267	6-May	12:36:27	0.021	0.022333
268	6-May	12:37:27	0.022	0.022267
269	6-May	12:38:27	0.022	0.022
270	6-May	12:39:27	0.021	0.021933
271	6-May	12:40:27	0.023	0.021933
272	6-May	12:41:27	0.02	0.021733
273	6-May	12:42:27	0.02	0.021533
274	6-May	12:43:27	0.02	0.021467
275	6-May	12:44:27	0.02	0.021267
276	6-May	12:45:27	0.022	0.0212
277	6-May	12:46:27	0.021	0.021
278	6-May	12:47:27	0.021	0.021067
279	6-May	12:48:27	0.022	0.021133
280	6-May	12:49:27	0.022	0.0212
281	6-May	12:50:27	0.025	0.021467
282	6-May	12:51:27	0.031	0.022133
283	6-May	12:52:27	0.023	0.0222
284	6-May	12:53:27	0.02	0.022067
285	6-May	12:54:27	0.021	0.022067
286	6-May	12:55:27	0.021	0.021933
287	6-May	12:56:27	0.021	0.022
288	6-May	12:57:27	0.027	0.022467
289	6-May	12:58:27	0.023	0.022667
290	6-May	12:59:27	0.022	0.0228
291	6-May	13:00:27	0.02	0.022667
292	6-May	13:01:27	0.021	0.022667
293	6-May	13:02:27	0.02	0.0226
294	6-May	13:03:27	0.021	0.022533
295	6-May	13:04:27	0.023	0.0226
296	6-May	13:05:27	0.022	0.0224
297	6-May	13:06:27	0.022	0.0218
298	6-May	13:07:27	0.024	0.021867
299	6-May	13:08:27	0.021	0.021933
300	6-May	13:09:27	0.021	0.021933
301	6-May	13:10:27	0.023	0.022067
302	6-May	13:11:27	0.02	0.022
303	6-May	13:12:27	0.021	0.0216
304	6-May	13:13:27	0.02	0.0214
305	6-May	13:14:27	0.022	0.0214
306	6-May	13:15:27	0.021	0.021467
307	6-May	13:16:27	0.021	0.021467
308	6-May	13:17:27	0.02	0.021467
309	6-May	13:18:27	0.02	0.0214

Point	Date	Time	Avg.(mg/m3)	
310	6-May	13:19:27	0.02	0.0212
311	6-May	13:20:27	0.021	0.021133
312	6-May	13:21:27	0.022	0.021133
313	6-May	13:22:27	0.022	0.021
314	6-May	13:23:27	0.022	0.021067
315	6-May	13:24:27	0.021	0.021067
316	6-May	13:25:27	0.021	0.020933
317	6-May	13:26:27	0.02	0.020933
318	6-May	13:27:27	0.021	0.020933
319	6-May	13:28:27	0.022	0.021067
320	6-May	13:29:27	0.024	0.0212
321	6-May	13:30:27	0.023	0.021333
322	6-May	13:31:27	0.021	0.021333
323	6-May	13:32:27	0.022	0.021467
324	6-May	13:33:27	0.027	0.021933
325	6-May	13:34:27	0.022	0.022067
326	6-May	13:35:27	0.025	0.022333
327	6-May	13:36:27	0.021	0.022267
328	6-May	13:37:27	0.021	0.0222
329	6-May	13:38:27	0.02	0.022067
330	6-May	13:39:27	0.028	0.022533
331	6-May	13:40:27	0.023	0.022667
332	6-May	13:41:27	0.025	0.023
333	6-May	13:42:27	0.031	0.023667
334	6-May	13:43:27	0.024	0.0238
335	6-May	13:44:27	0.027	0.024
336	6-May	13:45:27	0.026	0.0242
337	6-May	13:46:27	0.023	0.024333
338	6-May	13:47:27	0.027	0.024667
339	6-May	13:48:27	0.022	0.024333
340	6-May	13:49:27	0.02	0.0242
341	6-May	13:50:27	0.022	0.024
342	6-May	13:51:27	0.021	0.024
343	6-May	13:52:27	0.021	0.024
344	6-May	13:53:27	0.022	0.024133
345	6-May	13:54:27	0.021	0.023667
346	6-May	13:55:27	0.023	0.023667
347	6-May	13:56:27	0.021	0.0234
348	6-May	13:57:27	0.02	0.022667
349	6-May	13:58:27	0.024	0.022667
350	6-May	13:59:27	0.023	0.0224
351	6-May	14:00:27	0.021	0.022067
352	6-May	14:01:27	0.022	0.022
353	6-May	14:02:27	0.023	0.021733
354	6-May	14:03:27	0.02	0.0216
355	6-May	14:04:27	0.02	0.0216

Point	Date	Time	Avg.(mg/m3)	
356	6-May	14:05:27	0.021	0.021533
357	6-May	14:06:27	0.022	0.0216
358	6-May	14:07:27	0.023	0.021733
359	6-May	14:08:27	0.028	0.022133
360	6-May	14:09:27	0.022	0.0222
361	6-May	14:10:27	0.021	0.022067
362	6-May	14:11:27	0.021	0.022067
363	6-May	14:12:27	0.021	0.022133
364	6-May	14:13:27	0.021	0.021933
365	6-May	14:14:27	0.02	0.021733
366	6-May	14:15:27	0.022	0.0218
367	6-May	14:16:27	0.022	0.0218
368	6-May	14:17:27	0.021	0.021667
369	6-May	14:18:27	0.021	0.021733
370	6-May	14:19:27	0.022	0.021867
371	6-May	14:20:27	0.021	0.021867
372	6-May	14:21:27	0.023	0.021933
373	6-May	14:22:27	0.021	0.0218
374	6-May	14:23:27	0.022	0.0214
375	6-May	14:24:27	0.028	0.0218
376	6-May	14:25:27	0.021	0.0218
377	6-May	14:26:27	0.024	0.022
378	6-May	14:27:27	0.02	0.021933
379	6-May	14:28:27	0.02	0.021867
380	6-May	14:29:27	0.022	0.022
381	6-May	14:30:27	0.021	0.021933
382	6-May	14:31:27	0.021	0.021867
383	6-May	14:32:27	0.021	0.021867
384	6-May	14:33:27	0.021	0.021867
385	6-May	14:34:27	0.027	0.0222
386	6-May	14:35:27	0.02	0.022133
387	6-May	14:36:27	0.021	0.022
388	6-May	14:37:27	0.025	0.022267
389	6-May	14:38:27	0.021	0.0222
390	6-May	14:39:27	0.022	0.0218
391	6-May	14:40:27	0.025	0.022067
392	6-May	14:41:27	0.023	0.022
393	6-May	14:42:27	0.021	0.022067
394	6-May	14:43:27	0.021	0.022133
395	6-May	14:44:27	0.02	0.022
396	6-May	14:45:27	0.023	0.022133
397	6-May	14:46:27	0.026	0.022467
398	6-May	14:47:27	0.021	0.022467
399	6-May	14:48:27	0.021	0.022467
400	6-May	14:49:27	0.02	0.022
401	6-May	14:50:27	0.023	0.0222

Point	Date	Time	Avg.(mg/m3)	
402	6-May	14:51:27	0.023	0.022333
403	6-May	14:52:27	0.023	0.0222
404	6-May	14:53:27	0.021	0.0222
405	6-May	14:54:27	0.023	0.022267
406	6-May	14:55:27	0.022	0.022067
407	6-May	14:56:27	0.021	0.021933
408	6-May	14:57:27	0.02	0.021867
409	6-May	14:58:27	0.023	0.022
410	6-May	14:59:27	0.035	0.023
411	6-May	15:00:27	0.024	0.023067
412	6-May	15:01:27	0.02	0.022667
413	6-May	15:02:27	0.02	0.0226
				0.229333

pDR
Tag Number: 07
Number of logged points: 401
Start time and date: 07:24:57 07-May
Elapsed time: 06:41:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.182 mg/m3
Time at maximum: 11:48:47 May 07
Max STEL Concentration: 0.024 mg/m3
Time at max STEL: 11:57:28 May 07
Overall Avg Conc: 0.007 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)	
1	7-May	07:25:57	0.003	
2	7-May	07:26:57	0.002	
3	7-May	07:27:57	0.004	
4	7-May	07:28:57	0.002	
5	7-May	07:29:57	0.002	
6	7-May	07:30:57	0.003	
7	7-May	07:31:57	0.002	
8	7-May	07:32:57	0.004	
9	7-May	07:33:57	0.003	
10	7-May	07:34:57	0.004	
11	7-May	07:35:57	0.002	
12	7-May	07:36:57	0.003	
13	7-May	07:37:57	0.004	
14	7-May	07:38:57	0.004	
15	7-May	07:39:57	0.005	0.003133
16	7-May	07:40:57	0.005	0.003267
17	7-May	07:41:57	0.006	0.003533
18	7-May	07:42:57	0.006	0.003667
19	7-May	07:43:57	0.006	0.003933
20	7-May	07:44:57	0.007	0.004267
21	7-May	07:45:57	0.007	0.004533
22	7-May	07:46:57	0.006	0.0048
23	7-May	07:47:57	0.005	0.004867
24	7-May	07:48:57	0.005	0.005
25	7-May	07:49:57	0.006	0.005133
26	7-May	07:50:57	0.006	0.0054
27	7-May	07:51:57	0.008	0.005733
28	7-May	07:52:57	0.006	0.005867
29	7-May	07:53:57	0.005	0.005933
30	7-May	07:54:57	0.006	0.006
31	7-May	07:55:57	0.004	0.005933
32	7-May	07:56:57	0.008	0.006067
33	7-May	07:57:57	0.012	0.006467

Point	Date	Time	Avg.(mg/m3)	
34	7-May	07:58:57	0.005	0.0064
35	7-May	07:59:57	0.006	0.006333
36	7-May	08:00:57	0.006	0.006267
37	7-May	08:01:57	0.003	0.006067
38	7-May	08:02:57	0.004	0.006
39	7-May	08:03:57	0.007	0.006133
40	7-May	08:04:57	0.005	0.006067
41	7-May	08:05:57	0.004	0.005933
42	7-May	08:06:57	0.004	0.005667
43	7-May	08:07:57	0.005	0.0056
44	7-May	08:08:57	0.005	0.0056
45	7-May	08:09:57	0.003	0.0054
46	7-May	08:10:57	0.004	0.0054
47	7-May	08:11:57	0.003	0.005067
48	7-May	08:12:57	0.008	0.0048
49	7-May	08:13:57	0.005	0.0048
50	7-May	08:14:57	0.004	0.004667
51	7-May	08:15:57	0.003	0.004467
52	7-May	08:16:57	0.004	0.004533
53	7-May	08:17:57	0.002	0.0044
54	7-May	08:18:57	0.004	0.0042
55	7-May	08:19:57	0.003	0.004067
56	7-May	08:20:57	0.002	0.003933
57	7-May	08:21:57	0.002	0.0038
58	7-May	08:22:57	0.002	0.0036
59	7-May	08:23:57	0.002	0.0034
60	7-May	08:24:57	0.006	0.0036
61	7-May	08:25:57	0.002	0.003467
62	7-May	08:26:57	0.003	0.003467
63	7-May	08:27:57	0.004	0.0032
64	7-May	08:28:57	0.004	0.003133
65	7-May	08:29:57	0.002	0.003
66	7-May	08:30:57	0.002	0.002933
67	7-May	08:31:57	0.004	0.002933
68	7-May	08:32:57	0.002	0.002933
69	7-May	08:33:57	0.002	0.0028
70	7-May	08:34:57	0.002	0.002733
71	7-May	08:35:57	0.002	0.002733
72	7-May	08:36:57	0.002	0.002733
73	7-May	08:37:57	0.002	0.002733
74	7-May	08:38:57	0.002	0.002733
75	7-May	08:39:57	0.003	0.002533
76	7-May	08:40:57	0.002	0.002533
77	7-May	08:41:57	0.004	0.0026
78	7-May	08:42:57	0.003	0.002533
79	7-May	08:43:57	0.001	0.002333

Point	Date	Time	Avg.(mg/m3)	
80	7-May	08:44:57	0.003	0.0024
81	7-May	08:45:57	0.002	0.0024
82	7-May	08:46:57	0	0.002133
83	7-May	08:47:57	0.001	0.002067
84	7-May	08:48:57	0.001	0.002
85	7-May	08:49:57	0	0.001867
86	7-May	08:50:57	0	0.001733
87	7-May	08:51:57	0.001	0.001667
88	7-May	08:52:57	0	0.001533
89	7-May	08:53:57	0	0.0014
90	7-May	08:54:57	0.002	0.001333
91	7-May	08:55:57	0.001	0.001267
92	7-May	08:56:57	0	0.001
93	7-May	08:57:57	0.002	0.000933
94	7-May	08:58:57	0.002	0.001
95	7-May	08:59:57	0.004	0.001067
96	7-May	09:00:57	0.001	0.001
97	7-May	09:01:57	0.007	0.001467
98	7-May	09:02:57	0.004	0.001667
99	7-May	09:03:57	0.001	0.001667
100	7-May	09:04:57	0.001	0.001733
101	7-May	09:05:57	0.003	0.001933
102	7-May	09:06:57	0.002	0.002
103	7-May	09:07:57	0.003	0.0022
104	7-May	09:08:57	0.006	0.0026
105	7-May	09:09:57	0.005	0.0028
106	7-May	09:10:57	0.001	0.0028
107	7-May	09:11:57	0.006	0.0032
108	7-May	09:12:57	0.005	0.0034
109	7-May	09:13:57	0.003	0.003467
110	7-May	09:14:57	0.003	0.0034
111	7-May	09:15:57	0.001	0.0034
112	7-May	09:16:57	0.003	0.003133
113	7-May	09:17:57	0.001	0.002933
114	7-May	09:18:57	0.001	0.002933
115	7-May	09:19:57	0.002	0.003
116	7-May	09:20:57	0.003	0.003
117	7-May	09:21:57	0.004	0.003133
118	7-May	09:22:57	0.002	0.003067
119	7-May	09:23:57	0	0.002667
120	7-May	09:24:57	0.007	0.0028
121	7-May	09:25:57	0.003	0.002933
122	7-May	09:26:57	0.003	0.002733
123	7-May	09:27:57	0.006	0.0028
124	7-May	09:28:57	0.005	0.002933
125	7-May	09:29:57	0.003	0.002933

Point	Date	Time	Avg.(mg/m3)	
126	7-May	09:30:57	0.002	0.003
127	7-May	09:31:57	0.008	0.003333
128	7-May	09:32:57	0.002	0.0034
129	7-May	09:33:57	0.004	0.0036
130	7-May	09:34:57	0.003	0.003667
131	7-May	09:35:57	0.002	0.0036
132	7-May	09:36:57	0.002	0.003467
133	7-May	09:37:57	0.009	0.003933
134	7-May	09:38:57	0.008	0.004467
135	7-May	09:39:57	0.015	0.005
136	7-May	09:40:57	0.007	0.005267
137	7-May	09:41:57	0.023	0.0066
138	7-May	09:42:57	0.005	0.006533
139	7-May	09:43:57	0.006	0.0066
140	7-May	09:44:57	0.002	0.006533
141	7-May	09:45:57	0.003	0.0066
142	7-May	09:46:57	0.003	0.006267
143	7-May	09:47:57	0.002	0.006267
144	7-May	09:48:57	0.001	0.006067
145	7-May	09:49:57	0.015	0.006867
146	7-May	09:50:57	0.001	0.0068
147	7-May	09:51:57	0.002	0.0068
148	7-May	09:52:57	0	0.0062
149	7-May	09:53:57	0.01	0.006333
150	7-May	09:54:57	0.009	0.005933
151	7-May	09:55:57	0.003	0.005667
152	7-May	09:56:57	0	0.004133
153	7-May	09:57:57	0.001	0.003867
154	7-May	09:58:57	0.001	0.003533
155	7-May	09:59:57	0.005	0.003733
156	7-May	10:00:57	0.003	0.003733
157	7-May	10:01:57	0.004	0.0038
158	7-May	10:02:57	0.002	0.0038
159	7-May	10:03:57	0.009	0.004333
160	7-May	10:04:57	0.006	0.003733
161	7-May	10:05:57	0.002	0.0038
162	7-May	10:06:57	0.002	0.0038
163	7-May	10:07:57	0.005	0.004133
164	7-May	10:08:57	0.002	0.0036
165	7-May	10:09:57	0.009	0.0036
166	7-May	10:10:57	0.004	0.003667
167	7-May	10:11:57	0.007	0.004133
168	7-May	10:12:57	0.013	0.004933
169	7-May	10:13:57	0.014	0.0058
170	7-May	10:14:57	0.006	0.005867
171	7-May	10:15:57	0.006	0.006067

Point	Date	Time	Avg.(mg/m3)	
172	7-May	10:16:57	0.009	0.0064
173	7-May	10:17:57	0.006	0.006667
174	7-May	10:18:57	0.008	0.0066
175	7-May	10:19:57	0.021	0.0076
176	7-May	10:20:57	0.005	0.0078
177	7-May	10:21:57	0.007	0.008133
178	7-May	10:22:57	0.003	0.008
179	7-May	10:23:57	0.003	0.008067
180	7-May	10:24:57	0.002	0.0076
181	7-May	10:25:57	0.005	0.007667
182	7-May	10:26:57	0.002	0.007333
183	7-May	10:27:57	0.005	0.0068
184	7-May	10:28:57	0.014	0.0068
185	7-May	10:29:57	0.011	0.007133
186	7-May	10:30:57	0.007	0.0072
187	7-May	10:31:57	0.004	0.006867
188	7-May	10:32:57	0.003	0.006667
189	7-May	10:33:57	0.003	0.006333
190	7-May	10:34:57	0.009	0.005533
191	7-May	10:35:57	0.012	0.006
192	7-May	10:36:57	0.009	0.006133
193	7-May	10:37:57	0.002	0.006067
194	7-May	10:38:57	0.013	0.006733
195	7-May	10:39:57	0.005	0.006933
196	7-May	10:40:57	0.005	0.006933
197	7-May	10:41:57	0.006	0.0072
198	7-May	10:42:57	0.002	0.007
199	7-May	10:43:57	0.002	0.0062
200	7-May	10:44:57	0.005	0.0058
201	7-May	10:45:57	0.004	0.0056
202	7-May	10:46:57	0.004	0.0056
203	7-May	10:47:57	0.004	0.005667
204	7-May	10:48:57	0.003	0.005667
205	7-May	10:49:57	0.023	0.0066
206	7-May	10:50:57	0.007	0.006267
207	7-May	10:51:57	0.004	0.005933
208	7-May	10:52:57	0.005	0.006133
209	7-May	10:53:57	0.007	0.005733
210	7-May	10:54:57	0.007	0.005867
211	7-May	10:55:57	0.005	0.005867
212	7-May	10:56:57	0.006	0.005867
213	7-May	10:57:57	0.004	0.006
214	7-May	10:58:57	0.008	0.0064
215	7-May	10:59:57	0.005	0.0064
216	7-May	11:00:57	0.009	0.006733
217	7-May	11:01:57	0.01	0.007133

Point	Date	Time	Avg.(mg/m3)	
218	7-May	11:02:57	0.003	0.007067
219	7-May	11:03:57	0.006	0.007267
220	7-May	11:04:57	0.007	0.0062
221	7-May	11:05:57	0.014	0.006667
222	7-May	11:06:57	0.015	0.0074
223	7-May	11:07:57	0.006	0.007467
224	7-May	11:08:57	0.004	0.007267
225	7-May	11:09:57	0.005	0.007133
226	7-May	11:10:57	0.002	0.006933
227	7-May	11:11:57	0.002	0.006667
228	7-May	11:12:57	0.003	0.0066
229	7-May	11:13:57	0.007	0.006533
230	7-May	11:14:57	0.016	0.007267
231	7-May	11:15:57	0.003	0.006867
232	7-May	11:16:57	0.007	0.006667
233	7-May	11:17:57	0.007	0.006933
234	7-May	11:18:57	0.001	0.0066
235	7-May	11:19:57	0.001	0.0062
236	7-May	11:20:57	0.003	0.005467
237	7-May	11:21:57	0.003	0.004667
238	7-May	11:22:57	0.006	0.004667
239	7-May	11:23:57	0.001	0.004467
240	7-May	11:24:57	0.008	0.004667
241	7-May	11:25:57	0.006	0.004933
242	7-May	11:26:57	0.005	0.005133
243	7-May	11:27:57	0.004	0.0052
244	7-May	11:28:57	0.001	0.0048
245	7-May	11:29:57	0.004	0.004
246	7-May	11:30:57	0.006	0.0042
247	7-May	11:31:57	0.008	0.004267
248	7-May	11:32:57	0.003	0.004
249	7-May	11:33:57	0.007	0.0044
250	7-May	11:34:57	0.007	0.0048
251	7-May	11:35:57	0.007	0.005067
252	7-May	11:36:57	0.007	0.005333
253	7-May	11:37:57	0.006	0.005333
254	7-May	11:38:57	0.002	0.0054
255	7-May	11:39:57	0.005	0.0052
256	7-May	11:40:57	0.003	0.005
257	7-May	11:41:57	0.006	0.005067
258	7-May	11:42:57	0.006	0.0052
259	7-May	11:43:57	0.004	0.0054
260	7-May	11:44:57	0.009	0.005733
261	7-May	11:45:57	0.008	0.005867
262	7-May	11:46:57	0.011	0.006067
263	7-May	11:47:57	0.004	0.006133

Point	Date	Time	Avg.(mg/m3)	
264	7-May	11:48:57	0.116	0.0134
265	7-May	11:49:57	0.054	0.016533
266	7-May	11:50:57	0.021	0.017467
267	7-May	11:51:57	0.036	0.0194
268	7-May	11:52:57	0.026	0.020733
269	7-May	11:53:57	0.025	0.022267
270	7-May	11:54:57	0.01	0.0226
271	7-May	11:55:57	0.011	0.023133
272	7-May	11:56:57	0.01	0.0234
273	7-May	11:57:57	0.01	0.023667
274	7-May	11:58:57	0.004	0.023667
275	7-May	11:59:57	0.006	0.023467
276	7-May	12:00:57	0.003	0.023133
277	7-May	12:01:57	0.006	0.0228
278	7-May	12:02:57	0.007	0.023
279	7-May	12:03:57	0.005	0.0156
280	7-May	12:04:57	0.011	0.012733
281	7-May	12:05:57	0.017	0.012467
282	7-May	12:06:57	0.019	0.011333
283	7-May	12:07:57	0.025	0.011267
284	7-May	12:08:57	0.014	0.010533
285	7-May	12:09:57	0.009	0.010467
286	7-May	12:10:57	0.01	0.0104
287	7-May	12:11:57	0.011	0.010467
288	7-May	12:12:57	0.006	0.0102
289	7-May	12:13:57	0.012	0.010733
290	7-May	12:14:57	0.007	0.0108
291	7-May	12:15:57	0.007	0.011067
292	7-May	12:16:57	0.011	0.0114
293	7-May	12:17:57	0.014	0.011867
294	7-May	12:18:57	0.011	0.012267
295	7-May	12:19:57	0.021	0.012933
296	7-May	12:20:57	0.011	0.012533
297	7-May	12:21:57	0.017	0.0124
298	7-May	12:22:57	0.01	0.0114
299	7-May	12:23:57	0.019	0.011733
300	7-May	12:24:57	0.017	0.012267
301	7-May	12:25:57	0.007	0.012067
302	7-May	12:26:57	0.008	0.011867
303	7-May	12:27:57	0.005	0.0118
304	7-May	12:28:57	0.013	0.011867
305	7-May	12:29:57	0.024	0.013
306	7-May	12:30:57	0.012	0.013333
307	7-May	12:31:57	0.014	0.013533
308	7-May	12:32:57	0.016	0.013667
309	7-May	12:33:57	0.015	0.013933

Point	Date	Time	Avg.(mg/m3)	
310	7-May	12:34:57	0.008	0.013067
311	7-May	12:35:57	0.012	0.013133
312	7-May	12:36:57	0.014	0.012933
313	7-May	12:37:57	0.019	0.013533
314	7-May	12:38:57	0.006	0.012667
315	7-May	12:39:57	0.009	0.012133
316	7-May	12:40:57	0.016	0.012733
317	7-May	12:41:57	0.009	0.0128
318	7-May	12:42:57	0.01	0.013133
319	7-May	12:43:57	0.005	0.0126
320	7-May	12:44:57	0.008	0.011533
321	7-May	12:45:57	0.008	0.011267
322	7-May	12:46:57	0.012	0.011133
323	7-May	12:47:57	0.013	0.010933
324	7-May	12:48:57	0.008	0.010467
325	7-May	12:49:57	0.009	0.010533
326	7-May	12:50:57	0.009	0.010333
327	7-May	12:51:57	0.007	0.009867
328	7-May	12:52:57	0.015	0.0096
329	7-May	12:53:57	0.01	0.009867
330	7-May	12:54:57	0.021	0.010667
331	7-May	12:55:57	0.012	0.0104
332	7-May	12:56:57	0.007	0.010267
333	7-May	12:57:57	0.012	0.0104
334	7-May	12:58:57	0.012	0.010867
335	7-May	12:59:57	0.011	0.011067
336	7-May	13:00:57	0.006	0.010933
337	7-May	13:01:57	0.014	0.011067
338	7-May	13:02:57	0.022	0.011667
339	7-May	13:03:57	0.017	0.012267
340	7-May	13:04:57	0.01	0.012333
341	7-May	13:05:57	0.011	0.012467
342	7-May	13:06:57	0.018	0.0132
343	7-May	13:07:57	0.007	0.012667
344	7-May	13:08:57	0.02	0.013333
345	7-May	13:09:57	0.009	0.012533
346	7-May	13:10:57	0.007	0.0122
347	7-May	13:11:57	0.005	0.012067
348	7-May	13:12:57	0.002	0.0114
349	7-May	13:13:57	0.003	0.0108
350	7-May	13:14:57	0.002	0.0102
351	7-May	13:15:57	0.002	0.009933
352	7-May	13:16:57	0.003	0.0092
353	7-May	13:17:57	0.002	0.007867
354	7-May	13:18:57	0.006	0.007133
355	7-May	13:19:57	0.005	0.0068

Point	Date	Time	Avg.(mg/m3)	
356	7-May	13:20:57	0.002	0.0062
357	7-May	13:21:57	0.005	0.005333
358	7-May	13:22:57	0.002	0.005
359	7-May	13:23:57	0.032	0.0058
360	7-May	13:24:57	0.006	0.0056
361	7-May	13:25:57	0.003	0.005333
362	7-May	13:26:57	0.001	0.005067
363	7-May	13:27:57	0	0.004933
364	7-May	13:28:57	0.002	0.004867
365	7-May	13:29:57	0.001	0.0048
366	7-May	13:30:57	0.001	0.004733
367	7-May	13:31:57	0.012	0.005333
368	7-May	13:32:57	0.005	0.005533
369	7-May	13:33:57	0.007	0.0056
370	7-May	13:34:57	0.002	0.0054
371	7-May	13:35:57	0.003	0.005467
372	7-May	13:36:57	0.004	0.0054
373	7-May	13:37:57	0.013	0.006133
374	7-May	13:38:57	0.008	0.004533
375	7-May	13:39:57	0.008	0.004667
376	7-May	13:40:57	0.005	0.0048
377	7-May	13:41:57	0.004	0.005
378	7-May	13:42:57	0.001	0.005067
379	7-May	13:43:57	0.005	0.005267
380	7-May	13:44:57	0.001	0.005267
381	7-May	13:45:57	0.004	0.005467
382	7-May	13:46:57	0.005	0.005
383	7-May	13:47:57	0.002	0.0048
384	7-May	13:48:57	0.01	0.005
385	7-May	13:49:57	0.006	0.005267
386	7-May	13:50:57	0.011	0.0058
387	7-May	13:51:57	0.011	0.006267
388	7-May	13:52:57	0.003	0.0056
389	7-May	13:53:57	0.017	0.0062
390	7-May	13:54:57	0.006	0.006067
391	7-May	13:55:57	0.001	0.0058
392	7-May	13:56:57	0.01	0.0062
393	7-May	13:57:57	0.006	0.006533
394	7-May	13:58:57	0.007	0.006667
395	7-May	13:59:57	0.005	0.006933
396	7-May	14:00:57	0.009	0.007267
397	7-May	14:01:57	0.006	0.007333
398	7-May	14:02:57	0.005	0.007533
399	7-May	14:03:57	0.005	0.0072
400	7-May	14:04:57	0.002	0.006933
401	7-May	14:05:57	0.002	0.006333

Point	Date	Time	Avg.(mg/m3)
			Max: 0.023667

pDR
Tag Number: 08
Number of logged points: 444
Start time and date: 07:55:31 10-May
Elapsed time: 07:24:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.208 mg/m3
Time at maximum: 14:48:01 May 10
Max STEL Concentration: 0.033 mg/m3
Time at max STEL: 12:42:02 May 10
Overall Avg Conc: 0.010 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)	
1	10-May	07:56:31	0.001	
2	10-May	07:57:31	0.002	
3	10-May	07:58:31	0.002	
4	10-May	07:59:31	0.005	
5	10-May	08:00:31	0.001	
6	10-May	08:01:31	0.007	
7	10-May	08:02:31	0.005	
8	10-May	08:03:31	0.008	
9	10-May	08:04:31	0.009	
10	10-May	08:05:31	0.005	
11	10-May	08:06:31	0.005	
12	10-May	08:07:31	0.004	
13	10-May	08:08:31	0.006	
14	10-May	08:09:31	0.007	
15	10-May	08:10:31	0.004	0.004733
16	10-May	08:11:31	0.005	0.005
17	10-May	08:12:31	0.004	0.005133
18	10-May	08:13:31	0.002	0.005133
19	10-May	08:14:31	0.003	0.005
20	10-May	08:15:31	0.008	0.005467
21	10-May	08:16:31	0.005	0.005333
22	10-May	08:17:31	0.011	0.005733
23	10-May	08:18:31	0.018	0.0064
24	10-May	08:19:31	0.004	0.006067
25	10-May	08:20:31	0.005	0.006067
26	10-May	08:21:31	0.004	0.006
27	10-May	08:22:31	0.002	0.005867
28	10-May	08:23:31	0.004	0.005733
29	10-May	08:24:31	0.002	0.0054
30	10-May	08:25:31	0.007	0.0056
31	10-May	08:26:31	0.008	0.0058
32	10-May	08:27:31	0.003	0.005733
33	10-May	08:28:31	0.007	0.006067

Point	Date	Time	Avg.(mg/m3)	
34	10-May	08:29:31	0.002	0.006
35	10-May	08:30:31	0.006	0.005867
36	10-May	08:31:31	0.002	0.005667
37	10-May	08:32:31	0.003	0.005133
38	10-May	08:33:31	0.01	0.0046
39	10-May	08:34:31	0.014	0.005267
40	10-May	08:35:31	0.01	0.0056
41	10-May	08:36:31	0.002	0.005467
42	10-May	08:37:31	0.005	0.005667
43	10-May	08:38:31	0.004	0.005667
44	10-May	08:39:31	0.013	0.0064
45	10-May	08:40:31	0.023	0.007467
46	10-May	08:41:31	0.046	0.01
47	10-May	08:42:31	0.046	0.012867
48	10-May	08:43:31	0.052	0.015867
49	10-May	08:44:31	0.037	0.0182
50	10-May	08:45:31	0.03	0.0198
51	10-May	08:46:31	0.039	0.022267
52	10-May	08:47:31	0.034	0.024333
53	10-May	08:48:31	0.019	0.024933
54	10-May	08:49:31	0.009	0.0246
55	10-May	08:50:31	0.003	0.024133
56	10-May	08:51:31	0.002	0.024133
57	10-May	08:52:31	0.003	0.024
58	10-May	08:53:31	0.004	0.024
59	10-May	08:54:31	0.002	0.023267
60	10-May	08:55:31	0.003	0.021933
61	10-May	08:56:31	0.007	0.019333
62	10-May	08:57:31	0.002	0.0164
63	10-May	08:58:31	0.004	0.0132
64	10-May	08:59:31	0.003	0.010933
65	10-May	09:00:31	0.002	0.009067
66	10-May	09:01:31	0.003	0.006667
67	10-May	09:02:31	0.003	0.0046
68	10-May	09:03:31	0.004	0.0036
69	10-May	09:04:31	0.002	0.003133
70	10-May	09:05:31	0.003	0.003133
71	10-May	09:06:31	0.008	0.003533
72	10-May	09:07:31	0.003	0.003533
73	10-May	09:08:31	0.002	0.0034
74	10-May	09:09:31	0.004	0.003533
75	10-May	09:10:31	0.002	0.003467
76	10-May	09:11:31	0.002	0.003133
77	10-May	09:12:31	0.003	0.0032
78	10-May	09:13:31	0.005	0.003267
79	10-May	09:14:31	0.003	0.003267

Point	Date	Time	Avg.(mg/m3)	
80	10-May	09:15:31	0.004	0.0034
81	10-May	09:16:31	0.007	0.003667
82	10-May	09:17:31	0.006	0.003867
83	10-May	09:18:31	0.006	0.004
84	10-May	09:19:31	0.006	0.004267
85	10-May	09:20:31	0.006	0.004467
86	10-May	09:21:31	0.007	0.0044
87	10-May	09:22:31	0.006	0.0046
88	10-May	09:23:31	0.007	0.004933
89	10-May	09:24:31	0.013	0.005533
90	10-May	09:25:31	0.004	0.005667
91	10-May	09:26:31	0.008	0.006067
92	10-May	09:27:31	0.006	0.006267
93	10-May	09:28:31	0.006	0.006333
94	10-May	09:29:31	0.005	0.006467
95	10-May	09:30:31	0.01	0.006867
96	10-May	09:31:31	0.004	0.006667
97	10-May	09:32:31	0.011	0.007
98	10-May	09:33:31	0.005	0.006933
99	10-May	09:34:31	0.006	0.006933
100	10-May	09:35:31	0.009	0.007133
101	10-May	09:36:31	0.009	0.007267
102	10-May	09:37:31	0.011	0.0076
103	10-May	09:38:31	0.011	0.007867
104	10-May	09:39:31	0.009	0.0076
105	10-May	09:40:31	0.011	0.008067
106	10-May	09:41:31	0.011	0.008267
107	10-May	09:42:31	0.009	0.008467
108	10-May	09:43:31	0.007	0.008533
109	10-May	09:44:31	0.006	0.0086
110	10-May	09:45:31	0.007	0.0084
111	10-May	09:46:31	0.006	0.008533
112	10-May	09:47:31	0.011	0.008533
113	10-May	09:48:31	0.005	0.008533
114	10-May	09:49:31	0.006	0.008533
115	10-May	09:50:31	0.006	0.008333
116	10-May	09:51:31	0.013	0.0086
117	10-May	09:52:31	0.007	0.008333
118	10-May	09:53:31	0.007	0.008067
119	10-May	09:54:31	0.005	0.0078
120	10-May	09:55:31	0.007	0.007533
121	10-May	09:56:31	0.007	0.007267
122	10-May	09:57:31	0.006	0.007067
123	10-May	09:58:31	0.007	0.007067
124	10-May	09:59:31	0.005	0.007
125	10-May	10:00:31	0.005	0.006867

Point	Date	Time	Avg.(mg/m3)	
126	10-May	10:01:31	0.005	0.0068
127	10-May	10:02:31	0.006	0.006467
128	10-May	10:03:31	0.006	0.006533
129	10-May	10:04:31	0.006	0.006533
130	10-May	10:05:31	0.008	0.006667
131	10-May	10:06:31	0.008	0.006333
132	10-May	10:07:31	0.011	0.0066
133	10-May	10:08:31	0.009	0.006733
134	10-May	10:09:31	0.013	0.007267
135	10-May	10:10:31	0.011	0.007533
136	10-May	10:11:31	0.008	0.0076
137	10-May	10:12:31	0.019	0.008467
138	10-May	10:13:31	0.007	0.008467
139	10-May	10:14:31	0.007	0.0086
140	10-May	10:15:31	0.006	0.008667
141	10-May	10:16:31	0.007	0.0088
142	10-May	10:17:31	0.009	0.009
143	10-May	10:18:31	0.009	0.0092
144	10-May	10:19:31	0.007	0.009267
145	10-May	10:20:31	0.006	0.009133
146	10-May	10:21:31	0.006	0.009
147	10-May	10:22:31	0.005	0.0086
148	10-May	10:23:31	0.007	0.008467
149	10-May	10:24:31	0.008	0.008133
150	10-May	10:25:31	0.011	0.008133
151	10-May	10:26:31	0.016	0.008667
152	10-May	10:27:31	0.011	0.008133
153	10-May	10:28:31	0.019	0.008933
154	10-May	10:29:31	0.016	0.009533
155	10-May	10:30:31	0.009	0.009733
156	10-May	10:31:31	0.009	0.009867
157	10-May	10:32:31	0.012	0.010067
158	10-May	10:33:31	0.009	0.010067
159	10-May	10:34:31	0.007	0.010067
160	10-May	10:35:31	0.014	0.0106
161	10-May	10:36:31	0.013	0.011067
162	10-May	10:37:31	0.015	0.011733
163	10-May	10:38:31	0.017	0.0124
164	10-May	10:39:31	0.013	0.012733
165	10-May	10:40:31	0.016	0.013067
166	10-May	10:41:31	0.011	0.012733
167	10-May	10:42:31	0.007	0.012467
168	10-May	10:43:31	0.007	0.011667
169	10-May	10:44:31	0.011	0.011333
170	10-May	10:45:31	0.007	0.0112
171	10-May	10:46:31	0.008	0.011133

Point	Date	Time	Avg.(mg/m3)	
172	10-May	10:47:31	0.012	0.011133
173	10-May	10:48:31	0.012	0.011333
174	10-May	10:49:31	0.036	0.013267
175	10-May	10:50:31	0.009	0.012933
176	10-May	10:51:31	0.008	0.0126
177	10-May	10:52:31	0.006	0.012
178	10-May	10:53:31	0.017	0.012
179	10-May	10:54:31	0.01	0.0118
180	10-May	10:55:31	0.013	0.0116
181	10-May	10:56:31	0.022	0.012333
182	10-May	10:57:31	0.009	0.012467
183	10-May	10:58:31	0.011	0.012733
184	10-May	10:59:31	0.009	0.0126
185	10-May	11:00:31	0.015	0.013133
186	10-May	11:01:31	0.007	0.013067
187	10-May	11:02:31	0.005	0.0126
188	10-May	11:03:31	0.007	0.012267
189	10-May	11:04:31	0.005	0.0102
190	10-May	11:05:31	0.004	0.009867
191	10-May	11:06:31	0.005	0.009667
192	10-May	11:07:31	0.015	0.010267
193	10-May	11:08:31	0.005	0.009467
194	10-May	11:09:31	0.006	0.0092
195	10-May	11:10:31	0.004	0.0086
196	10-May	11:11:31	0.005	0.007467
197	10-May	11:12:31	0.005	0.0072
198	10-May	11:13:31	0.005	0.0068
199	10-May	11:14:31	0.004	0.006467
200	10-May	11:15:31	0.003	0.005667
201	10-May	11:16:31	0.01	0.005867
202	10-May	11:17:31	0.004	0.0058
203	10-May	11:18:31	0.003	0.005533
204	10-May	11:19:31	0.003	0.0054
205	10-May	11:20:31	0.006	0.005533
206	10-May	11:21:31	0.005	0.005533
207	10-May	11:22:31	0.004	0.0048
208	10-May	11:23:31	0.004	0.004733
209	10-May	11:24:31	0.005	0.004667
210	10-May	11:25:31	0.003	0.0046
211	10-May	11:26:31	0.004	0.004533
212	10-May	11:27:31	0.004	0.004467
213	10-May	11:28:31	0.006	0.004533
214	10-May	11:29:31	0.005	0.0046
215	10-May	11:30:31	0.006	0.0048
216	10-May	11:31:31	0.004	0.0044
217	10-May	11:32:31	0.005	0.004467

Point	Date	Time	Avg.(mg/m3)	
218	10-May	11:33:31	0.004	0.004533
219	10-May	11:34:31	0.006	0.004733
220	10-May	11:35:31	0.005	0.004667
221	10-May	11:36:31	0.006	0.004733
222	10-May	11:37:31	0.006	0.004867
223	10-May	11:38:31	0.005	0.004933
224	10-May	11:39:31	0.005	0.004933
225	10-May	11:40:31	0.005	0.005067
226	10-May	11:41:31	0.006	0.0052
227	10-May	11:42:31	0.01	0.0056
228	10-May	11:43:31	0.01	0.005867
229	10-May	11:44:31	0.01	0.0062
230	10-May	11:45:31	0.016	0.006867
231	10-May	11:46:31	0.008	0.007133
232	10-May	11:47:31	0.007	0.007267
233	10-May	11:48:31	0.01	0.007667
234	10-May	11:49:31	0.01	0.007933
235	10-May	11:50:31	0.008	0.008133
236	10-May	11:51:31	0.009	0.008333
237	10-May	11:52:31	0.007	0.0084
238	10-May	11:53:31	0.004	0.008333
239	10-May	11:54:31	0.005	0.008333
240	10-May	11:55:31	0.005	0.008333
241	10-May	11:56:31	0.004	0.0082
242	10-May	11:57:31	0.006	0.007933
243	10-May	11:58:31	0.004	0.007533
244	10-May	11:59:31	0.007	0.007333
245	10-May	12:00:31	0.026	0.008
246	10-May	12:01:31	0.011	0.0082
247	10-May	12:02:31	0.006	0.008133
248	10-May	12:03:31	0.007	0.007933
249	10-May	12:04:31	0.007	0.007733
250	10-May	12:05:31	0.004	0.007467
251	10-May	12:06:31	0.006	0.007267
252	10-May	12:07:31	0.009	0.0074
253	10-May	12:08:31	0.029	0.009067
254	10-May	12:09:31	0.03	0.010733
255	10-May	12:10:31	0.039	0.013
256	10-May	12:11:31	0.028	0.0146
257	10-May	12:12:31	0.011	0.014933
258	10-May	12:13:31	0.013	0.015533
259	10-May	12:14:31	0.006	0.015467
260	10-May	12:15:31	0.005	0.014067
261	10-May	12:16:31	0.005	0.013667
262	10-May	12:17:31	0.005	0.0136
263	10-May	12:18:31	0.015	0.014133

Point	Date	Time	Avg.(mg/m3)	
264	10-May	12:19:31	0.01	0.014333
265	10-May	12:20:31	0.016	0.015133
266	10-May	12:21:31	0.009	0.015333
267	10-May	12:22:31	0.012	0.015533
268	10-May	12:23:31	0.032	0.015733
269	10-May	12:24:31	0.011	0.014467
270	10-May	12:25:31	0.013	0.012733
271	10-May	12:26:31	0.014	0.0118
272	10-May	12:27:31	0.012	0.011867
273	10-May	12:28:31	0.025	0.012667
274	10-May	12:29:31	0.02	0.0136
275	10-May	12:30:31	0.035	0.0156
276	10-May	12:31:31	0.02	0.0166
277	10-May	12:32:31	0.039	0.018867
278	10-May	12:33:31	0.032	0.02
279	10-May	12:34:31	0.021	0.020733
280	10-May	12:35:31	0.034	0.021933
281	10-May	12:36:31	0.042	0.024133
282	10-May	12:37:31	0.042	0.026133
283	10-May	12:38:31	0.041	0.026733
284	10-May	12:39:31	0.04	0.028667
285	10-May	12:40:31	0.047	0.030933
286	10-May	12:41:31	0.026	0.031733
287	10-May	12:42:31	0.03	0.032933
288	10-May	12:43:31	0.025	0.032933
289	10-May	12:44:31	0.02	0.032933
290	10-May	12:45:31	0.023	0.032133
291	10-May	12:46:31	0.023	0.032333
292	10-May	12:47:31	0.019	0.031
293	10-May	12:48:31	0.034	0.031133
294	10-May	12:49:31	0.014	0.030667
295	10-May	12:50:31	0.013	0.029267
296	10-May	12:51:31	0.016	0.027533
297	10-May	12:52:31	0.012	0.025533
298	10-May	12:53:31	0.012	0.0236
299	10-May	12:54:31	0.008	0.021467
300	10-May	12:55:31	0.01	0.019
301	10-May	12:56:31	0.005	0.0176
302	10-May	12:57:31	0.007	0.016067
303	10-May	12:58:31	0.007	0.014867
304	10-May	12:59:31	0.006	0.013933
305	10-May	13:00:31	0.006	0.0128
306	10-May	13:01:31	0.008	0.0118
307	10-May	13:02:31	0.01	0.0112
308	10-May	13:03:31	0.008	0.009467
309	10-May	13:04:31	0.009	0.009133

Point	Date	Time	Avg.(mg/m3)	
310	10-May	13:05:31	0.008	0.0088
311	10-May	13:06:31	0.006	0.008133
312	10-May	13:07:31	0.005	0.007667
313	10-May	13:08:31	0.004	0.007133
314	10-May	13:09:31	0.003	0.0068
315	10-May	13:10:31	0.004	0.0064
316	10-May	13:11:31	0.007	0.006533
317	10-May	13:12:31	0.004	0.006333
318	10-May	13:13:31	0.005	0.0062
319	10-May	13:14:31	0.01	0.006467
320	10-May	13:15:31	0.005	0.0064
321	10-May	13:16:31	0.004	0.006133
322	10-May	13:17:31	0.009	0.006067
323	10-May	13:18:31	0.004	0.0058
324	10-May	13:19:31	0.005	0.005533
325	10-May	13:20:31	0.005	0.005333
326	10-May	13:21:31	0.004	0.0052
327	10-May	13:22:31	0.004	0.005133
328	10-May	13:23:31	0.005	0.0052
329	10-May	13:24:31	0.003	0.0052
330	10-May	13:25:31	0.005	0.005267
331	10-May	13:26:31	0.005	0.005133
332	10-May	13:27:31	0.004	0.005133
333	10-May	13:28:31	0.004	0.005067
334	10-May	13:29:31	0.004	0.004667
335	10-May	13:30:31	0.005	0.004667
336	10-May	13:31:31	0.003	0.0046
337	10-May	13:32:31	0.005	0.004333
338	10-May	13:33:31	0.003	0.004267
339	10-May	13:34:31	0.004	0.0042
340	10-May	13:35:31	0.005	0.0042
341	10-May	13:36:31	0.004	0.0042
342	10-May	13:37:31	0.004	0.0042
343	10-May	13:38:31	0.004	0.004133
344	10-May	13:39:31	0.005	0.004267
345	10-May	13:40:31	0.006	0.004333
346	10-May	13:41:31	0.005	0.004333
347	10-May	13:42:31	0.005	0.0044
348	10-May	13:43:31	0.005	0.004467
349	10-May	13:44:31	0.006	0.0046
350	10-May	13:45:31	0.005	0.0046
351	10-May	13:46:31	0.007	0.004867
352	10-May	13:47:31	0.004	0.0048
353	10-May	13:48:31	0.004	0.004867
354	10-May	13:49:31	0.005	0.004933
355	10-May	13:50:31	0.005	0.004933

Point	Date	Time	Avg.(mg/m3)	
356	10-May	13:51:31	0.004	0.004933
357	10-May	13:52:31	0.005	0.005
358	10-May	13:53:31	0.005	0.005067
359	10-May	13:54:31	0.01	0.0054
360	10-May	13:55:31	0.008	0.005533
361	10-May	13:56:31	0.008	0.005733
362	10-May	13:57:31	0.006	0.0058
363	10-May	13:58:31	0.006	0.005867
364	10-May	13:59:31	0.005	0.0058
365	10-May	14:00:31	0.011	0.0062
366	10-May	14:01:31	0.006	0.006133
367	10-May	14:02:31	0.011	0.0066
368	10-May	14:03:31	0.007	0.0068
369	10-May	14:04:31	0.005	0.0068
370	10-May	14:05:31	0.006	0.006867
371	10-May	14:06:31	0.007	0.007067
372	10-May	14:07:31	0.007	0.0072
373	10-May	14:08:31	0.006	0.007267
374	10-May	14:09:31	0.008	0.007133
375	10-May	14:10:31	0.008	0.007133
376	10-May	14:11:31	0.008	0.007133
377	10-May	14:12:31	0.007	0.0072
378	10-May	14:13:31	0.007	0.007267
379	10-May	14:14:31	0.007	0.0074
380	10-May	14:15:31	0.009	0.007267
381	10-May	14:16:31	0.007	0.007333
382	10-May	14:17:31	0.008	0.007133
383	10-May	14:18:31	0.016	0.007733
384	10-May	14:19:31	0.007	0.007867
385	10-May	14:20:31	0.006	0.007867
386	10-May	14:21:31	0.012	0.0082
387	10-May	14:22:31	0.01	0.0084
388	10-May	14:23:31	0.01	0.008667
389	10-May	14:24:31	0.017	0.009267
390	10-May	14:25:31	0.018	0.009933
391	10-May	14:26:31	0.013	0.010267
392	10-May	14:27:31	0.023	0.011333
393	10-May	14:28:31	0.026	0.0126
394	10-May	14:29:31	0.014	0.013067
395	10-May	14:30:31	0.009	0.013067
396	10-May	14:31:31	0.013	0.013467
397	10-May	14:32:31	0.01	0.0136
398	10-May	14:33:31	0.007	0.013
399	10-May	14:34:31	0.02	0.013867
400	10-May	14:35:31	0.009	0.014067
401	10-May	14:36:31	0.011	0.014

Point	Date	Time	Avg.(mg/m3)	
402	10-May	14:37:31	0.012	0.014133
403	10-May	14:38:31	0.008	0.014
404	10-May	14:39:31	0.007	0.013333
405	10-May	14:40:31	0.007	0.0126
406	10-May	14:41:31	0.011	0.012467
407	10-May	14:42:31	0.014	0.011867
408	10-May	14:43:31	0.019	0.0114
409	10-May	14:44:31	0.01	0.011133
410	10-May	14:45:31	0.019	0.0118
411	10-May	14:46:31	0.012	0.011733
412	10-May	14:47:31	0.009	0.011667
413	10-May	14:48:31	0.047	0.014333
414	10-May	14:49:31	0.013	0.013867
415	10-May	14:50:31	0.013	0.014133
416	10-May	14:51:31	0.014	0.014333
417	10-May	14:52:31	0.008	0.014067
418	10-May	14:53:31	0.011	0.014267
419	10-May	14:54:31	0.009	0.0144
420	10-May	14:55:31	0.008	0.014467
421	10-May	14:56:31	0.009	0.014333
422	10-May	14:57:31	0.014	0.014333
423	10-May	14:58:31	0.007	0.013533
424	10-May	14:59:31	0.009	0.013467
425	10-May	15:00:31	0.01	0.012867
426	10-May	15:01:31	0.008	0.0126
427	10-May	15:02:31	0.007	0.012467
428	10-May	15:03:31	0.008	0.009867
429	10-May	15:04:31	0.012	0.0098
430	10-May	15:05:31	0.009	0.009533
431	10-May	15:06:31	0.027	0.0104
432	10-May	15:07:31	0.014	0.0108
433	10-May	15:08:31	0.01	0.010733
434	10-May	15:09:31	0.011	0.010867
435	10-May	15:10:31	0.008	0.010867
436	10-May	15:11:31	0.013	0.011133
437	10-May	15:12:31	0.011	0.010933
438	10-May	15:13:31	0.008	0.011
439	10-May	15:14:31	0.007	0.010867
440	10-May	15:15:31	0.019	0.011467
441	10-May	15:16:31	0.036	0.013333
442	10-May	15:17:31	0.043	0.015733
443	10-May	15:18:31	0.052	0.018667
444	10-May	15:19:31	0.065	0.0222
				0.032933

pDR
Tag Number: 09
Number of logged points: 419
Start time and date: 07:49:36 11-May
Elapsed time: 06:59:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.112 mg/m3
Time at maximum: 12:50:32 May 11
Max STEL Concentration: 0.026 mg/m3
Time at max STEL: 09:11:06 May 11
Overall Avg Conc: 0.007 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)
1	11-May	07:50:36	0.001
2	11-May	07:51:36	0.003
3	11-May	07:52:36	0.002
4	11-May	07:53:36	0.001
5	11-May	07:54:36	0.001
6	11-May	07:55:36	0.001
7	11-May	07:56:36	0.001
8	11-May	07:57:36	0.001
9	11-May	07:58:36	0.001
10	11-May	07:59:36	0.002
11	11-May	08:00:36	0.001
12	11-May	08:01:36	0.001
13	11-May	08:02:36	0.002
14	11-May	08:03:36	0.003
15	11-May	08:04:36	0.002
16	11-May	08:05:36	0.004
17	11-May	08:06:36	0.001
18	11-May	08:07:36	0.002
19	11-May	08:08:36	0.001
20	11-May	08:09:36	0.001
21	11-May	08:10:36	0.001
22	11-May	08:11:36	0.001
23	11-May	08:12:36	0
24	11-May	08:13:36	0.001
25	11-May	08:14:36	0.002
26	11-May	08:15:36	0.003
27	11-May	08:16:36	0.002
28	11-May	08:17:36	0.002
29	11-May	08:18:36	0.001
30	11-May	08:19:36	0.006
31	11-May	08:20:36	0.002
32	11-May	08:21:36	0.002
33	11-May	08:22:36	0.002

Point	Date	Time	Avg.(mg/m3)
34	11-May	08:23:36	0.001
35	11-May	08:24:36	0.002
36	11-May	08:25:36	0.002
37	11-May	08:26:36	0.002
38	11-May	08:27:36	0.007
39	11-May	08:28:36	0.003
40	11-May	08:29:36	0.003
41	11-May	08:30:36	0.003
42	11-May	08:31:36	0.003
43	11-May	08:32:36	0.001
44	11-May	08:33:36	0.006
45	11-May	08:34:36	0.001
46	11-May	08:35:36	0.002
47	11-May	08:36:36	0.004
48	11-May	08:37:36	0.003
49	11-May	08:38:36	0.004
50	11-May	08:39:36	0.002
51	11-May	08:40:36	0.001
52	11-May	08:41:36	0.002
53	11-May	08:42:36	0.001
54	11-May	08:43:36	0.001
55	11-May	08:44:36	0.001
56	11-May	08:45:36	0.003
57	11-May	08:46:36	0.001
58	11-May	08:47:36	0.009
59	11-May	08:48:36	0.002
60	11-May	08:49:36	0.003
61	11-May	08:50:36	0.003
62	11-May	08:51:36	0.005
63	11-May	08:52:36	0.01
64	11-May	08:53:36	0.014
65	11-May	08:54:36	0.016
66	11-May	08:55:36	0.018
67	11-May	08:56:36	0.018
68	11-May	08:57:36	0.028
69	11-May	08:58:36	0.016
70	11-May	08:59:36	0.029
71	11-May	09:00:36	0.035
72	11-May	09:01:36	0.031
73	11-May	09:02:36	0.037
74	11-May	09:03:36	0.032
75	11-May	09:04:36	0.026
76	11-May	09:05:36	0.029
77	11-May	09:06:36	0.02
78	11-May	09:07:36	0.018
79	11-May	09:08:36	0.022

Point	Date	Time	Avg.(mg/m3)
80	11-May	09:09:36	0.021
81	11-May	09:10:36	0.017
82	11-May	09:11:36	0.021
83	11-May	09:12:36	0.018
84	11-May	09:13:36	0.02
85	11-May	09:14:36	0.014
86	11-May	09:15:36	0.013
87	11-May	09:16:36	0.014
88	11-May	09:17:36	0.01
89	11-May	09:18:36	0.012
90	11-May	09:19:36	0.013
91	11-May	09:20:36	0.014
92	11-May	09:21:36	0.01
93	11-May	09:22:36	0.01
94	11-May	09:23:36	0.012
95	11-May	09:24:36	0.015
96	11-May	09:25:36	0.01
97	11-May	09:26:36	0.01
98	11-May	09:27:36	0.012
99	11-May	09:28:36	0.009
100	11-May	09:29:36	0.008
101	11-May	09:30:36	0.009
102	11-May	09:31:36	0.011
103	11-May	09:32:36	0.009
104	11-May	09:33:36	0.007
105	11-May	09:34:36	0.008
106	11-May	09:35:36	0.012
107	11-May	09:36:36	0.007
108	11-May	09:37:36	0.007
109	11-May	09:38:36	0.007
110	11-May	09:39:36	0.007
111	11-May	09:40:36	0.006
112	11-May	09:41:36	0.009
113	11-May	09:42:36	0.008
114	11-May	09:43:36	0.009
115	11-May	09:44:36	0.006
116	11-May	09:45:36	0.006
117	11-May	09:46:36	0.008
118	11-May	09:47:36	0.006
119	11-May	09:48:36	0.005
120	11-May	09:49:36	0.008
121	11-May	09:50:36	0.008
122	11-May	09:51:36	0.007
123	11-May	09:52:36	0.006
124	11-May	09:53:36	0.007
125	11-May	09:54:36	0.006

Point	Date	Time	Avg.(mg/m3)
126	11-May	09:55:36	0.008
127	11-May	09:56:36	0.006
128	11-May	09:57:36	0.007
129	11-May	09:58:36	0.005
130	11-May	09:59:36	0.007
131	11-May	10:00:36	0.005
132	11-May	10:01:36	0.005
133	11-May	10:02:36	0.006
134	11-May	10:03:36	0.004
135	11-May	10:04:36	0.004
136	11-May	10:05:36	0.004
137	11-May	10:06:36	0.005
138	11-May	10:07:36	0.005
139	11-May	10:08:36	0.004
140	11-May	10:09:36	0.003
141	11-May	10:10:36	0.004
142	11-May	10:11:36	0.004
143	11-May	10:12:36	0.006
144	11-May	10:13:36	0.005
145	11-May	10:14:36	0.007
146	11-May	10:15:36	0.004
147	11-May	10:16:36	0.004
148	11-May	10:17:36	0.004
149	11-May	10:18:36	0.005
150	11-May	10:19:36	0.003
151	11-May	10:20:36	0.004
152	11-May	10:21:36	0.003
153	11-May	10:22:36	0.006
154	11-May	10:23:36	0.003
155	11-May	10:24:36	0.003
156	11-May	10:25:36	0.003
157	11-May	10:26:36	0.004
158	11-May	10:27:36	0.003
159	11-May	10:28:36	0.004
160	11-May	10:29:36	0.002
161	11-May	10:30:36	0.002
162	11-May	10:31:36	0.004
163	11-May	10:32:36	0.004
164	11-May	10:33:36	0.005
165	11-May	10:34:36	0.003
166	11-May	10:35:36	0.002
167	11-May	10:36:36	0.005
168	11-May	10:37:36	0.003
169	11-May	10:38:36	0.002
170	11-May	10:39:36	0.005
171	11-May	10:40:36	0.004

Point	Date	Time	Avg.(mg/m3)
172	11-May	10:41:36	0.005
173	11-May	10:42:36	0.003
174	11-May	10:43:36	0.003
175	11-May	10:44:36	0.005
176	11-May	10:45:36	0.002
177	11-May	10:46:36	0.004
178	11-May	10:47:36	0.001
179	11-May	10:48:36	0.003
180	11-May	10:49:36	0.003
181	11-May	10:50:36	0.003
182	11-May	10:51:36	0.003
183	11-May	10:52:36	0.002
184	11-May	10:53:36	0.005
185	11-May	10:54:36	0.003
186	11-May	10:55:36	0.004
187	11-May	10:56:36	0.002
188	11-May	10:57:36	0.003
189	11-May	10:58:36	0.004
190	11-May	10:59:36	0.006
191	11-May	11:00:36	0.007
192	11-May	11:01:36	0.006
193	11-May	11:02:36	0.004
194	11-May	11:03:36	0.003
195	11-May	11:04:36	0.003
196	11-May	11:05:36	0.002
197	11-May	11:06:36	0.003
198	11-May	11:07:36	0.002
199	11-May	11:08:36	0.002
200	11-May	11:09:36	0.003
201	11-May	11:10:36	0.002
202	11-May	11:11:36	0.002
203	11-May	11:12:36	0.004
204	11-May	11:13:36	0.003
205	11-May	11:14:36	0.003
206	11-May	11:15:36	0.003
207	11-May	11:16:36	0.002
208	11-May	11:17:36	0.003
209	11-May	11:18:36	0.002
210	11-May	11:19:36	0.002
211	11-May	11:20:36	0.002
212	11-May	11:21:36	0.003
213	11-May	11:22:36	0.002
214	11-May	11:23:36	0.002
215	11-May	11:24:36	0.002
216	11-May	11:25:36	0.004
217	11-May	11:26:36	0.002

Point	Date	Time	Avg.(mg/m3)
218	11-May	11:27:36	0.004
219	11-May	11:28:36	0.003
220	11-May	11:29:36	0.004
221	11-May	11:30:36	0.004
222	11-May	11:31:36	0.014
223	11-May	11:32:36	0.008
224	11-May	11:33:36	0.005
225	11-May	11:34:36	0.008
226	11-May	11:35:36	0.008
227	11-May	11:36:36	0.004
228	11-May	11:37:36	0.006
229	11-May	11:38:36	0.006
230	11-May	11:39:36	0.005
231	11-May	11:40:36	0.008
232	11-May	11:41:36	0.004
233	11-May	11:42:36	0.005
234	11-May	11:43:36	0.006
235	11-May	11:44:36	0.006
236	11-May	11:45:36	0.005
237	11-May	11:46:36	0.005
238	11-May	11:47:36	0.006
239	11-May	11:48:36	0.006
240	11-May	11:49:36	0.007
241	11-May	11:50:36	0.007
242	11-May	11:51:36	0.008
243	11-May	11:52:36	0.006
244	11-May	11:53:36	0.006
245	11-May	11:54:36	0.007
246	11-May	11:55:36	0.009
247	11-May	11:56:36	0.007
248	11-May	11:57:36	0.006
249	11-May	11:58:36	0.006
250	11-May	11:59:36	0.011
251	11-May	12:00:36	0.01
252	11-May	12:01:36	0.01
253	11-May	12:02:36	0.011
254	11-May	12:03:36	0.009
255	11-May	12:04:36	0.01
256	11-May	12:05:36	0.008
257	11-May	12:06:36	0.01
258	11-May	12:07:36	0.008
259	11-May	12:08:36	0.007
260	11-May	12:09:36	0.009
261	11-May	12:10:36	0.008
262	11-May	12:11:36	0.008
263	11-May	12:12:36	0.009

Point	Date	Time	Avg.(mg/m3)
264	11-May	12:13:36	0.009
265	11-May	12:14:36	0.012
266	11-May	12:15:36	0.011
267	11-May	12:16:36	0.009
268	11-May	12:17:36	0.011
269	11-May	12:18:36	0.01
270	11-May	12:19:36	0.008
271	11-May	12:20:36	0.007
272	11-May	12:21:36	0.008
273	11-May	12:22:36	0.006
274	11-May	12:23:36	0.009
275	11-May	12:24:36	0.011
276	11-May	12:25:36	0.008
277	11-May	12:26:36	0.01
278	11-May	12:27:36	0.012
279	11-May	12:28:36	0.01
280	11-May	12:29:36	0.008
281	11-May	12:30:36	0.01
282	11-May	12:31:36	0.007
283	11-May	12:32:36	0.007
284	11-May	12:33:36	0.008
285	11-May	12:34:36	0.008
286	11-May	12:35:36	0.01
287	11-May	12:36:36	0.009
288	11-May	12:37:36	0.011
289	11-May	12:38:36	0.009
290	11-May	12:39:36	0.009
291	11-May	12:40:36	0.01
292	11-May	12:41:36	0.007
293	11-May	12:42:36	0.008
294	11-May	12:43:36	0.012
295	11-May	12:44:36	0.007
296	11-May	12:45:36	0.008
297	11-May	12:46:36	0.007
298	11-May	12:47:36	0.007
299	11-May	12:48:36	0.015
300	11-May	12:49:36	0.012
301	11-May	12:50:36	0.027
302	11-May	12:51:36	0.009
303	11-May	12:52:36	0.011
304	11-May	12:53:36	0.008
305	11-May	12:54:36	0.009
306	11-May	12:55:36	0.012
307	11-May	12:56:36	0.009
308	11-May	12:57:36	0.008
309	11-May	12:58:36	0.009

Point	Date	Time	Avg.(mg/m3)
310	11-May	12:59:36	0.008
311	11-May	13:00:36	0.008
312	11-May	13:01:36	0.008
313	11-May	13:02:36	0.011
314	11-May	13:03:36	0.009
315	11-May	13:04:36	0.011
316	11-May	13:05:36	0.01
317	11-May	13:06:36	0.008
318	11-May	13:07:36	0.008
319	11-May	13:08:36	0.012
320	11-May	13:09:36	0.01
321	11-May	13:10:36	0.008
322	11-May	13:11:36	0.008
323	11-May	13:12:36	0.011
324	11-May	13:13:36	0.01
325	11-May	13:14:36	0.009
326	11-May	13:15:36	0.011
327	11-May	13:16:36	0.01
328	11-May	13:17:36	0.009
329	11-May	13:18:36	0.009
330	11-May	13:19:36	0.01
331	11-May	13:20:36	0.011
332	11-May	13:21:36	0.01
333	11-May	13:22:36	0.011
334	11-May	13:23:36	0.008
335	11-May	13:24:36	0.009
336	11-May	13:25:36	0.009
337	11-May	13:26:36	0.01
338	11-May	13:27:36	0.009
339	11-May	13:28:36	0.008
340	11-May	13:29:36	0.007
341	11-May	13:30:36	0.008
342	11-May	13:31:36	0.008
343	11-May	13:32:36	0.009
344	11-May	13:33:36	0.01
345	11-May	13:34:36	0.007
346	11-May	13:35:36	0.009
347	11-May	13:36:36	0.008
348	11-May	13:37:36	0.006
349	11-May	13:38:36	0.007
350	11-May	13:39:36	0.007
351	11-May	13:40:36	0.007
352	11-May	13:41:36	0.007
353	11-May	13:42:36	0.007
354	11-May	13:43:36	0.007
355	11-May	13:44:36	0.008

Point	Date	Time	Avg.(mg/m3)
356	11-May	13:45:36	0.006
357	11-May	13:46:36	0.006
358	11-May	13:47:36	0.007
359	11-May	13:48:36	0.009
360	11-May	13:49:36	0.007
361	11-May	13:50:36	0.009
362	11-May	13:51:36	0.009
363	11-May	13:52:36	0.007
364	11-May	13:53:36	0.006
365	11-May	13:54:36	0.008
366	11-May	13:55:36	0.006
367	11-May	13:56:36	0.007
368	11-May	13:57:36	0.007
369	11-May	13:58:36	0.005
370	11-May	13:59:36	0.006
371	11-May	14:00:36	0.007
372	11-May	14:01:36	0.006
373	11-May	14:02:36	0.011
374	11-May	14:03:36	0.009
375	11-May	14:04:36	0.008
376	11-May	14:05:36	0.008
377	11-May	14:06:36	0.008
378	11-May	14:07:36	0.007
379	11-May	14:08:36	0.01
380	11-May	14:09:36	0.011
381	11-May	14:10:36	0.007
382	11-May	14:11:36	0.007
383	11-May	14:12:36	0.007
384	11-May	14:13:36	0.008
385	11-May	14:14:36	0.006
386	11-May	14:15:36	0.015
387	11-May	14:16:36	0.008
388	11-May	14:17:36	0.007
389	11-May	14:18:36	0.008
390	11-May	14:19:36	0.016
391	11-May	14:20:36	0.012
392	11-May	14:21:36	0.018
393	11-May	14:22:36	0.012
394	11-May	14:23:36	0.013
395	11-May	14:24:36	0.009
396	11-May	14:25:36	0.008
397	11-May	14:26:36	0.011
398	11-May	14:27:36	0.011
399	11-May	14:28:36	0.008
400	11-May	14:29:36	0.013
401	11-May	14:30:36	0.011

Point	Date	Time	Avg.(mg/m3)
402	11-May	14:31:36	0.009
403	11-May	14:32:36	0.013
404	11-May	14:33:36	0.01
405	11-May	14:34:36	0.01
406	11-May	14:35:36	0.008
407	11-May	14:36:36	0.008
408	11-May	14:37:36	0.007
409	11-May	14:38:36	0.013
410	11-May	14:39:36	0.016
411	11-May	14:40:36	0.01
412	11-May	14:41:36	0.011
413	11-May	14:42:36	0.009
414	11-May	14:43:36	0.009
415	11-May	14:44:36	0.008
416	11-May	14:45:36	0.008
417	11-May	14:46:36	0.009
418	11-May	14:47:36	0.009
419	11-May	14:48:36	0.007

pDR
Tag Number: 10
Number of logged points: 233
Start time and date: 08:27:34 12-May
Elapsed time: 03:53:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.064 mg/m3
Time at maximum: 11:51:39 May 12
Max STEL Concentration: 0.003 mg/m3
Time at max STEL: 08:40:04 May 12
Overall Avg Conc: 0.002 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)
1	12-May	08:28:34	0.004
2	12-May	08:29:34	0.002
3	12-May	08:30:34	0.002
4	12-May	08:31:34	0.002
5	12-May	08:32:34	0.004
6	12-May	08:33:34	0.003
7	12-May	08:34:34	0.003
8	12-May	08:35:34	0.005
9	12-May	08:36:34	0.002
10	12-May	08:37:34	0.003
11	12-May	08:38:34	0.002
12	12-May	08:39:34	0.002
13	12-May	08:40:34	0.004
14	12-May	08:41:34	0.002
15	12-May	08:42:34	0.002
16	12-May	08:43:34	0.003
17	12-May	08:44:34	0.002
18	12-May	08:45:34	0.002
19	12-May	08:46:34	0.002
20	12-May	08:47:34	0.003
21	12-May	08:48:34	0.002
22	12-May	08:49:34	0.001
23	12-May	08:50:34	0.002
24	12-May	08:51:34	0.001
25	12-May	08:52:34	0.001
26	12-May	08:53:34	0.001
27	12-May	08:54:34	0.002
28	12-May	08:55:34	0.001
29	12-May	08:56:34	0
30	12-May	08:57:34	0.002
31	12-May	08:58:34	0.001
32	12-May	08:59:34	0.002
33	12-May	09:00:34	0.002

Point	Date	Time	Avg.(mg/m3)
34	12-May	09:01:34	0.002
35	12-May	09:02:34	0.006
36	12-May	09:03:34	0.005
37	12-May	09:04:34	0.001
38	12-May	09:05:34	0.003
39	12-May	09:06:34	0
40	12-May	09:07:34	0
41	12-May	09:08:34	0
42	12-May	09:09:34	0.002
43	12-May	09:10:34	0.001
44	12-May	09:11:34	0.001
45	12-May	09:12:34	0.001
46	12-May	09:13:34	0
47	12-May	09:14:34	0.001
48	12-May	09:15:34	0.003
49	12-May	09:16:34	0.001
50	12-May	09:17:34	0.001
51	12-May	09:18:34	0.001
52	12-May	09:19:34	0
53	12-May	09:20:34	0.002
54	12-May	09:21:34	0.004
55	12-May	09:22:34	0.001
56	12-May	09:23:34	0.002
57	12-May	09:24:34	0.002
58	12-May	09:25:34	0.006
59	12-May	09:26:34	0.001
60	12-May	09:27:34	0.001
61	12-May	09:28:34	0.006
62	12-May	09:29:34	0.001
63	12-May	09:30:34	0
64	12-May	09:31:34	0
65	12-May	09:32:34	0.001
66	12-May	09:33:34	0.003
67	12-May	09:34:34	0.001
68	12-May	09:35:34	0.004
69	12-May	09:36:34	0.001
70	12-May	09:37:34	0.005
71	12-May	09:38:34	0.004
72	12-May	09:39:34	0.002
73	12-May	09:40:34	0.001
74	12-May	09:41:34	0.001
75	12-May	09:42:34	0.001
76	12-May	09:43:34	0.007
77	12-May	09:44:34	0
78	12-May	09:45:34	0.007
79	12-May	09:46:34	0

Point	Date	Time	Avg.(mg/m3)
80	12-May	09:47:34	0.001
81	12-May	09:48:34	0.001
82	12-May	09:49:34	0.002
83	12-May	09:50:34	0.003
84	12-May	09:51:34	0.002
85	12-May	09:52:34	0
86	12-May	09:53:34	0.004
87	12-May	09:54:34	0.001
88	12-May	09:55:34	0.007
89	12-May	09:56:34	0.001
90	12-May	09:57:34	0.001
91	12-May	09:58:34	0.003
92	12-May	09:59:34	0.004
93	12-May	10:00:34	0.001
94	12-May	10:01:34	0
95	12-May	10:02:34	0.001
96	12-May	10:03:34	0.002
97	12-May	10:04:34	0.002
98	12-May	10:05:34	0.002
99	12-May	10:06:34	0
100	12-May	10:07:34	0.001
101	12-May	10:08:34	0.003
102	12-May	10:09:34	0
103	12-May	10:10:34	0
104	12-May	10:11:34	0.006
105	12-May	10:12:34	0.001
106	12-May	10:13:34	0
107	12-May	10:14:34	0.001
108	12-May	10:15:34	0
109	12-May	10:16:34	0
110	12-May	10:17:34	0
111	12-May	10:18:34	0.003
112	12-May	10:19:34	0.004
113	12-May	10:20:34	0
114	12-May	10:21:34	0
115	12-May	10:22:34	0
116	12-May	10:23:34	0.001
117	12-May	10:24:34	0.011
118	12-May	10:25:34	0.001
119	12-May	10:26:34	0.002
120	12-May	10:27:34	0.001
121	12-May	10:28:34	0
122	12-May	10:29:34	0
123	12-May	10:30:34	0
124	12-May	10:31:34	0.002
125	12-May	10:32:34	0.001

Point	Date	Time	Avg.(mg/m3)
126	12-May	10:33:34	0
127	12-May	10:34:34	0.003
128	12-May	10:35:34	0.003
129	12-May	10:36:34	0.001
130	12-May	10:37:34	0
131	12-May	10:38:34	0.001
132	12-May	10:39:34	0.001
133	12-May	10:40:34	0
134	12-May	10:41:34	0
135	12-May	10:42:34	0.003
136	12-May	10:43:34	0
137	12-May	10:44:34	0.002
138	12-May	10:45:34	0.003
139	12-May	10:46:34	0.006
140	12-May	10:47:34	0.001
141	12-May	10:48:34	0
142	12-May	10:49:34	0.003
143	12-May	10:50:34	0.001
144	12-May	10:51:34	0.001
145	12-May	10:52:34	0.002
146	12-May	10:53:34	0
147	12-May	10:54:34	0
148	12-May	10:55:34	0
149	12-May	10:56:34	0.002
150	12-May	10:57:34	0.003
151	12-May	10:58:34	0
152	12-May	10:59:34	0.002
153	12-May	11:00:34	0.004
154	12-May	11:01:34	0
155	12-May	11:02:34	0
156	12-May	11:03:34	0.005
157	12-May	11:04:34	0.001
158	12-May	11:05:34	0.001
159	12-May	11:06:34	0.005
160	12-May	11:07:34	0.004
161	12-May	11:08:34	0.003
162	12-May	11:09:34	0.009
163	12-May	11:10:34	0
164	12-May	11:11:34	0
165	12-May	11:12:34	0.005
166	12-May	11:13:34	0
167	12-May	11:14:34	0.002
168	12-May	11:15:34	0.004
169	12-May	11:16:34	0
170	12-May	11:17:34	0
171	12-May	11:18:34	0

Point	Date	Time	Avg.(mg/m3)
172	12-May	11:19:34	0
173	12-May	11:20:34	0
174	12-May	11:21:34	0
175	12-May	11:22:34	0.002
176	12-May	11:23:34	0.003
177	12-May	11:24:34	0
178	12-May	11:25:34	0
179	12-May	11:26:34	0
180	12-May	11:27:34	0.002
181	12-May	11:28:34	0
182	12-May	11:29:34	0.001
183	12-May	11:30:34	0
184	12-May	11:31:34	0
185	12-May	11:32:34	0
186	12-May	11:33:34	0
187	12-May	11:34:34	0
188	12-May	11:35:34	0.001
189	12-May	11:36:34	0.011
190	12-May	11:37:34	0.002
191	12-May	11:38:34	0
192	12-May	11:39:34	0.002
193	12-May	11:40:34	0.001
194	12-May	11:41:34	0
195	12-May	11:42:34	0
196	12-May	11:43:34	0.002
197	12-May	11:44:34	0
198	12-May	11:45:34	0
199	12-May	11:46:34	0.001
200	12-May	11:47:34	0
201	12-May	11:48:34	0.001
202	12-May	11:49:34	0
203	12-May	11:50:34	0.001
204	12-May	11:51:34	0.008
205	12-May	11:52:34	0.007
206	12-May	11:53:34	0.001
207	12-May	11:54:34	0
208	12-May	11:55:34	0
209	12-May	11:56:34	0.004
210	12-May	11:57:34	0.001
211	12-May	11:58:34	0.001
212	12-May	11:59:34	0.002
213	12-May	12:00:34	0.001
214	12-May	12:01:34	0
215	12-May	12:02:34	0.001
216	12-May	12:03:34	0.001
217	12-May	12:04:34	0

Point	Date	Time	Avg.(mg/m3)
218	12-May	12:05:34	0
219	12-May	12:06:34	0.002
220	12-May	12:07:34	0
221	12-May	12:08:34	0
222	12-May	12:09:34	0.001
223	12-May	12:10:34	0
224	12-May	12:11:34	0.001
225	12-May	12:12:34	0
226	12-May	12:13:34	0
227	12-May	12:14:34	0.003
228	12-May	12:15:34	0.002
229	12-May	12:16:34	0
230	12-May	12:17:34	0.001
231	12-May	12:18:34	0
232	12-May	12:19:34	0.01
233	12-May	12:20:34	0

pDR
Tag Number: 11
Number of logged points: 305
Start time and date: 09:10:01 13-May
Elapsed time: 05:05:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 5.728 mg/m3
Time at maximum: 11:16:46 May 13
Max STEL Concentration: 0.217 mg/m3
Time at max STEL: 11:31:31 May 13
Overall Avg Conc: 0.029 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)	
1	13-May	09:11:01	0.002	
2	13-May	09:12:01	0.003	
3	13-May	09:13:01	0.003	
4	13-May	09:14:01	0.003	
5	13-May	09:15:01	0.002	
6	13-May	09:16:01	0.002	
7	13-May	09:17:01	0.002	
8	13-May	09:18:01	0	
9	13-May	09:19:01	0.001	
10	13-May	09:20:01	0.002	
11	13-May	09:21:01	0.002	
12	13-May	09:22:01	0.001	
13	13-May	09:23:01	0.001	
14	13-May	09:24:01	0.002	
15	13-May	09:25:01	0.002	0.001867
16	13-May	09:26:01	0.002	0.001867
17	13-May	09:27:01	0.001	0.001733
18	13-May	09:28:01	0.001	0.0016
19	13-May	09:29:01	0.001	0.001467
20	13-May	09:30:01	0.001	0.0014
21	13-May	09:31:01	0.002	0.0014
22	13-May	09:32:01	0.001	0.001333
23	13-May	09:33:01	0.003	0.001533
24	13-May	09:34:01	0.001	0.001533
25	13-May	09:35:01	0.001	0.001467
26	13-May	09:36:01	0	0.001333
27	13-May	09:37:01	0.001	0.001333
28	13-May	09:38:01	0.003	0.001467
29	13-May	09:39:01	0.003	0.001533
30	13-May	09:40:01	0.003	0.0016
31	13-May	09:41:01	0.001	0.001533
32	13-May	09:42:01	0.002	0.0016
33	13-May	09:43:01	0.003	0.001733

Point	Date	Time	Avg.(mg/m3)	
34	13-May	09:44:01	0.002	0.0018
35	13-May	09:45:01	0.001	0.0018
36	13-May	09:46:01	0.001	0.001733
37	13-May	09:47:01	0.003	0.001867
38	13-May	09:48:01	0.001	0.001733
39	13-May	09:49:01	0.001	0.001733
40	13-May	09:50:01	0.003	0.001867
41	13-May	09:51:01	0.001	0.001933
42	13-May	09:52:01	0.001	0.001933
43	13-May	09:53:01	0.001	0.0018
44	13-May	09:54:01	0.001	0.001667
45	13-May	09:55:01	0	0.001467
46	13-May	09:56:01	0	0.0014
47	13-May	09:57:01	0.002	0.0014
48	13-May	09:58:01	0.001	0.001267
49	13-May	09:59:01	0.001	0.0012
50	13-May	10:00:01	0.001	0.0012
51	13-May	10:01:01	0.001	0.0012
52	13-May	10:02:01	0.002	0.001133
53	13-May	10:03:01	0.002	0.0012
54	13-May	10:04:01	0	0.001133
55	13-May	10:05:01	0.004	0.0012
56	13-May	10:06:01	0.001	0.0012
57	13-May	10:07:01	0	0.001133
58	13-May	10:08:01	0.003	0.001267
59	13-May	10:09:01	0.002	0.001333
60	13-May	10:10:01	0.009	0.001933
61	13-May	10:11:01	0.002	0.002067
62	13-May	10:12:01	0	0.001933
63	13-May	10:13:01	0.002	0.002
64	13-May	10:14:01	0.003	0.002133
65	13-May	10:15:01	0.001	0.002133
66	13-May	10:16:01	0.001	0.002133
67	13-May	10:17:01	0.003	0.0022
68	13-May	10:18:01	0.004	0.002333
69	13-May	10:19:01	0.015	0.003333
70	13-May	10:20:01	0.002	0.0032
71	13-May	10:21:01	0	0.003133
72	13-May	10:22:01	0.001	0.0032
73	13-May	10:23:01	0	0.003
74	13-May	10:24:01	0.004	0.003133
75	13-May	10:25:01	0.001	0.0026
76	13-May	10:26:01	0.001	0.002533
77	13-May	10:27:01	0	0.002533
78	13-May	10:28:01	0.001	0.002467
79	13-May	10:29:01	0.004	0.002533

Point	Date	Time	Avg.(mg/m3)	
80	13-May	10:30:01	0.003	0.002667
81	13-May	10:31:01	0	0.0026
82	13-May	10:32:01	0.005	0.002733
83	13-May	10:33:01	0.001	0.002533
84	13-May	10:34:01	0.002	0.001667
85	13-May	10:35:01	0.003	0.001733
86	13-May	10:36:01	0.001	0.0018
87	13-May	10:37:01	0.001	0.0018
88	13-May	10:38:01	0.002	0.001933
89	13-May	10:39:01	0.002	0.0018
90	13-May	10:40:01	0.001	0.0018
91	13-May	10:41:01	0.001	0.0018
92	13-May	10:42:01	0.001	0.001867
93	13-May	10:43:01	0	0.0018
94	13-May	10:44:01	0.001	0.0016
95	13-May	10:45:01	0.002	0.001533
96	13-May	10:46:01	0.005	0.001867
97	13-May	10:47:01	0.004	0.0018
98	13-May	10:48:01	0.001	0.0018
99	13-May	10:49:01	0.002	0.0018
100	13-May	10:50:01	0.003	0.0018
101	13-May	10:51:01	0.005	0.002067
102	13-May	10:52:01	0.002	0.002133
103	13-May	10:53:01	0	0.002
104	13-May	10:54:01	0.001	0.001933
105	13-May	10:55:01	0.001	0.001933
106	13-May	10:56:01	0.001	0.001933
107	13-May	10:57:01	0.001	0.001933
108	13-May	10:58:01	0	0.001933
109	13-May	10:59:01	0.004	0.002133
110	13-May	11:00:01	0.002	0.002133
111	13-May	11:01:01	0	0.0018
112	13-May	11:02:01	0.006	0.001933
113	13-May	11:03:01	0.002	0.002
114	13-May	11:04:01	0.001	0.001933
115	13-May	11:05:01	0.001	0.0018
116	13-May	11:06:01	0.002	0.0016
117	13-May	11:07:01	0.006	0.001867
118	13-May	11:08:01	0.001	0.001933
119	13-May	11:09:01	0.003	0.002067
120	13-May	11:10:01	0.002	0.002133
121	13-May	11:11:01	0.003	0.002267
122	13-May	11:12:01	0.004	0.002467
123	13-May	11:13:01	0	0.002467
124	13-May	11:14:01	0.008	0.002733
125	13-May	11:15:01	0.003	0.0028

Point	Date	Time	Avg.(mg/m3)	
126	13-May	11:16:01	0.006	0.0032
127	13-May	11:17:01	1.109	0.076733
128	13-May	11:18:01	0.704	0.123533
129	13-May	11:19:01	0.361	0.147533
130	13-May	11:20:01	0.381	0.172867
131	13-May	11:21:01	0.098	0.179267
132	13-May	11:22:01	0.078	0.184067
133	13-May	11:23:01	0.08	0.189333
134	13-May	11:24:01	0.015	0.190133
135	13-May	11:25:01	0.019	0.191267
136	13-May	11:26:01	0.016	0.192133
137	13-May	11:27:01	0.011	0.1926
138	13-May	11:28:01	0.019	0.193867
139	13-May	11:29:01	0.006	0.193733
140	13-May	11:30:01	0.006	0.193933
141	13-May	11:31:01	0.205	0.2072
142	13-May	11:32:01	0.316	0.154333
143	13-May	11:33:01	0.289	0.126667
144	13-May	11:34:01	0.34	0.125267
145	13-May	11:35:01	0.424	0.128133
146	13-May	11:36:01	0.444	0.1512
147	13-May	11:37:01	0.366	0.1704
148	13-May	11:38:01	0.261	0.182467
149	13-May	11:39:01	0.255	0.198467
150	13-May	11:40:01	0.048	0.2004
151	13-May	11:41:01	0.017	0.200467
152	13-May	11:42:01	0.014	0.200667
153	13-May	11:43:01	0.009	0.2
154	13-May	11:44:01	0.04	0.202267
155	13-May	11:45:01	0.029	0.2038
156	13-May	11:46:01	0.009	0.190733
157	13-May	11:47:01	0.013	0.170533
158	13-May	11:48:01	0.018	0.152467
159	13-May	11:49:01	0.013	0.130667
160	13-May	11:50:01	0.018	0.1036
161	13-May	11:51:01	0.038	0.076533
162	13-May	11:52:01	0.073	0.057
163	13-May	11:53:01	0.066	0.044
164	13-May	11:54:01	0.041	0.029733
165	13-May	11:55:01	0.012	0.027333
166	13-May	11:56:01	0.029	0.028133
167	13-May	11:57:01	0.026	0.028933
168	13-May	11:58:01	0.091	0.0344
169	13-May	11:59:01	0.019	0.033
170	13-May	12:00:01	0.03	0.033067
171	13-May	12:01:01	0.022	0.033933

Point	Date	Time	Avg.(mg/m3)	
172	13-May	12:02:01	0.015	0.034067
173	13-May	12:03:01	0.011	0.0336
174	13-May	12:04:01	0.009	0.033333
175	13-May	12:05:01	0.005	0.032467
176	13-May	12:06:01	0.007	0.0304
177	13-May	12:07:01	0.004	0.0258
178	13-May	12:08:01	0.007	0.021867
179	13-May	12:09:01	0.264	0.036733
180	13-May	12:10:01	0.032	0.038067
181	13-May	12:11:01	0	0.036133
182	13-May	12:12:01	0	0.0344
183	13-May	12:13:01	0.001	0.0284
184	13-May	12:14:01	0	0.027133
185	13-May	12:15:01	0.009	0.025733
186	13-May	12:16:01	0	0.024267
187	13-May	12:17:01	0	0.023267
188	13-May	12:18:01	0	0.022533
189	13-May	12:19:01	0.001	0.022
190	13-May	12:20:01	0.008	0.0222
191	13-May	12:21:01	0.003	0.021933
192	13-May	12:22:01	0.004	0.021933
193	13-May	12:23:01	0.01	0.022133
194	13-May	12:24:01	0.008	0.005067
195	13-May	12:25:01	0.005	0.003267
196	13-May	12:26:01	0.003	0.003467
197	13-May	12:27:01	0.015	0.004467
198	13-May	12:28:01	0.01	0.005067
199	13-May	12:29:01	0.014	0.006
200	13-May	12:30:01	0.007	0.005867
201	13-May	12:31:01	0.005	0.0062
202	13-May	12:32:01	0.008	0.006733
203	13-May	12:33:01	0.006	0.007133
204	13-May	12:34:01	0.003	0.007267
205	13-May	12:35:01	0.001	0.0068
206	13-May	12:36:01	0.007	0.007067
207	13-May	12:37:01	0.065	0.011133
208	13-May	12:38:01	0.002	0.0106
209	13-May	12:39:01	0.001	0.010133
210	13-May	12:40:01	0.001	0.009867
211	13-May	12:41:01	0.006	0.010067
212	13-May	12:42:01	0.009	0.009667
213	13-May	12:43:01	0.003	0.0092
214	13-May	12:44:01	0	0.008267
215	13-May	12:45:01	0.008	0.008333
216	13-May	12:46:01	0.009	0.0086
217	13-May	12:47:01	0.035	0.0104

Point	Date	Time	Avg.(mg/m3)	
218	13-May	12:48:01	0.049	0.013267
219	13-May	12:49:01	0.057	0.016867
220	13-May	12:50:01	0.064	0.021067
221	13-May	12:51:01	0.066	0.025
222	13-May	12:52:01	0.066	0.025067
223	13-May	12:53:01	0.087	0.030733
224	13-May	12:54:01	0.12	0.038667
225	13-May	12:55:01	0.134	0.047533
226	13-May	12:56:01	0.167	0.058267
227	13-May	12:57:01	0.146	0.0674
228	13-May	12:58:01	0.115	0.074867
229	13-May	12:59:01	0.129	0.083467
230	13-May	13:00:01	0.039	0.085533
231	13-May	13:01:01	0.008	0.085467
232	13-May	13:02:01	0.006	0.083533
233	13-May	13:03:01	0.02	0.0816
234	13-May	13:04:01	0.014	0.078733
235	13-May	13:05:01	0.013	0.075333
236	13-May	13:06:01	0.008	0.071467
237	13-May	13:07:01	0.006	0.067467
238	13-May	13:08:01	0.006	0.062067
239	13-May	13:09:01	0.004	0.054333
240	13-May	13:10:01	0.004	0.045667
241	13-May	13:11:01	0.004	0.0348
242	13-May	13:12:01	0.034	0.027333
243	13-May	13:13:01	0.066	0.024067
244	13-May	13:14:01	0.016	0.016533
245	13-May	13:15:01	0.011	0.014667
246	13-May	13:16:01	0.011	0.014867
247	13-May	13:17:01	0.017	0.0156
248	13-May	13:18:01	0.007	0.014733
249	13-May	13:19:01	0.01	0.014467
250	13-May	13:20:01	0.006	0.014
251	13-May	13:21:01	0.013	0.014333
252	13-May	13:22:01	0.008	0.014467
253	13-May	13:23:01	0.007	0.014533
254	13-May	13:24:01	0.006	0.014667
255	13-May	13:25:01	0.008	0.014933
256	13-May	13:26:01	0.006	0.015067
257	13-May	13:27:01	0.008	0.013333
258	13-May	13:28:01	0.006	0.009333
259	13-May	13:29:01	0.003	0.008467
260	13-May	13:30:01	0.003	0.007933
261	13-May	13:31:01	0.001	0.007267
262	13-May	13:32:01	0.002	0.006267
263	13-May	13:33:01	0.003	0.006

Point	Date	Time	Avg.(mg/m3)	
264	13-May	13:34:01	0.007	0.0058
265	13-May	13:35:01	0.004	0.005667
266	13-May	13:36:01	0.005	0.005133
267	13-May	13:37:01	0.002	0.004733
268	13-May	13:38:01	0.003	0.004467
269	13-May	13:39:01	0.002	0.0042
270	13-May	13:40:01	0	0.003667
271	13-May	13:41:01	0.001	0.003333
272	13-May	13:42:01	0	0.0028
273	13-May	13:43:01	0	0.0024
274	13-May	13:44:01	0.003	0.0024
275	13-May	13:45:01	0.002	0.002333
276	13-May	13:46:01	0.008	0.0028
277	13-May	13:47:01	0.009	0.003267
278	13-May	13:48:01	0.011	0.0038
279	13-May	13:49:01	0.004	0.0036
280	13-May	13:50:01	0.002	0.003467
281	13-May	13:51:01	0.008	0.003667
282	13-May	13:52:01	0.003	0.003733
283	13-May	13:53:01	0.004	0.0038
284	13-May	13:54:01	0.001	0.003733
285	13-May	13:55:01	0.001	0.0038
286	13-May	13:56:01	0.001	0.0038
287	13-May	13:57:01	0.016	0.004867
288	13-May	13:58:01	0.005	0.0052
289	13-May	13:59:01	0.016	0.006067
290	13-May	14:00:01	0.005	0.006267
291	13-May	14:01:01	0.002	0.005867
292	13-May	14:02:01	0.007	0.005733
293	13-May	14:03:01	0.001	0.005067
294	13-May	14:04:01	0	0.0048
295	13-May	14:05:01	0.001	0.004733
296	13-May	14:06:01	0.005	0.004533
297	13-May	14:07:01	0.014	0.005267
298	13-May	14:08:01	0.005	0.005333
299	13-May	14:09:01	0.001	0.005333
300	13-May	14:10:01	0.002	0.0054
301	13-May	14:11:01	0.001	0.0054
302	13-May	14:12:01	0.002	0.004467
303	13-May	14:13:01	0	0.004133
304	13-May	14:14:01	0.001	0.003133
305	13-May	14:15:01	0.001	0.002867
				0.2072

pDR
Tag Number: 12
Number of logged points: 375
Start time and date: 08:22:54 17-May
Elapsed time: 06:15:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.351 mg/m3
Time at maximum: 14:38:20 May 17
Max STEL Concentration: 0.173 mg/m3
Time at max STEL: 14:00:55 May 17
Overall Avg Conc: 0.031 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)
1	17 May	08:23:54	0.027
2	17 May	08:24:54	0.038
3	17 May	08:25:54	0.035
4	17 May	08:26:54	0.032
5	17 May	08:27:54	0.036
6	17 May	08:28:54	0.026
7	17 May	08:29:54	0.029
8	17 May	08:30:54	0.029
9	17 May	08:31:54	0.029
10	17 May	08:32:54	0.026
11	17 May	08:33:54	0.028
12	17 May	08:34:54	0.023
13	17 May	08:35:54	0.027
14	17 May	08:36:54	0.024
15	17 May	08:37:54	0.020
16	17 May	08:38:54	0.021
17	17 May	08:39:54	0.023
18	17 May	08:40:54	0.023
19	17 May	08:41:54	0.025
20	17 May	08:42:54	0.021
21	17 May	08:43:54	0.022
22	17 May	08:44:54	0.023
23	17 May	08:45:54	0.023
24	17 May	08:46:54	0.018
25	17 May	08:47:54	0.021
26	17 May	08:48:54	0.017
27	17 May	08:49:54	0.015
28	17 May	08:50:54	0.017
29	17 May	08:51:54	0.013
30	17 May	08:52:54	0.016
31	17 May	08:53:54	0.013
32	17 May	08:54:54	0.012
33	17 May	08:55:54	0.010
34	17 May	08:56:54	0.011
35	17 May	08:57:54	0.018
36	17 May	08:58:54	0.014

37, 17 May, 08:59:54, 0.019
38, 17 May, 09:00:54, 0.013
39, 17 May, 09:01:54, 0.012
40, 17 May, 09:02:54, 0.012
41, 17 May, 09:03:54, 0.011
42, 17 May, 09:04:54, 0.011
43, 17 May, 09:05:54, 0.008
44, 17 May, 09:06:54, 0.009
45, 17 May, 09:07:54, 0.011
46, 17 May, 09:08:54, 0.013
47, 17 May, 09:09:54, 0.011
48, 17 May, 09:10:54, 0.008
49, 17 May, 09:11:54, 0.012
50, 17 May, 09:12:54, 0.011
51, 17 May, 09:13:54, 0.010
52, 17 May, 09:14:54, 0.006
53, 17 May, 09:15:54, 0.007
54, 17 May, 09:16:54, 0.006
55, 17 May, 09:17:54, 0.008
56, 17 May, 09:18:54, 0.007
57, 17 May, 09:19:54, 0.008
58, 17 May, 09:20:54, 0.007
59, 17 May, 09:21:54, 0.007
60, 17 May, 09:22:54, 0.008
61, 17 May, 09:23:54, 0.007
62, 17 May, 09:24:54, 0.005
63, 17 May, 09:25:54, 0.010
64, 17 May, 09:26:54, 0.005
65, 17 May, 09:27:54, 0.007
66, 17 May, 09:28:54, 0.005
67, 17 May, 09:29:54, 0.005
68, 17 May, 09:30:54, 0.005
69, 17 May, 09:31:54, 0.005
70, 17 May, 09:32:54, 0.005
71, 17 May, 09:33:54, 0.006
72, 17 May, 09:34:54, 0.005
73, 17 May, 09:35:54, 0.005
74, 17 May, 09:36:54, 0.006
75, 17 May, 09:37:54, 0.008
76, 17 May, 09:38:54, 0.008
77, 17 May, 09:39:54, 0.009
78, 17 May, 09:40:54, 0.008
79, 17 May, 09:41:54, 0.011
80, 17 May, 09:42:54, 0.007
81, 17 May, 09:43:54, 0.006
82, 17 May, 09:44:54, 0.005
83, 17 May, 09:45:54, 0.007
84, 17 May, 09:46:54, 0.010
85, 17 May, 09:47:54, 0.011
86, 17 May, 09:48:54, 0.010

 87, 17 May, 09:49:54, 0.009
 88, 17 May, 09:50:54, 0.009
 89, 17 May, 09:51:54, 0.004
 90, 17 May, 09:52:54, 0.012
 91, 17 May, 09:53:54, 0.007
 92, 17 May, 09:54:54, 0.011
 93, 17 May, 09:55:54, 0.008
 94, 17 May, 09:56:54, 0.009
 95, 17 May, 09:57:54, 0.007
 96, 17 May, 09:58:54, 0.006
 97, 17 May, 09:59:54, 0.008
 98, 17 May, 10:00:54, 0.008
 99, 17 May, 10:01:54, 0.008
100, 17 May, 10:02:54, 0.007
101, 17 May, 10:03:54, 0.007
102, 17 May, 10:04:54, 0.005
103, 17 May, 10:05:54, 0.004
104, 17 May, 10:06:54, 0.008
105, 17 May, 10:07:54, 0.007
106, 17 May, 10:08:54, 0.010
107, 17 May, 10:09:54, 0.003
108, 17 May, 10:10:54, 0.012
109, 17 May, 10:11:54, 0.005
110, 17 May, 10:12:54, 0.003
111, 17 May, 10:13:54, 0.005
112, 17 May, 10:14:54, 0.006
113, 17 May, 10:15:54, 0.004
114, 17 May, 10:16:54, 0.006
115, 17 May, 10:17:54, 0.004
116, 17 May, 10:18:54, 0.005
117, 17 May, 10:19:54, 0.008
118, 17 May, 10:20:54, 0.004
119, 17 May, 10:21:54, 0.004
120, 17 May, 10:22:54, 0.004
121, 17 May, 10:23:54, 0.003
122, 17 May, 10:24:54, 0.004
123, 17 May, 10:25:54, 0.010
124, 17 May, 10:26:54, 0.003
125, 17 May, 10:27:54, 0.002
126, 17 May, 10:28:54, 0.005
127, 17 May, 10:29:54, 0.004
128, 17 May, 10:30:54, 0.003
129, 17 May, 10:31:54, 0.006
130, 17 May, 10:32:54, 0.004
131, 17 May, 10:33:54, 0.013
132, 17 May, 10:34:54, 0.006
133, 17 May, 10:35:54, 0.004
134, 17 May, 10:36:54, 0.005
135, 17 May, 10:37:54, 0.008
136, 17 May, 10:38:54, 0.004

137, 17 May, 10:39:54, 0.007
138, 17 May, 10:40:54, 0.004
139, 17 May, 10:41:54, 0.004
140, 17 May, 10:42:54, 0.008
141, 17 May, 10:43:54, 0.011
142, 17 May, 10:44:54, 0.011
143, 17 May, 10:45:54, 0.003
144, 17 May, 10:46:54, 0.003
145, 17 May, 10:47:54, 0.007
146, 17 May, 10:48:54, 0.003
147, 17 May, 10:49:54, 0.003
148, 17 May, 10:50:54, 0.006
149, 17 May, 10:51:54, 0.006
150, 17 May, 10:52:54, 0.003
151, 17 May, 10:53:54, 0.004
152, 17 May, 10:54:54, 0.007
153, 17 May, 10:55:54, 0.005
154, 17 May, 10:56:54, 0.008
155, 17 May, 10:57:54, 0.015
156, 17 May, 10:58:54, 0.002
157, 17 May, 10:59:54, 0.011
158, 17 May, 11:00:54, 0.016
159, 17 May, 11:01:54, 0.007
160, 17 May, 11:02:54, 0.012
161, 17 May, 11:03:54, 0.011
162, 17 May, 11:04:54, 0.007
163, 17 May, 11:05:54, 0.003
164, 17 May, 11:06:54, 0.004
165, 17 May, 11:07:54, 0.002
166, 17 May, 11:08:54, 0.001
167, 17 May, 11:09:54, 0.003
168, 17 May, 11:10:54, 0.001
169, 17 May, 11:11:54, 0.003
170, 17 May, 11:12:54, 0.002
171, 17 May, 11:13:54, 0.004
172, 17 May, 11:14:54, 0.002
173, 17 May, 11:15:54, 0.003
174, 17 May, 11:16:54, 0.001
175, 17 May, 11:17:54, 0.003
176, 17 May, 11:18:54, 0.003
177, 17 May, 11:19:54, 0.007
178, 17 May, 11:20:54, 0.005
179, 17 May, 11:21:54, 0.004
180, 17 May, 11:22:54, 0.002
181, 17 May, 11:23:54, 0.002
182, 17 May, 11:24:54, 0.003
183, 17 May, 11:25:54, 0.006
184, 17 May, 11:26:54, 0.003
185, 17 May, 11:27:54, 0.002
186, 17 May, 11:28:54, 0.004

187, 17 May, 11:29:54, 0.004
188, 17 May, 11:30:54, 0.004
189, 17 May, 11:31:54, 0.002
190, 17 May, 11:32:54, 0.003
191, 17 May, 11:33:54, 0.002
192, 17 May, 11:34:54, 0.001
193, 17 May, 11:35:54, 0.001
194, 17 May, 11:36:54, 0.003
195, 17 May, 11:37:54, 0.002
196, 17 May, 11:38:54, 0.002
197, 17 May, 11:39:54, 0.001
198, 17 May, 11:40:54, 0.002
199, 17 May, 11:41:54, 0.001
200, 17 May, 11:42:54, 0.001
201, 17 May, 11:43:54, 0.001
202, 17 May, 11:44:54, 0.004
203, 17 May, 11:45:54, 0.002
204, 17 May, 11:46:54, 0.001
205, 17 May, 11:47:54, 0.002
206, 17 May, 11:48:54, 0.000
207, 17 May, 11:49:54, 0.002
208, 17 May, 11:50:54, 0.001
209, 17 May, 11:51:54, 0.000
210, 17 May, 11:52:54, 0.002
211, 17 May, 11:53:54, 0.001
212, 17 May, 11:54:54, 0.002
213, 17 May, 11:55:54, 0.001
214, 17 May, 11:56:54, 0.003
215, 17 May, 11:57:54, 0.002
216, 17 May, 11:58:54, 0.000
217, 17 May, 11:59:54, 0.000
218, 17 May, 12:00:54, 0.000
219, 17 May, 12:01:54, 0.000
220, 17 May, 12:02:54, 0.001
221, 17 May, 12:03:54, 0.000
222, 17 May, 12:04:54, 0.001
223, 17 May, 12:05:54, 0.001
224, 17 May, 12:06:54, 0.003
225, 17 May, 12:07:54, 0.002
226, 17 May, 12:08:54, 0.001
227, 17 May, 12:09:54, 0.002
228, 17 May, 12:10:54, 0.003
229, 17 May, 12:11:54, 0.000
230, 17 May, 12:12:54, 0.000
231, 17 May, 12:13:54, 0.002
232, 17 May, 12:14:54, 0.000
233, 17 May, 12:15:54, 0.001
234, 17 May, 12:16:54, 0.001
235, 17 May, 12:17:54, 0.000
236, 17 May, 12:18:54, 0.002

237, 17 May, 12:19:54, 0.001
238, 17 May, 12:20:54, 0.000
239, 17 May, 12:21:54, 0.000
240, 17 May, 12:22:54, 0.000
241, 17 May, 12:23:54, 0.003
242, 17 May, 12:24:54, 0.000
243, 17 May, 12:25:54, 0.000
244, 17 May, 12:26:54, 0.001
245, 17 May, 12:27:54, 0.000
246, 17 May, 12:28:54, 0.001
247, 17 May, 12:29:54, 0.001
248, 17 May, 12:30:54, 0.000
249, 17 May, 12:31:54, 0.002
250, 17 May, 12:32:54, 0.006
251, 17 May, 12:33:54, 0.001
252, 17 May, 12:34:54, 0.002
253, 17 May, 12:35:54, 0.000
254, 17 May, 12:36:54, 0.001
255, 17 May, 12:37:54, 0.000
256, 17 May, 12:38:54, 0.009
257, 17 May, 12:39:54, 0.003
258, 17 May, 12:40:54, 0.001
259, 17 May, 12:41:54, 0.000
260, 17 May, 12:42:54, 0.001
261, 17 May, 12:43:54, 0.002
262, 17 May, 12:44:54, 0.001
263, 17 May, 12:45:54, 0.001
264, 17 May, 12:46:54, 0.003
265, 17 May, 12:47:54, 0.003
266, 17 May, 12:48:54, 0.005
267, 17 May, 12:49:54, 0.000
268, 17 May, 12:50:54, 0.001
269, 17 May, 12:51:54, 0.002
270, 17 May, 12:52:54, 0.001
271, 17 May, 12:53:54, 0.001
272, 17 May, 12:54:54, 0.005
273, 17 May, 12:55:54, 0.004
274, 17 May, 12:56:54, 0.001
275, 17 May, 12:57:54, 0.004
276, 17 May, 12:58:54, 0.001
277, 17 May, 12:59:54, 0.014
278, 17 May, 13:00:54, 0.003
279, 17 May, 13:01:54, 0.001
280, 17 May, 13:02:54, 0.004
281, 17 May, 13:03:54, 0.000
282, 17 May, 13:04:54, 0.003
283, 17 May, 13:05:54, 0.003
284, 17 May, 13:06:54, 0.002
285, 17 May, 13:07:54, 0.002
286, 17 May, 13:08:54, 0.000

287, 17 May, 13:09:54, 0.001
288, 17 May, 13:10:54, 0.001
289, 17 May, 13:11:54, 0.000
290, 17 May, 13:12:54, 0.000
291, 17 May, 13:13:54, 0.001
292, 17 May, 13:14:54, 0.001
293, 17 May, 13:15:54, 0.007
294, 17 May, 13:16:54, 0.001
295, 17 May, 13:17:54, 0.004
296, 17 May, 13:18:54, 0.003
297, 17 May, 13:19:54, 0.002
298, 17 May, 13:20:54, 0.002
299, 17 May, 13:21:54, 0.000
300, 17 May, 13:22:54, 0.001
301, 17 May, 13:23:54, 0.001
302, 17 May, 13:24:54, 0.003
303, 17 May, 13:25:54, 0.003
304, 17 May, 13:26:54, 0.027
305, 17 May, 13:27:54, 0.014
306, 17 May, 13:28:54, 0.073
307, 17 May, 13:29:54, 0.054
308, 17 May, 13:30:54, 0.028
309, 17 May, 13:31:54, 0.001
310, 17 May, 13:32:54, 0.001
311, 17 May, 13:33:54, 0.006
312, 17 May, 13:34:54, 0.015
313, 17 May, 13:35:54, 0.017
314, 17 May, 13:36:54, 0.069
315, 17 May, 13:37:54, 0.074
316, 17 May, 13:38:54, 0.038
317, 17 May, 13:39:54, 0.027
318, 17 May, 13:40:54, 0.034
319, 17 May, 13:41:54, 0.115
320, 17 May, 13:42:54, 0.111
321, 17 May, 13:43:54, 0.180
322, 17 May, 13:44:54, 0.098
323, 17 May, 13:45:54, 0.115
324, 17 May, 13:46:54, 0.204
325, 17 May, 13:47:54, 0.145
326, 17 May, 13:48:54, 0.190
327, 17 May, 13:49:54, 0.139
328, 17 May, 13:50:54, 0.135
329, 17 May, 13:51:54, 0.162
330, 17 May, 13:52:54, 0.212
331, 17 May, 13:53:54, 0.171
332, 17 May, 13:54:54, 0.210
333, 17 May, 13:55:54, 0.156
334, 17 May, 13:56:54, 0.175
335, 17 May, 13:57:54, 0.190
336, 17 May, 13:58:54, 0.145

337, 17 May, 13:59:54, 0.148
338, 17 May, 14:00:54, 0.211
339, 17 May, 14:01:54, 0.166
340, 17 May, 14:02:54, 0.185
341, 17 May, 14:03:54, 0.156
342, 17 May, 14:04:54, 0.163
343, 17 May, 14:05:54, 0.151
344, 17 May, 14:06:54, 0.152
345, 17 May, 14:07:54, 0.173
346, 17 May, 14:08:54, 0.142
347, 17 May, 14:09:54, 0.142
348, 17 May, 14:10:54, 0.182
349, 17 May, 14:11:54, 0.168
350, 17 May, 14:12:54, 0.156
351, 17 May, 14:13:54, 0.156
352, 17 May, 14:14:54, 0.135
353, 17 May, 14:15:54, 0.212
354, 17 May, 14:16:54, 0.171
355, 17 May, 14:17:54, 0.168
356, 17 May, 14:18:54, 0.136
357, 17 May, 14:19:54, 0.142
358, 17 May, 14:20:54, 0.129
359, 17 May, 14:21:54, 0.152
360, 17 May, 14:22:54, 0.183
361, 17 May, 14:23:54, 0.164
362, 17 May, 14:24:54, 0.137
363, 17 May, 14:25:54, 0.200
364, 17 May, 14:26:54, 0.145
365, 17 May, 14:27:54, 0.180
366, 17 May, 14:28:54, 0.148
367, 17 May, 14:29:54, 0.169
368, 17 May, 14:30:54, 0.142
369, 17 May, 14:31:54, 0.154
370, 17 May, 14:32:54, 0.133
371, 17 May, 14:33:54, 0.202
372, 17 May, 14:34:54, 0.203
373, 17 May, 14:35:54, 0.173
374, 17 May, 14:36:54, 0.193
375, 17 May, 14:37:54, 0.183

pDR
Tag Number: 13
Number of logged points: 47
Start time and date: 08:09:57 18-May
Elapsed time: 00:47:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.067 mg/m3
Time at maximum: 08:22:04 May 18
Max STEL Concentration: 0.009 mg/m3
Time at max STEL: 08:24:58 May 18
Overall Avg Conc: 0.007 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)
1,	18 May,	08:10:57,	0.009
2,	18 May,	08:11:57,	0.01
3,	18 May,	08:12:57,	0.011
4,	18 May,	08:13:57,	0.009
5,	18 May,	08:14:57,	0.006
6,	18 May,	08:15:57,	0.009
7,	18 May,	08:16:57,	0.005
8,	18 May,	08:17:57,	0.006
9,	18 May,	08:18:57,	0.008
10,	18 May,	08:19:57,	0.008
11,	18 May,	08:20:57,	0.009
12,	18 May,	08:21:57,	0.011
13,	18 May,	08:22:57,	0.016
14,	18 May,	08:23:57,	0.007
15,	18 May,	08:24:57,	0.008
16,	18 May,	08:25:57,	0.007
17,	18 May,	08:26:57,	0.007
18,	18 May,	08:27:57,	0.008
19,	18 May,	08:28:57,	0.008
20,	18 May,	08:29:57,	0.006
21,	18 May,	08:30:57,	0.007
22,	18 May,	08:31:57,	0.007
23,	18 May,	08:32:57,	0.007
24,	18 May,	08:33:57,	0.005
25,	18 May,	08:34:57,	0.007
26,	18 May,	08:35:57,	0.006
27,	18 May,	08:36:57,	0.007
28,	18 May,	08:37:57,	0.006
29,	18 May,	08:38:57,	0.006
30,	18 May,	08:39:57,	0.006
31,	18 May,	08:40:57,	0.005
32,	18 May,	08:41:57,	0.005
33,	18 May,	08:42:57,	0.006

Point	Date	Time	Avg.(mg/m3)
34,	18 May,	08:43:57,	0.006
35,	18 May,	08:44:57,	0.004
36,	18 May,	08:45:57,	0.006
37,	18 May,	08:46:57,	0.006
38,	18 May,	08:47:57,	0.007
39,	18 May,	08:48:57,	0.006
40,	18 May,	08:49:57,	0.005
41,	18 May,	08:50:57,	0.005
42,	18 May,	08:51:57,	0.004
43,	18 May,	08:52:57,	0.005
44,	18 May,	08:53:57,	0.005
45,	18 May,	08:54:57,	0.007
46,	18 May,	08:55:57,	0.006
47,	18 May,	08:56:57,	0.005

pDR
Tag Number: 16
Number of logged points: 115
Start time and date: 12:44:42 18-May
Elapsed time: 01:55:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.057 mg/m3
Time at maximum: 13:21:30 May 18
Max STEL Concentration: 0.010 mg/m3
Time at max STEL: 12:59:13 May 18
Overall Avg Conc: 0.007 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)
1	18-May	12:45:42	0.006
2	18-May	12:46:42	0.012
3	18-May	12:47:42	0.013
4	18-May	12:48:42	0.005
5	18-May	12:49:42	0.008
6	18-May	12:50:42	0.019
7	18-May	12:51:42	0.013
8	18-May	12:52:42	0.008
9	18-May	12:53:42	0.007
10	18-May	12:54:42	0.005
11	18-May	12:55:42	0.012
12	18-May	12:56:42	0.008
13	18-May	12:57:42	0.011
14	18-May	12:58:42	0.012
15	18-May	12:59:42	0.012
16	18-May	13:00:42	0.011
17	18-May	13:01:42	0.008
18	18-May	13:02:42	0.008
19	18-May	13:03:42	0.014
20	18-May	13:04:42	0.008
21	18-May	13:05:42	0.006
22	18-May	13:06:42	0.006
23	18-May	13:07:42	0.005
24	18-May	13:08:42	0.006
25	18-May	13:09:42	0.009
26	18-May	13:10:42	0.003
27	18-May	13:11:42	0.004
28	18-May	13:12:42	0.008
29	18-May	13:13:42	0.008
30	18-May	13:14:42	0.007
31	18-May	13:15:42	0.01
32	18-May	13:16:42	0.006
33	18-May	13:17:42	0.006

Point	Date	Time	Avg.(mg/m3)
34	18-May	13:18:42	0.007
35	18-May	13:19:42	0.008
36	18-May	13:20:42	0.007
37	18-May	13:21:42	0.018
38	18-May	13:22:42	0.008
39	18-May	13:23:42	0.014
40	18-May	13:24:42	0.004
41	18-May	13:25:42	0.003
42	18-May	13:26:42	0.007
43	18-May	13:27:42	0.01
44	18-May	13:28:42	0.005
45	18-May	13:29:42	0.007
46	18-May	13:30:42	0.005
47	18-May	13:31:42	0.006
48	18-May	13:32:42	0.014
49	18-May	13:33:42	0.009
50	18-May	13:34:42	0.005
51	18-May	13:35:42	0.006
52	18-May	13:36:42	0.011
53	18-May	13:37:42	0.018
54	18-May	13:38:42	0.003
55	18-May	13:39:42	0.007
56	18-May	13:40:42	0.004
57	18-May	13:41:42	0.01
58	18-May	13:42:42	0.005
59	18-May	13:43:42	0.006
60	18-May	13:44:42	0.008
61	18-May	13:45:42	0.011
62	18-May	13:46:42	0.007
63	18-May	13:47:42	0.006
64	18-May	13:48:42	0.006
65	18-May	13:49:42	0.004
66	18-May	13:50:42	0.004
67	18-May	13:51:42	0.004
68	18-May	13:52:42	0.007
69	18-May	13:53:42	0.002
70	18-May	13:54:42	0.003
71	18-May	13:55:42	0.005
72	18-May	13:56:42	0.004
73	18-May	13:57:42	0.009
74	18-May	13:58:42	0.008
75	18-May	13:59:42	0.003
76	18-May	14:00:42	0.011
77	18-May	14:01:42	0.004
78	18-May	14:02:42	0.004
79	18-May	14:03:42	0.005

Point	Date	Time	Avg.(mg/m3)
80	18-May	14:04:42	0.011
81	18-May	14:05:42	0.007
82	18-May	14:06:42	0.008
83	18-May	14:07:42	0.003
84	18-May	14:08:42	0.005
85	18-May	14:09:42	0.004
86	18-May	14:10:42	0.004
87	18-May	14:11:42	0.003
88	18-May	14:12:42	0.005
89	18-May	14:13:42	0.004
90	18-May	14:14:42	0.002
91	18-May	14:15:42	0.001
92	18-May	14:16:42	0.005
93	18-May	14:17:42	0.005
94	18-May	14:18:42	0.005
95	18-May	14:19:42	0.004
96	18-May	14:20:42	0.002
97	18-May	14:21:42	0.005
98	18-May	14:22:42	0.004
99	18-May	14:23:42	0.007
100	18-May	14:24:42	0.003
101	18-May	14:25:42	0.001
102	18-May	14:26:42	0.004
103	18-May	14:27:42	0.001
104	18-May	14:28:42	0.002
105	18-May	14:29:42	0.003
106	18-May	14:30:42	0.005
107	18-May	14:31:42	0.008
108	18-May	14:32:42	0.005
109	18-May	14:33:42	0.002
110	18-May	14:34:42	0.002
111	18-May	14:35:42	0.006
112	18-May	14:36:42	0.003
113	18-May	14:37:42	0.001
114	18-May	14:38:42	0.001
115	18-May	14:39:42	0.002
			0.019

pDR
Tag Number: 17
Number of logged points: 370
Start time and date: 08:39:03 19-May
Elapsed time: 06:10:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.049 mg/m3
Time at maximum: 14:16:12 May 19
Max STEL Concentration: 0.006 mg/m3
Time at max STEL: 08:52:33 May 19
Overall Avg Conc: 0.003 mg/m3
Logged Data:

Point	Date	Time	Avg.(mg/m3)	
1	19-May	08:40:03	0.009	
2	19-May	08:41:03	0.006	
3	19-May	08:42:03	0.007	
4	19-May	08:43:03	0.007	
5	19-May	08:44:03	0.005	
6	19-May	08:45:03	0.006	
7	19-May	08:46:03	0.007	
8	19-May	08:47:03	0.004	
9	19-May	08:48:03	0.009	
10	19-May	08:49:03	0.004	
11	19-May	08:50:03	0.006	
12	19-May	08:51:03	0.006	
13	19-May	08:52:03	0.006	
14	19-May	08:53:03	0.006	
15	19-May	08:54:03	0.004	0.006133
16	19-May	08:55:03	0.005	0.005867
17	19-May	08:56:03	0.005	0.0058
18	19-May	08:57:03	0.005	0.005667
19	19-May	08:58:03	0.005	0.005533
20	19-May	08:59:03	0.005	0.005533
21	19-May	09:00:03	0.006	0.005533
22	19-May	09:01:03	0.005	0.0054
23	19-May	09:02:03	0.004	0.0054
24	19-May	09:03:03	0.004	0.005067
25	19-May	09:04:03	0.005	0.005133
26	19-May	09:05:03	0.004	0.005
27	19-May	09:06:03	0.003	0.0048
28	19-May	09:07:03	0.003	0.0046
29	19-May	09:08:03	0.003	0.0044
30	19-May	09:09:03	0.005	0.004467
31	19-May	09:10:03	0.004	0.0044
32	19-May	09:11:03	0.005	0.0044
33	19-May	09:12:03	0.003	0.004267

Point	Date	Time	Avg.(mg/m3)	
34	19-May	09:13:03	0.004	0.0042
35	19-May	09:14:03	0.004	0.004133
36	19-May	09:15:03	0.004	0.004
37	19-May	09:16:03	0.003	0.003867
38	19-May	09:17:03	0.004	0.003867
39	19-May	09:18:03	0.006	0.004
40	19-May	09:19:03	0.01	0.004333
41	19-May	09:20:03	0.007	0.004533
42	19-May	09:21:03	0.003	0.004533
43	19-May	09:22:03	0.003	0.004533
44	19-May	09:23:03	0.003	0.004533
45	19-May	09:24:03	0.007	0.004667
46	19-May	09:25:03	0.002	0.004533
47	19-May	09:26:03	0.003	0.0044
48	19-May	09:27:03	0.002	0.004333
49	19-May	09:28:03	0.001	0.004133
50	19-May	09:29:03	0.003	0.004067
51	19-May	09:30:03	0.003	0.004
52	19-May	09:31:03	0.003	0.004
53	19-May	09:32:03	0.002	0.003867
54	19-May	09:33:03	0.004	0.003733
55	19-May	09:34:03	0.005	0.0034
56	19-May	09:35:03	0.003	0.003133
57	19-May	09:36:03	0.002	0.003067
58	19-May	09:37:03	0.006	0.003267
59	19-May	09:38:03	0.003	0.003267
60	19-May	09:39:03	0.006	0.0032
61	19-May	09:40:03	0.007	0.003533
62	19-May	09:41:03	0.003	0.003533
63	19-May	09:42:03	0.003	0.0036
64	19-May	09:43:03	0.003	0.003733
65	19-May	09:44:03	0.006	0.003933
66	19-May	09:45:03	0.009	0.004333
67	19-May	09:46:03	0.007	0.0046
68	19-May	09:47:03	0.01	0.005133
69	19-May	09:48:03	0.006	0.005267
70	19-May	09:49:03	0.005	0.005267
71	19-May	09:50:03	0.009	0.005667
72	19-May	09:51:03	0.003	0.005733
73	19-May	09:52:03	0.005	0.005667
74	19-May	09:53:03	0.003	0.005667
75	19-May	09:54:03	0.011	0.006
76	19-May	09:55:03	0.007	0.006
77	19-May	09:56:03	0.005	0.006133
78	19-May	09:57:03	0.002	0.006067
79	19-May	09:58:03	0.002	0.006

Point	Date	Time	Avg.(mg/m3)	
80	19-May	09:59:03	0.001	0.005667
81	19-May	10:00:03	0.002	0.0052
82	19-May	10:01:03	0.002	0.004867
83	19-May	10:02:03	0.003	0.0044
84	19-May	10:03:03	0.002	0.004133
85	19-May	10:04:03	0.004	0.004067
86	19-May	10:05:03	0.007	0.003933
87	19-May	10:06:03	0.003	0.003933
88	19-May	10:07:03	0.003	0.0038
89	19-May	10:08:03	0.005	0.003933
90	19-May	10:09:03	0.003	0.0034
91	19-May	10:10:03	0.003	0.003133
92	19-May	10:11:03	0.003	0.003
93	19-May	10:12:03	0.003	0.003067
94	19-May	10:13:03	0.004	0.0032
95	19-May	10:14:03	0.005	0.003467
96	19-May	10:15:03	0.009	0.003933
97	19-May	10:16:03	0.003	0.004
98	19-May	10:17:03	0.005	0.004133
99	19-May	10:18:03	0.004	0.004267
100	19-May	10:19:03	0.006	0.0044
101	19-May	10:20:03	0.003	0.004133
102	19-May	10:21:03	0.004	0.0042
103	19-May	10:22:03	0.003	0.0042
104	19-May	10:23:03	0.005	0.0042
105	19-May	10:24:03	0.002	0.004133
106	19-May	10:25:03	0.005	0.004267
107	19-May	10:26:03	0.004	0.004333
108	19-May	10:27:03	0.003	0.004333
109	19-May	10:28:03	0.002	0.0042
110	19-May	10:29:03	0.002	0.004
111	19-May	10:30:03	0.001	0.003467
112	19-May	10:31:03	0.005	0.0036
113	19-May	10:32:03	0.005	0.0036
114	19-May	10:33:03	0.002	0.003467
115	19-May	10:34:03	0.003	0.003267
116	19-May	10:35:03	0.004	0.003333
117	19-May	10:36:03	0.003	0.003267
118	19-May	10:37:03	0.004	0.003333
119	19-May	10:38:03	0.003	0.0032
120	19-May	10:39:03	0.004	0.003333
121	19-May	10:40:03	0.002	0.003133
122	19-May	10:41:03	0.003	0.003067
123	19-May	10:42:03	0.003	0.003067
124	19-May	10:43:03	0.002	0.003067
125	19-May	10:44:03	0.002	0.003067

Point	Date	Time	Avg.(mg/m3)	
126	19-May	10:45:03	0.002	0.003133
127	19-May	10:46:03	0.003	0.003
128	19-May	10:47:03	0.006	0.003067
129	19-May	10:48:03	0.003	0.003133
130	19-May	10:49:03	0.003	0.003133
131	19-May	10:50:03	0.003	0.003067
132	19-May	10:51:03	0.003	0.003067
133	19-May	10:52:03	0.002	0.002933
134	19-May	10:53:03	0.004	0.003
135	19-May	10:54:03	0.001	0.0028
136	19-May	10:55:03	0.003	0.002867
137	19-May	10:56:03	0.001	0.002733
138	19-May	10:57:03	0.001	0.0026
139	19-May	10:58:03	0.003	0.002667
140	19-May	10:59:03	0.001	0.0026
141	19-May	11:00:03	0.002	0.0026
142	19-May	11:01:03	0.002	0.002533
143	19-May	11:02:03	0.002	0.002267
144	19-May	11:03:03	0.003	0.002267
145	19-May	11:04:03	0.002	0.0022
146	19-May	11:05:03	0.001	0.002067
147	19-May	11:06:03	0.002	0.002
148	19-May	11:07:03	0.003	0.002067
149	19-May	11:08:03	0.001	0.001867
150	19-May	11:09:03	0.004	0.002067
151	19-May	11:10:03	0.005	0.0022
152	19-May	11:11:03	0.002	0.002267
153	19-May	11:12:03	0.005	0.002533
154	19-May	11:13:03	0.002	0.002467
155	19-May	11:14:03	0.002	0.002533
156	19-May	11:15:03	0.001	0.002467
157	19-May	11:16:03	0	0.002333
158	19-May	11:17:03	0.003	0.0024
159	19-May	11:18:03	0.005	0.002533
160	19-May	11:19:03	0.001	0.002467
161	19-May	11:20:03	0.001	0.002467
162	19-May	11:21:03	0.002	0.002467
163	19-May	11:22:03	0.005	0.0026
164	19-May	11:23:03	0.001	0.0026
165	19-May	11:24:03	0.002	0.002467
166	19-May	11:25:03	0.001	0.0022
167	19-May	11:26:03	0.001	0.002133
168	19-May	11:27:03	0.008	0.002333
169	19-May	11:28:03	0.004	0.002467
170	19-May	11:29:03	0.001	0.0024
171	19-May	11:30:03	0.002	0.002467

Point	Date	Time	Avg.(mg/m3)	
172	19-May	11:31:03	0.003	0.002667
173	19-May	11:32:03	0.003	0.002667
174	19-May	11:33:03	0.003	0.002533
175	19-May	11:34:03	0.001	0.002533
176	19-May	11:35:03	0.001	0.002533
177	19-May	11:36:03	0.002	0.002533
178	19-May	11:37:03	0.003	0.0024
179	19-May	11:38:03	0.002	0.002467
180	19-May	11:39:03	0.002	0.002467
181	19-May	11:40:03	0.002	0.002533
182	19-May	11:41:03	0.004	0.002733
183	19-May	11:42:03	0.003	0.0024
184	19-May	11:43:03	0.005	0.002467
185	19-May	11:44:03	0.002	0.002533
186	19-May	11:45:03	0.002	0.002533
187	19-May	11:46:03	0.002	0.002467
188	19-May	11:47:03	0.003	0.002467
189	19-May	11:48:03	0.001	0.002333
190	19-May	11:49:03	0.001	0.002333
191	19-May	11:50:03	0.005	0.0026
192	19-May	11:51:03	0.001	0.002533
193	19-May	11:52:03	0.005	0.002667
194	19-May	11:53:03	0.005	0.002867
195	19-May	11:54:03	0.004	0.003
196	19-May	11:55:03	0.002	0.003
197	19-May	11:56:03	0.001	0.0028
198	19-May	11:57:03	0.001	0.002667
199	19-May	11:58:03	0.007	0.0028
200	19-May	11:59:03	0.011	0.0034
201	19-May	12:00:03	0.001	0.003333
202	19-May	12:01:03	0.002	0.003333
203	19-May	12:02:03	0.001	0.0032
204	19-May	12:03:03	0	0.003133
205	19-May	12:04:03	0	0.003067
206	19-May	12:05:03	0.001	0.0028
207	19-May	12:06:03	0.008	0.003267
208	19-May	12:07:03	0.001	0.003
209	19-May	12:08:03	0.001	0.002733
210	19-May	12:09:03	0	0.002467
211	19-May	12:10:03	0	0.002333
212	19-May	12:11:03	0.002	0.0024
213	19-May	12:12:03	0	0.002333
214	19-May	12:13:03	0	0.001867
215	19-May	12:14:03	0	0.001133
216	19-May	12:15:03	0	0.001067
217	19-May	12:16:03	0	0.000933

Point	Date	Time	Avg.(mg/m3)	
218	19-May	12:17:03	0.003	0.001067
219	19-May	12:18:03	0	0.001067
220	19-May	12:19:03	0.001	0.001133
221	19-May	12:20:03	0	0.001067
222	19-May	12:21:03	0.002	0.000667
223	19-May	12:22:03	0.003	0.0008
224	19-May	12:23:03	0.001	0.0008
225	19-May	12:24:03	0.004	0.001067
226	19-May	12:25:03	0.003	0.001267
227	19-May	12:26:03	0.001	0.0012
228	19-May	12:27:03	0	0.0012
229	19-May	12:28:03	0.001	0.001267
230	19-May	12:29:03	0	0.001267
231	19-May	12:30:03	0.001	0.001333
232	19-May	12:31:03	0	0.001333
233	19-May	12:32:03	0	0.001133
234	19-May	12:33:03	0.001	0.0012
235	19-May	12:34:03	0.001	0.0012
236	19-May	12:35:03	0.001	0.001267
237	19-May	12:36:03	0.001	0.0012
238	19-May	12:37:03	0.001	0.001067
239	19-May	12:38:03	0.001	0.001067
240	19-May	12:39:03	0.001	0.000867
241	19-May	12:40:03	0.001	0.000733
242	19-May	12:41:03	0.001	0.000733
243	19-May	12:42:03	0.001	0.0008
244	19-May	12:43:03	0.003	0.000933
245	19-May	12:44:03	0.001	0.001
246	19-May	12:45:03	0.001	0.001
247	19-May	12:46:03	0.003	0.0012
248	19-May	12:47:03	0.001	0.001267
249	19-May	12:48:03	0.001	0.001267
250	19-May	12:49:03	0.002	0.001333
251	19-May	12:50:03	0.001	0.001333
252	19-May	12:51:03	0	0.001267
253	19-May	12:52:03	0.001	0.001267
254	19-May	12:53:03	0.002	0.001333
255	19-May	12:54:03	0.001	0.001333
256	19-May	12:55:03	0.002	0.0014
257	19-May	12:56:03	0.001	0.0014
258	19-May	12:57:03	0	0.001333
259	19-May	12:58:03	0	0.001133
260	19-May	12:59:03	0.001	0.001133
261	19-May	13:00:03	0.001	0.001133
262	19-May	13:01:03	0	0.000933
263	19-May	13:02:03	0	0.000867

Point	Date	Time	Avg.(mg/m3)	
264	19-May	13:03:03	0.001	0.000867
265	19-May	13:04:03	0	0.000733
266	19-May	13:05:03	0.001	0.000733
267	19-May	13:06:03	0.001	0.0008
268	19-May	13:07:03	0.001	0.0008
269	19-May	13:08:03	0.002	0.0008
270	19-May	13:09:03	0.001	0.0008
271	19-May	13:10:03	0.001	0.000733
272	19-May	13:11:03	0	0.000667
273	19-May	13:12:03	0.007	0.001133
274	19-May	13:13:03	0.001	0.0012
275	19-May	13:14:03	0.001	0.0012
276	19-May	13:15:03	0.003	0.001333
277	19-May	13:16:03	0	0.001333
278	19-May	13:17:03	0.001	0.0014
279	19-May	13:18:03	0.003	0.001533
280	19-May	13:19:03	0.001	0.0016
281	19-May	13:20:03	0.001	0.0016
282	19-May	13:21:03	0.002	0.001667
283	19-May	13:22:03	0.001	0.001667
284	19-May	13:23:03	0.004	0.0018
285	19-May	13:24:03	0	0.001733
286	19-May	13:25:03	0.001	0.001733
287	19-May	13:26:03	0.003	0.001933
288	19-May	13:27:03	0.007	0.001933
289	19-May	13:28:03	0.002	0.002
290	19-May	13:29:03	0.001	0.002
291	19-May	13:30:03	0.001	0.001867
292	19-May	13:31:03	0	0.001867
293	19-May	13:32:03	0.001	0.001867
294	19-May	13:33:03	0	0.001667
295	19-May	13:34:03	0.001	0.001667
296	19-May	13:35:03	0.002	0.001733
297	19-May	13:36:03	0.006	0.002
298	19-May	13:37:03	0	0.001933
299	19-May	13:38:03	0	0.001667
300	19-May	13:39:03	0	0.001667
301	19-May	13:40:03	0.008	0.002133
302	19-May	13:41:03	0	0.001933
303	19-May	13:42:03	0	0.001467
304	19-May	13:43:03	0.001	0.0014
305	19-May	13:44:03	0.004	0.0016
306	19-May	13:45:03	0	0.001533
307	19-May	13:46:03	0.002	0.001667
308	19-May	13:47:03	0.001	0.001667
309	19-May	13:48:03	0	0.001667

Point	Date	Time	Avg.(mg/m3)	
310	19-May	13:49:03	0.001	0.001667
311	19-May	13:50:03	0.003	0.001733
312	19-May	13:51:03	0.003	0.001533
313	19-May	13:52:03	0.003	0.001733
314	19-May	13:53:03	0	0.001733
315	19-May	13:54:03	0.001	0.0018
316	19-May	13:55:03	0	0.001267
317	19-May	13:56:03	0	0.001267
318	19-May	13:57:03	0	0.001267
319	19-May	13:58:03	0.006	0.0016
320	19-May	13:59:03	0.007	0.0018
321	19-May	14:00:03	0.001	0.001867
322	19-May	14:01:03	0.001	0.0018
323	19-May	14:02:03	0.001	0.0018
324	19-May	14:03:03	0.001	0.001867
325	19-May	14:04:03	0.001	0.001867
326	19-May	14:05:03	0.003	0.001867
327	19-May	14:06:03	0.001	0.001733
328	19-May	14:07:03	0.003	0.001733
329	19-May	14:08:03	0	0.001733
330	19-May	14:09:03	0.003	0.001867
331	19-May	14:10:03	0	0.001867
332	19-May	14:11:03	0.004	0.002133
333	19-May	14:12:03	0.008	0.002667
334	19-May	14:13:03	0.014	0.0032
335	19-May	14:14:03	0.002	0.002867
336	19-May	14:15:03	0.002	0.002933
337	19-May	14:16:03	0.018	0.004067
338	19-May	14:17:03	0.018	0.0052
339	19-May	14:18:03	0.011	0.005867
340	19-May	14:19:03	0.007	0.006267
341	19-May	14:20:03	0.002	0.0062
342	19-May	14:21:03	0.005	0.006467
343	19-May	14:22:03	0.002	0.0064
344	19-May	14:23:03	0	0.0064
345	19-May	14:24:03	0	0.0062
346	19-May	14:25:03	0.002	0.006333
347	19-May	14:26:03	0	0.006067
348	19-May	14:27:03	0	0.005533
349	19-May	14:28:03	0	0.0046
350	19-May	14:29:03	0	0.004467
351	19-May	14:30:03	0	0.004333
352	19-May	14:31:03	0	0.003133
353	19-May	14:32:03	0	0.001933
354	19-May	14:33:03	0.005	0.001533
355	19-May	14:34:03	0	0.001067

Point	Date	Time	Avg.(mg/m3)	
356	19-May	14:35:03	0	0.000933
357	19-May	14:36:03	0	0.0006
358	19-May	14:37:03	0.003	0.000667
359	19-May	14:38:03	0.001	0.000733
360	19-May	14:39:03	0	0.000733
361	19-May	14:40:03	0.004	0.000867
362	19-May	14:41:03	0	0.000867
363	19-May	14:42:03	0.001	0.000933
364	19-May	14:43:03	0.001	0.001
365	19-May	14:44:03	0.001	0.001067
366	19-May	14:45:03	0	0.001067
367	19-May	14:46:03	0.001	0.001133
368	19-May	14:47:03	0.001	0.0012
369	19-May	14:48:03	0.005	0.0012
370	19-May	14:49:03	0	0.0012
				0.006467

GX-6000 Data Sample (Interval Trend)

Item	Value
Period	4/19/2021 6:46:47 AM to 4/19/2021 4:01:49 PM
Serial No	963040021RN
Station ID	----------
User ID	----------
Sample Count	566
Interval Time(Sec)	60
Sensor	Avg. Value
VOC(6000ppm)	0.4 ppm

Min Value	Max Value	Min Date	Max Date
*****	76.3 ppm	*****	4/19/2021 10:42
Warning	Alarm	STEL	TWA
400.0 ppm	1000 ppm	60.0 ppm	40.0 ppm

No.	Date	VOC(6000ppm)
1	4/19/2021 6:47	AIR
2	4/19/2021 6:47	CAL ON
3	4/19/2021 6:47	0.0 ppm
4	4/19/2021 6:48	63.1 ppm
5	4/19/2021 6:49	69.2 ppm
6	4/19/2021 6:49	Fail(FLOW)
7	4/19/2021 6:49	NORMAL
8	4/19/2021 6:49	CAL OFF
9	4/19/2021 6:50	0.2 ppm
10	4/19/2021 6:51	0.0 ppm
11	4/19/2021 6:52	0.0 ppm
12	4/19/2021 6:53	0.0 ppm
13	4/19/2021 6:54	0.0 ppm
14	4/19/2021 6:55	0.0 ppm
15	4/19/2021 6:56	0.0 ppm
16	4/19/2021 6:57	0.0 ppm
17	4/19/2021 6:58	0.0 ppm
18	4/19/2021 6:59	0.0 ppm
19	4/19/2021 7:00	0.0 ppm
20	4/19/2021 7:01	0.0 ppm
21	4/19/2021 7:02	0.0 ppm
22	4/19/2021 7:03	0.0 ppm
23	4/19/2021 7:04	0.0 ppm
24	4/19/2021 7:05	0.0 ppm
25	4/19/2021 7:06	0.0 ppm
26	4/19/2021 7:07	0.0 ppm
27	4/19/2021 7:08	0.0 ppm
28	4/19/2021 7:09	0.0 ppm
29	4/19/2021 7:10	0.0 ppm
30	4/19/2021 7:11	0.0 ppm
31	4/19/2021 7:12	0.0 ppm
32	4/19/2021 7:13	0.0 ppm
33	4/19/2021 7:14	0.0 ppm
34	4/19/2021 7:15	0.0 ppm
35	4/19/2021 7:16	0.0 ppm

36	4/19/2021	7:17	0.0 ppm
37	4/19/2021	7:18	0.0 ppm
38	4/19/2021	7:19	0.0 ppm
39	4/19/2021	7:20	0.0 ppm
40	4/19/2021	7:21	0.2 ppm
41	4/19/2021	7:22	0.0 ppm
42	4/19/2021	7:23	0.0 ppm
43	4/19/2021	7:24	0.0 ppm
44	4/19/2021	7:25	0.0 ppm
45	4/19/2021	7:26	0.0 ppm
46	4/19/2021	7:27	0.0 ppm
47	4/19/2021	7:28	0.0 ppm
48	4/19/2021	7:29	0.0 ppm
49	4/19/2021	7:30	0.0 ppm
50	4/19/2021	7:31	0.0 ppm
51	4/19/2021	7:32	0.0 ppm
52	4/19/2021	7:33	0.0 ppm
53	4/19/2021	7:34	0.0 ppm
54	4/19/2021	7:35	0.0 ppm
55	4/19/2021	7:36	0.0 ppm
56	4/19/2021	7:37	0.0 ppm
57	4/19/2021	7:38	0.0 ppm
58	4/19/2021	7:39	0.0 ppm
59	4/19/2021	7:40	0.0 ppm
60	4/19/2021	7:41	0.0 ppm
61	4/19/2021	7:42	0.0 ppm
62	4/19/2021	7:43	0.0 ppm
63	4/19/2021	7:44	0.0 ppm
64	4/19/2021	7:45	0.0 ppm
65	4/19/2021	7:46	0.0 ppm
66	4/19/2021	7:47	0.0 ppm
67	4/19/2021	7:48	0.0 ppm
68	4/19/2021	7:49	0.0 ppm
69	4/19/2021	7:50	0.0 ppm
70	4/19/2021	7:51	0.0 ppm
71	4/19/2021	7:52	0.0 ppm
72	4/19/2021	7:53	0.0 ppm
73	4/19/2021	7:54	0.0 ppm
74	4/19/2021	7:55	0.0 ppm
75	4/19/2021	7:56	0.0 ppm
76	4/19/2021	7:57	0.0 ppm
77	4/19/2021	7:58	0.0 ppm
78	4/19/2021	7:59	0.0 ppm
79	4/19/2021	8:00	0.0 ppm
80	4/19/2021	8:01	0.0 ppm
81	4/19/2021	8:02	0.0 ppm
82	4/19/2021	8:03	0.0 ppm

83	4/19/2021 8:04	0.0 ppm
84	4/19/2021 8:05	0.0 ppm
85	4/19/2021 8:06	0.0 ppm
86	4/19/2021 8:07	0.0 ppm
87	4/19/2021 8:08	0.0 ppm
88	4/19/2021 8:09	0.0 ppm
89	4/19/2021 8:10	0.0 ppm
90	4/19/2021 8:11	0.0 ppm
91	4/19/2021 8:12	0.0 ppm
92	4/19/2021 8:13	0.0 ppm
93	4/19/2021 8:14	0.0 ppm
94	4/19/2021 8:15	0.0 ppm
95	4/19/2021 8:16	0.0 ppm
96	4/19/2021 8:17	0.0 ppm
97	4/19/2021 8:18	0.0 ppm
98	4/19/2021 8:19	0.0 ppm
99	4/19/2021 8:20	0.0 ppm
100	4/19/2021 8:21	0.0 ppm
101	4/19/2021 8:22	0.0 ppm
102	4/19/2021 8:23	0.0 ppm
103	4/19/2021 8:24	0.0 ppm
104	4/19/2021 8:25	0.0 ppm
105	4/19/2021 8:26	0.0 ppm
106	4/19/2021 8:27	0.0 ppm
107	4/19/2021 8:28	0.0 ppm
108	4/19/2021 8:29	0.0 ppm
109	4/19/2021 8:30	0.0 ppm
110	4/19/2021 8:31	0.0 ppm
111	4/19/2021 8:32	0.0 ppm
112	4/19/2021 8:33	0.0 ppm
113	4/19/2021 8:34	0.0 ppm
114	4/19/2021 8:35	0.0 ppm
115	4/19/2021 8:36	0.0 ppm
116	4/19/2021 8:37	0.0 ppm
117	4/19/2021 8:38	0.0 ppm
118	4/19/2021 8:39	0.0 ppm
119	4/19/2021 8:40	0.0 ppm
120	4/19/2021 8:41	0.0 ppm
121	4/19/2021 8:42	0.0 ppm
122	4/19/2021 8:43	0.0 ppm
123	4/19/2021 8:44	0.0 ppm
124	4/19/2021 8:45	0.0 ppm
125	4/19/2021 8:46	0.0 ppm
126	4/19/2021 8:47	0.0 ppm
127	4/19/2021 8:48	0.0 ppm
128	4/19/2021 8:49	0.0 ppm
129	4/19/2021 8:50	0.0 ppm

130	4/19/2021	8:51	0.0 ppm
131	4/19/2021	8:52	0.0 ppm
132	4/19/2021	8:53	0.0 ppm
133	4/19/2021	8:54	0.0 ppm
134	4/19/2021	8:55	0.0 ppm
135	4/19/2021	8:56	0.0 ppm
136	4/19/2021	8:57	0.0 ppm
137	4/19/2021	8:58	0.0 ppm
138	4/19/2021	8:59	0.0 ppm
139	4/19/2021	9:00	0.0 ppm
140	4/19/2021	9:01	0.0 ppm
141	4/19/2021	9:02	0.0 ppm
142	4/19/2021	9:03	0.0 ppm
143	4/19/2021	9:04	0.0 ppm
144	4/19/2021	9:05	0.0 ppm
145	4/19/2021	9:06	0.0 ppm
146	4/19/2021	9:07	0.0 ppm
147	4/19/2021	9:08	0.0 ppm
148	4/19/2021	9:09	0.0 ppm
149	4/19/2021	9:10	0.0 ppm
150	4/19/2021	9:11	0.0 ppm
151	4/19/2021	9:12	0.0 ppm
152	4/19/2021	9:13	0.0 ppm
153	4/19/2021	9:14	0.0 ppm
154	4/19/2021	9:15	0.0 ppm
155	4/19/2021	9:16	0.0 ppm
156	4/19/2021	9:17	0.0 ppm
157	4/19/2021	9:18	0.0 ppm
158	4/19/2021	9:19	0.0 ppm
159	4/19/2021	9:20	0.0 ppm
160	4/19/2021	9:21	0.0 ppm
161	4/19/2021	9:22	0.0 ppm
162	4/19/2021	9:23	0.0 ppm
163	4/19/2021	9:24	0.0 ppm
164	4/19/2021	9:25	0.0 ppm
165	4/19/2021	9:26	0.0 ppm
166	4/19/2021	9:27	0.0 ppm
167	4/19/2021	9:28	0.0 ppm
168	4/19/2021	9:29	0.0 ppm
169	4/19/2021	9:30	0.0 ppm
170	4/19/2021	9:31	0.0 ppm
171	4/19/2021	9:32	0.0 ppm
172	4/19/2021	9:33	0.0 ppm
173	4/19/2021	9:34	0.0 ppm
174	4/19/2021	9:35	0.0 ppm
175	4/19/2021	9:36	0.0 ppm
176	4/19/2021	9:37	0.0 ppm

177	4/19/2021 9:38	0.0 ppm
178	4/19/2021 9:39	0.0 ppm
179	4/19/2021 9:40	0.0 ppm
180	4/19/2021 9:41	0.0 ppm
181	4/19/2021 9:42	0.0 ppm
182	4/19/2021 9:43	0.0 ppm
183	4/19/2021 9:44	0.0 ppm
184	4/19/2021 9:45	0.0 ppm
185	4/19/2021 9:46	0.0 ppm
186	4/19/2021 9:47	0.0 ppm
187	4/19/2021 9:48	0.0 ppm
188	4/19/2021 9:49	0.0 ppm
189	4/19/2021 9:50	0.0 ppm
190	4/19/2021 9:51	0.0 ppm
191	4/19/2021 9:52	0.0 ppm
192	4/19/2021 9:53	0.0 ppm
193	4/19/2021 9:54	0.0 ppm
194	4/19/2021 9:55	0.0 ppm
195	4/19/2021 9:56	0.0 ppm
196	4/19/2021 9:57	0.0 ppm
197	4/19/2021 9:58	0.0 ppm
198	4/19/2021 9:59	0.0 ppm
199	4/19/2021 10:00	0.0 ppm
200	4/19/2021 10:01	0.0 ppm
201	4/19/2021 10:02	0.0 ppm
202	4/19/2021 10:03	0.0 ppm
203	4/19/2021 10:04	0.0 ppm
204	4/19/2021 10:05	0.0 ppm
205	4/19/2021 10:06	0.0 ppm
206	4/19/2021 10:07	0.0 ppm
207	4/19/2021 10:08	0.1 ppm
208	4/19/2021 10:09	0.5 ppm
209	4/19/2021 10:10	0.8 ppm
210	4/19/2021 10:11	3.9 ppm
211	4/19/2021 10:12	3.8 ppm
212	4/19/2021 10:13	1.9 ppm
213	4/19/2021 10:14	1.0 ppm
214	4/19/2021 10:15	0.4 ppm
215	4/19/2021 10:16	0.1 ppm
216	4/19/2021 10:17	0.3 ppm
217	4/19/2021 10:18	0.0 ppm
218	4/19/2021 10:19	0.1 ppm
219	4/19/2021 10:20	0.0 ppm
220	4/19/2021 10:21	0.0 ppm
221	4/19/2021 10:22	4.3 ppm
222	4/19/2021 10:23	3.4 ppm
223	4/19/2021 10:24	1.8 ppm

224	4/19/2021	10:25	1.3 ppm
225	4/19/2021	10:26	1.1 ppm
226	4/19/2021	10:27	1.8 ppm
227	4/19/2021	10:28	1.7 ppm
228	4/19/2021	10:29	1.7 ppm
229	4/19/2021	10:30	1.4 ppm
230	4/19/2021	10:31	0.8 ppm
231	4/19/2021	10:32	0.6 ppm
232	4/19/2021	10:33	0.3 ppm
233	4/19/2021	10:34	0.1 ppm
234	4/19/2021	10:35	0.0 ppm
235	4/19/2021	10:36	0.0 ppm
236	4/19/2021	10:37	0.0 ppm
237	4/19/2021	10:38	0.0 ppm
238	4/19/2021	10:39	0.0 ppm
239	4/19/2021	10:40	0.0 ppm
240	4/19/2021	10:41	0.0 ppm
241	4/19/2021	10:42	5.2 ppm
242	4/19/2021	10:43	0.2 ppm
243	4/19/2021	10:44	0.0 ppm
244	4/19/2021	10:45	0.0 ppm
245	4/19/2021	10:46	0.0 ppm
246	4/19/2021	10:47	0.9 ppm
247	4/19/2021	10:48	2.1 ppm
248	4/19/2021	10:49	1.4 ppm
249	4/19/2021	10:50	2.0 ppm
250	4/19/2021	10:51	1.6 ppm
251	4/19/2021	10:52	1.0 ppm
252	4/19/2021	10:53	0.5 ppm
253	4/19/2021	10:54	0.5 ppm
254	4/19/2021	10:55	0.3 ppm
255	4/19/2021	10:56	0.2 ppm
256	4/19/2021	10:57	0.1 ppm
257	4/19/2021	10:58	0.3 ppm
258	4/19/2021	10:59	0.7 ppm
259	4/19/2021	11:00	0.5 ppm
260	4/19/2021	11:01	0.5 ppm
261	4/19/2021	11:02	0.7 ppm
262	4/19/2021	11:03	0.8 ppm
263	4/19/2021	11:04	0.5 ppm
264	4/19/2021	11:05	0.5 ppm
265	4/19/2021	11:06	0.7 ppm
266	4/19/2021	11:07	0.5 ppm
267	4/19/2021	11:08	0.8 ppm
268	4/19/2021	11:09	0.7 ppm
269	4/19/2021	11:10	0.7 ppm
270	4/19/2021	11:11	0.8 ppm

271	4/19/2021	11:12	0.8 ppm
272	4/19/2021	11:13	0.8 ppm
273	4/19/2021	11:14	0.5 ppm
274	4/19/2021	11:15	0.2 ppm
275	4/19/2021	11:16	0.0 ppm
276	4/19/2021	11:17	0.1 ppm
277	4/19/2021	11:18	0.3 ppm
278	4/19/2021	11:19	0.2 ppm
279	4/19/2021	11:20	0.0 ppm
280	4/19/2021	11:21	0.0 ppm
281	4/19/2021	11:22	0.0 ppm
282	4/19/2021	11:23	0.0 ppm
283	4/19/2021	11:24	0.0 ppm
284	4/19/2021	11:25	0.1 ppm
285	4/19/2021	11:26	0.1 ppm
286	4/19/2021	11:27	0.1 ppm
287	4/19/2021	11:28	0.2 ppm
288	4/19/2021	11:29	0.3 ppm
289	4/19/2021	11:30	0.3 ppm
290	4/19/2021	11:31	0.9 ppm
291	4/19/2021	11:32	0.7 ppm
292	4/19/2021	11:33	0.7 ppm
293	4/19/2021	11:34	0.9 ppm
294	4/19/2021	11:35	0.4 ppm
295	4/19/2021	11:36	0.2 ppm
296	4/19/2021	11:37	0.1 ppm
297	4/19/2021	11:38	0.1 ppm
298	4/19/2021	11:39	0.1 ppm
299	4/19/2021	11:40	0.2 ppm
300	4/19/2021	11:41	0.2 ppm
301	4/19/2021	11:42	0.2 ppm
302	4/19/2021	11:43	0.1 ppm
303	4/19/2021	11:44	0.2 ppm
304	4/19/2021	11:45	0.1 ppm
305	4/19/2021	11:46	0.0 ppm
306	4/19/2021	11:47	0.0 ppm
307	4/19/2021	11:48	0.0 ppm
308	4/19/2021	11:49	0.0 ppm
309	4/19/2021	11:50	0.0 ppm
310	4/19/2021	11:51	0.0 ppm
311	4/19/2021	11:52	0.0 ppm
312	4/19/2021	11:53	0.0 ppm
313	4/19/2021	11:54	0.0 ppm
314	4/19/2021	11:55	0.0 ppm
315	4/19/2021	11:56	0.0 ppm
316	4/19/2021	11:57	0.0 ppm
317	4/19/2021	11:58	0.0 ppm

318	4/19/2021	11:59	0.0 ppm
319	4/19/2021	12:00	0.0 ppm
320	4/19/2021	12:01	0.0 ppm
321	4/19/2021	12:02	0.0 ppm
322	4/19/2021	12:03	0.0 ppm
323	4/19/2021	12:04	0.0 ppm
324	4/19/2021	12:05	0.0 ppm
325	4/19/2021	12:06	0.0 ppm
326	4/19/2021	12:07	0.0 ppm
327	4/19/2021	12:08	0.0 ppm
328	4/19/2021	12:09	0.0 ppm
329	4/19/2021	12:10	0.0 ppm
330	4/19/2021	12:11	0.0 ppm
331	4/19/2021	12:12	0.0 ppm
332	4/19/2021	12:13	0.0 ppm
333	4/19/2021	12:14	0.0 ppm
334	4/19/2021	12:15	0.0 ppm
335	4/19/2021	12:16	0.0 ppm
336	4/19/2021	12:17	0.0 ppm
337	4/19/2021	12:18	0.0 ppm
338	4/19/2021	12:19	2.7 ppm
339	4/19/2021	12:20	0.4 ppm
340	4/19/2021	12:21	0.0 ppm
341	4/19/2021	12:22	0.0 ppm
342	4/19/2021	12:23	0.0 ppm
343	4/19/2021	12:24	0.0 ppm
344	4/19/2021	12:25	0.0 ppm
345	4/19/2021	12:26	0.0 ppm
346	4/19/2021	12:27	0.0 ppm
347	4/19/2021	12:28	0.0 ppm
348	4/19/2021	12:29	0.0 ppm
349	4/19/2021	12:30	0.0 ppm
350	4/19/2021	12:31	0.0 ppm
351	4/19/2021	12:32	0.0 ppm
352	4/19/2021	12:33	0.0 ppm
353	4/19/2021	12:34	0.0 ppm
354	4/19/2021	12:35	0.0 ppm
355	4/19/2021	12:36	0.0 ppm
356	4/19/2021	12:37	0.0 ppm
357	4/19/2021	12:38	0.0 ppm
358	4/19/2021	12:39	0.0 ppm
359	4/19/2021	12:40	0.0 ppm
360	4/19/2021	12:41	0.0 ppm
361	4/19/2021	12:42	0.0 ppm
362	4/19/2021	12:43	0.0 ppm
363	4/19/2021	12:44	0.0 ppm
364	4/19/2021	12:45	0.0 ppm

365	4/19/2021	12:46	0.0 ppm
366	4/19/2021	12:47	0.0 ppm
367	4/19/2021	12:48	0.0 ppm
368	4/19/2021	12:49	0.0 ppm
369	4/19/2021	12:50	0.0 ppm
370	4/19/2021	12:51	0.0 ppm
371	4/19/2021	12:52	0.0 ppm
372	4/19/2021	12:53	0.0 ppm
373	4/19/2021	12:54	0.0 ppm
374	4/19/2021	12:55	0.0 ppm
375	4/19/2021	12:56	0.0 ppm
376	4/19/2021	12:57	0.0 ppm
377	4/19/2021	12:58	0.0 ppm
378	4/19/2021	12:59	0.0 ppm
379	4/19/2021	13:00	0.0 ppm
380	4/19/2021	13:01	0.0 ppm
381	4/19/2021	13:02	0.0 ppm
382	4/19/2021	13:03	0.0 ppm
383	4/19/2021	13:04	0.0 ppm
384	4/19/2021	13:05	0.0 ppm
385	4/19/2021	13:06	0.0 ppm
386	4/19/2021	13:07	0.0 ppm
387	4/19/2021	13:08	0.0 ppm
388	4/19/2021	13:09	0.0 ppm
389	4/19/2021	13:10	0.0 ppm
390	4/19/2021	13:11	0.0 ppm
391	4/19/2021	13:12	0.0 ppm
392	4/19/2021	13:13	0.0 ppm
393	4/19/2021	13:14	0.0 ppm
394	4/19/2021	13:15	0.0 ppm
395	4/19/2021	13:16	0.0 ppm
396	4/19/2021	13:17	0.0 ppm
397	4/19/2021	13:18	0.0 ppm
398	4/19/2021	13:19	0.0 ppm
399	4/19/2021	13:20	0.0 ppm
400	4/19/2021	13:21	0.0 ppm
401	4/19/2021	13:22	0.0 ppm
402	4/19/2021	13:23	0.0 ppm
403	4/19/2021	13:24	0.0 ppm
404	4/19/2021	13:25	0.0 ppm
405	4/19/2021	13:26	0.0 ppm
406	4/19/2021	13:27	0.0 ppm
407	4/19/2021	13:28	0.0 ppm
408	4/19/2021	13:29	0.0 ppm
409	4/19/2021	13:30	0.0 ppm
410	4/19/2021	13:31	0.0 ppm
411	4/19/2021	13:32	0.0 ppm

412	4/19/2021 13:33	0.0 ppm
413	4/19/2021 13:34	0.0 ppm
414	4/19/2021 13:35	0.0 ppm
415	4/19/2021 13:36	0.0 ppm
416	4/19/2021 13:37	0.0 ppm
417	4/19/2021 13:38	0.0 ppm
418	4/19/2021 13:39	0.0 ppm
419	4/19/2021 13:40	0.0 ppm
420	4/19/2021 13:41	0.0 ppm
421	4/19/2021 13:42	0.0 ppm
422	4/19/2021 13:43	0.0 ppm
423	4/19/2021 13:44	0.0 ppm
424	4/19/2021 13:45	0.0 ppm
425	4/19/2021 13:46	1.1 ppm
426	4/19/2021 13:47	1.9 ppm
427	4/19/2021 13:48	3.8 ppm
428	4/19/2021 13:49	2.9 ppm
429	4/19/2021 13:50	1.7 ppm
430	4/19/2021 13:51	1.1 ppm
431	4/19/2021 13:52	0.5 ppm
432	4/19/2021 13:53	0.4 ppm
433	4/19/2021 13:54	0.2 ppm
434	4/19/2021 13:55	0.3 ppm
435	4/19/2021 13:56	0.3 ppm
436	4/19/2021 13:57	0.5 ppm
437	4/19/2021 13:58	0.3 ppm
438	4/19/2021 13:59	0.3 ppm
439	4/19/2021 14:00	0.1 ppm
440	4/19/2021 14:01	0.1 ppm
441	4/19/2021 14:02	0.0 ppm
442	4/19/2021 14:03	0.0 ppm
443	4/19/2021 14:04	0.0 ppm
444	4/19/2021 14:05	0.6 ppm
445	4/19/2021 14:06	0.8 ppm
446	4/19/2021 14:07	0.7 ppm
447	4/19/2021 14:08	0.4 ppm
448	4/19/2021 14:09	0.3 ppm
449	4/19/2021 14:10	0.2 ppm
450	4/19/2021 14:11	0.1 ppm
451	4/19/2021 14:12	0.1 ppm
452	4/19/2021 14:13	0.1 ppm
453	4/19/2021 14:14	0.1 ppm
454	4/19/2021 14:15	0.0 ppm
455	4/19/2021 14:16	0.0 ppm
456	4/19/2021 14:17	0.0 ppm
457	4/19/2021 14:18	0.0 ppm
458	4/19/2021 14:19	0.0 ppm

459	4/19/2021	14:20	1.3 ppm
460	4/19/2021	14:21	1.4 ppm
461	4/19/2021	14:22	1.0 ppm
462	4/19/2021	14:23	0.8 ppm
463	4/19/2021	14:24	0.5 ppm
464	4/19/2021	14:25	0.3 ppm
465	4/19/2021	14:26	0.2 ppm
466	4/19/2021	14:27	0.1 ppm
467	4/19/2021	14:28	0.1 ppm
468	4/19/2021	14:29	0.1 ppm
469	4/19/2021	14:30	0.0 ppm
470	4/19/2021	14:31	0.0 ppm
471	4/19/2021	14:32	0.0 ppm
472	4/19/2021	14:33	0.0 ppm
473	4/19/2021	14:34	0.0 ppm
474	4/19/2021	14:35	0.0 ppm
475	4/19/2021	14:36	0.0 ppm
476	4/19/2021	14:37	0.7 ppm
477	4/19/2021	14:37	Fail(FLOW)
478	4/19/2021	14:37	NORMAL
479	4/19/2021	14:38	Fail(FLOW)
480	4/19/2021	14:38	NORMAL
481	4/19/2021	14:38	0.1 ppm
482	4/19/2021	14:39	0.0 ppm
483	4/19/2021	14:40	0.0 ppm
484	4/19/2021	14:41	0.0 ppm
485	4/19/2021	14:42	0.0 ppm
486	4/19/2021	14:43	1.4 ppm
487	4/19/2021	14:44	1.6 ppm
488	4/19/2021	14:45	0.8 ppm
489	4/19/2021	14:46	0.3 ppm
490	4/19/2021	14:47	0.0 ppm
491	4/19/2021	14:48	0.0 ppm
492	4/19/2021	14:49	0.0 ppm
493	4/19/2021	14:50	0.0 ppm
494	4/19/2021	14:51	0.0 ppm
495	4/19/2021	14:52	0.0 ppm
496	4/19/2021	14:53	0.0 ppm
497	4/19/2021	14:54	0.0 ppm
498	4/19/2021	14:55	0.0 ppm
499	4/19/2021	14:56	0.0 ppm
500	4/19/2021	14:57	0.0 ppm
501	4/19/2021	14:58	0.0 ppm
502	4/19/2021	14:59	0.0 ppm
503	4/19/2021	15:00	0.0 ppm
504	4/19/2021	15:01	0.0 ppm
505	4/19/2021	15:02	0.0 ppm

506	4/19/2021	15:03	0.0 ppm
507	4/19/2021	15:04	0.0 ppm
508	4/19/2021	15:05	0.0 ppm
509	4/19/2021	15:06	0.0 ppm
510	4/19/2021	15:07	0.0 ppm
511	4/19/2021	15:08	0.0 ppm
512	4/19/2021	15:09	0.0 ppm
513	4/19/2021	15:10	0.0 ppm
514	4/19/2021	15:11	0.0 ppm
515	4/19/2021	15:12	0.0 ppm
516	4/19/2021	15:13	0.0 ppm
517	4/19/2021	15:14	0.0 ppm
518	4/19/2021	15:15	0.0 ppm
519	4/19/2021	15:16	0.0 ppm
520	4/19/2021	15:17	0.0 ppm
521	4/19/2021	15:18	0.4 ppm
522	4/19/2021	15:19	0.4 ppm
523	4/19/2021	15:20	0.9 ppm
524	4/19/2021	15:21	Fail(FLOW)
525	4/19/2021	15:21	NORMAL
526	4/19/2021	15:21	0.4 ppm
527	4/19/2021	15:22	0.1 ppm
528	4/19/2021	15:23	0.1 ppm
529	4/19/2021	15:24	0.1 ppm
530	4/19/2021	15:25	0.8 ppm
531	4/19/2021	15:26	1.6 ppm
532	4/19/2021	15:27	1.7 ppm
533	4/19/2021	15:28	2.0 ppm
534	4/19/2021	15:29	1.3 ppm
535	4/19/2021	15:30	2.2 ppm
536	4/19/2021	15:31	5.0 ppm
537	4/19/2021	15:32	4.8 ppm
538	4/19/2021	15:33	6.4 ppm
539	4/19/2021	15:34	5.0 ppm
540	4/19/2021	15:35	4.1 ppm
541	4/19/2021	15:36	2.7 ppm
542	4/19/2021	15:37	3.8 ppm
543	4/19/2021	15:38	3.4 ppm
544	4/19/2021	15:39	4.6 ppm
545	4/19/2021	15:40	6.1 ppm
546	4/19/2021	15:41	5.1 ppm
547	4/19/2021	15:42	3.7 ppm
548	4/19/2021	15:43	3.6 ppm
549	4/19/2021	15:44	3.7 ppm
550	4/19/2021	15:45	3.8 ppm
551	4/19/2021	15:46	3.5 ppm
552	4/19/2021	15:47	4.1 ppm

553	4/19/2021 15:48	4.2 ppm
554	4/19/2021 15:49	4.0 ppm
555	4/19/2021 15:50	5.6 ppm
556	4/19/2021 15:51	9.4 ppm
557	4/19/2021 15:52	6.4 ppm
558	4/19/2021 15:53	6.0 ppm
559	4/19/2021 15:54	4.2 ppm
560	4/19/2021 15:55	1.9 ppm
561	4/19/2021 15:56	1.9 ppm
562	4/19/2021 15:57	1.6 ppm
563	4/19/2021 15:58	1.2 ppm
564	4/19/2021 15:59	0.8 ppm
565	4/19/2021 16:00	1.0 ppm
566	4/19/2021 16:01	0.8 ppm

GX-6000 Data Sample (Interval Trend)

Item	Value					
Period	4/20/2021 7:13:36 AM to 4/20/2021 1:07:11 PM					
Serial No	963040021RN					
Station ID	----------		Min Value	Max Value	Min Date	Max Date
User ID	----------		*****	14.9 ppm	*****	4/20/2021 9:58
Sample Count		359	Warning	Alarm	STEL	TWA
Interval Time(Sec)		60	400.0 ppm	1000 ppm	60.0 ppm	40.0 ppm
Sensor	Avg. Value					
VOC(6000ppm)	0.4 ppm					

No.	Date	VOC(6000ppm)
1	4/20/2021 7:14	0.0 ppm
2	4/20/2021 7:15	AIR
3	4/20/2021 7:15	CAL ON
4	4/20/2021 7:15	0.0 ppm
5	4/20/2021 7:16	Fail(FLOW)
6	4/20/2021 7:16	NORMAL
7	4/20/2021 7:16	CAL OFF
8	4/20/2021 7:16	77.0 ppm
9	4/20/2021 7:17	0.4 ppm
10	4/20/2021 7:18	0.4 ppm
11	4/20/2021 7:19	0.5 ppm
12	4/20/2021 7:20	0.6 ppm
13	4/20/2021 7:21	0.5 ppm
14	4/20/2021 7:22	0.5 ppm
15	4/20/2021 7:23	0.6 ppm
16	4/20/2021 7:24	0.7 ppm
17	4/20/2021 7:25	0.7 ppm
18	4/20/2021 7:26	0.7 ppm
19	4/20/2021 7:27	AIR
20	4/20/2021 7:27	0.4 ppm
21	4/20/2021 7:28	0.0 ppm
22	4/20/2021 7:29	0.1 ppm
23	4/20/2021 7:30	0.1 ppm
24	4/20/2021 7:31	0.1 ppm
25	4/20/2021 7:32	0.1 ppm
26	4/20/2021 7:33	0.1 ppm
27	4/20/2021 7:34	0.1 ppm
28	4/20/2021 7:35	0.1 ppm
29	4/20/2021 7:36	0.1 ppm
30	4/20/2021 7:37	0.0 ppm
31	4/20/2021 7:38	0.0 ppm
32	4/20/2021 7:39	0.0 ppm
33	4/20/2021 7:40	0.0 ppm
34	4/20/2021 7:41	0.0 ppm
35	4/20/2021 7:42	0.0 ppm

36	4/20/2021 7:43	0.0 ppm
37	4/20/2021 7:44	0.0 ppm
38	4/20/2021 7:45	0.0 ppm
39	4/20/2021 7:46	0.0 ppm
40	4/20/2021 7:47	0.0 ppm
41	4/20/2021 7:48	0.0 ppm
42	4/20/2021 7:49	0.0 ppm
43	4/20/2021 7:50	0.0 ppm
44	4/20/2021 7:51	0.0 ppm
45	4/20/2021 7:52	0.0 ppm
46	4/20/2021 7:53	0.0 ppm
47	4/20/2021 7:54	0.0 ppm
48	4/20/2021 7:55	0.0 ppm
49	4/20/2021 7:56	0.0 ppm
50	4/20/2021 7:57	0.0 ppm
51	4/20/2021 7:58	0.0 ppm
52	4/20/2021 7:59	0.0 ppm
53	4/20/2021 8:00	0.0 ppm
54	4/20/2021 8:01	0.0 ppm
55	4/20/2021 8:02	0.0 ppm
56	4/20/2021 8:03	0.0 ppm
57	4/20/2021 8:04	0.0 ppm
58	4/20/2021 8:05	0.0 ppm
59	4/20/2021 8:06	0.0 ppm
60	4/20/2021 8:07	0.0 ppm
61	4/20/2021 8:08	0.0 ppm
62	4/20/2021 8:09	0.0 ppm
63	4/20/2021 8:10	0.0 ppm
64	4/20/2021 8:11	0.0 ppm
65	4/20/2021 8:12	0.0 ppm
66	4/20/2021 8:13	0.0 ppm
67	4/20/2021 8:14	0.0 ppm
68	4/20/2021 8:15	0.0 ppm
69	4/20/2021 8:16	0.0 ppm
70	4/20/2021 8:17	0.0 ppm
71	4/20/2021 8:18	0.0 ppm
72	4/20/2021 8:19	0.0 ppm
73	4/20/2021 8:20	0.0 ppm
74	4/20/2021 8:21	0.0 ppm
75	4/20/2021 8:22	0.0 ppm
76	4/20/2021 8:23	0.0 ppm
77	4/20/2021 8:24	0.0 ppm
78	4/20/2021 8:25	0.3 ppm
79	4/20/2021 8:26	0.7 ppm
80	4/20/2021 8:27	0.7 ppm
81	4/20/2021 8:28	0.9 ppm
82	4/20/2021 8:29	1.0 ppm

83	4/20/2021	8:30	1.1 ppm
84	4/20/2021	8:31	0.9 ppm
85	4/20/2021	8:32	1.0 ppm
86	4/20/2021	8:33	0.9 ppm
87	4/20/2021	8:34	0.9 ppm
88	4/20/2021	8:35	0.9 ppm
89	4/20/2021	8:36	0.8 ppm
90	4/20/2021	8:37	0.7 ppm
91	4/20/2021	8:38	0.7 ppm
92	4/20/2021	8:39	1.3 ppm
93	4/20/2021	8:40	0.5 ppm
94	4/20/2021	8:41	0.6 ppm
95	4/20/2021	8:42	3.3 ppm
96	4/20/2021	8:43	2.8 ppm
97	4/20/2021	8:44	3.8 ppm
98	4/20/2021	8:45	2.6 ppm
99	4/20/2021	8:46	3.0 ppm
100	4/20/2021	8:47	3.5 ppm
101	4/20/2021	8:48	3.5 ppm
102	4/20/2021	8:49	3.1 ppm
103	4/20/2021	8:50	2.7 ppm
104	4/20/2021	8:51	2.9 ppm
105	4/20/2021	8:52	3.4 ppm
106	4/20/2021	8:53	3.3 ppm
107	4/20/2021	8:54	2.5 ppm
108	4/20/2021	8:55	1.7 ppm
109	4/20/2021	8:56	1.9 ppm
110	4/20/2021	8:57	1.3 ppm
111	4/20/2021	8:58	1.0 ppm
112	4/20/2021	8:59	0.9 ppm
113	4/20/2021	9:00	0.7 ppm
114	4/20/2021	9:01	0.6 ppm
115	4/20/2021	9:02	0.4 ppm
116	4/20/2021	9:03	0.7 ppm
117	4/20/2021	9:04	0.6 ppm
118	4/20/2021	9:05	0.7 ppm
119	4/20/2021	9:06	0.6 ppm
120	4/20/2021	9:07	0.7 ppm
121	4/20/2021	9:08	0.6 ppm
122	4/20/2021	9:09	0.6 ppm
123	4/20/2021	9:10	0.5 ppm
124	4/20/2021	9:11	0.4 ppm
125	4/20/2021	9:12	0.4 ppm
126	4/20/2021	9:13	0.5 ppm
127	4/20/2021	9:14	0.4 ppm
128	4/20/2021	9:15	0.4 ppm
129	4/20/2021	9:16	0.3 ppm

130	4/20/2021 9:17	0.2 ppm
131	4/20/2021 9:18	0.3 ppm
132	4/20/2021 9:19	0.2 ppm
133	4/20/2021 9:20	0.3 ppm
134	4/20/2021 9:21	0.4 ppm
135	4/20/2021 9:22	0.3 ppm
136	4/20/2021 9:23	0.2 ppm
137	4/20/2021 9:24	0.2 ppm
138	4/20/2021 9:25	0.1 ppm
139	4/20/2021 9:26	0.2 ppm
140	4/20/2021 9:27	0.2 ppm
141	4/20/2021 9:28	0.2 ppm
142	4/20/2021 9:29	0.0 ppm
143	4/20/2021 9:30	0.0 ppm
144	4/20/2021 9:31	0.0 ppm
145	4/20/2021 9:32	0.0 ppm
146	4/20/2021 9:33	0.0 ppm
147	4/20/2021 9:34	0.0 ppm
148	4/20/2021 9:35	0.0 ppm
149	4/20/2021 9:36	0.0 ppm
150	4/20/2021 9:37	0.0 ppm
151	4/20/2021 9:38	0.0 ppm
152	4/20/2021 9:39	0.0 ppm
153	4/20/2021 9:40	0.0 ppm
154	4/20/2021 9:41	0.0 ppm
155	4/20/2021 9:42	0.0 ppm
156	4/20/2021 9:43	0.0 ppm
157	4/20/2021 9:44	0.0 ppm
158	4/20/2021 9:45	0.0 ppm
159	4/20/2021 9:46	0.0 ppm
160	4/20/2021 9:47	0.0 ppm
161	4/20/2021 9:48	0.0 ppm
162	4/20/2021 9:49	0.0 ppm
163	4/20/2021 9:50	0.0 ppm
164	4/20/2021 9:51	1.6 ppm
165	4/20/2021 9:52	0.5 ppm
166	4/20/2021 9:53	0.3 ppm
167	4/20/2021 9:54	0.1 ppm
168	4/20/2021 9:55	0.1 ppm
169	4/20/2021 9:56	0.2 ppm
170	4/20/2021 9:57	0.6 ppm
171	4/20/2021 9:58	4.1 ppm
172	4/20/2021 9:59	1.6 ppm
173	4/20/2021 10:00	0.7 ppm
174	4/20/2021 10:01	0.5 ppm
175	4/20/2021 10:02	0.3 ppm
176	4/20/2021 10:03	0.2 ppm

177	4/20/2021 10:04	0.1 ppm
178	4/20/2021 10:05	0.5 ppm
179	4/20/2021 10:06	0.6 ppm
180	4/20/2021 10:07	0.6 ppm
181	4/20/2021 10:08	0.5 ppm
182	4/20/2021 10:09	0.4 ppm
183	4/20/2021 10:10	0.5 ppm
184	4/20/2021 10:11	0.6 ppm
185	4/20/2021 10:12	0.6 ppm
186	4/20/2021 10:13	0.6 ppm
187	4/20/2021 10:14	0.7 ppm
188	4/20/2021 10:15	0.6 ppm
189	4/20/2021 10:16	0.5 ppm
190	4/20/2021 10:17	0.4 ppm
191	4/20/2021 10:18	0.4 ppm
192	4/20/2021 10:19	1.5 ppm
193	4/20/2021 10:20	4.3 ppm
194	4/20/2021 10:21	4.5 ppm
195	4/20/2021 10:22	3.7 ppm
196	4/20/2021 10:23	3.8 ppm
197	4/20/2021 10:24	1.2 ppm
198	4/20/2021 10:25	0.8 ppm
199	4/20/2021 10:26	0.7 ppm
200	4/20/2021 10:27	0.5 ppm
201	4/20/2021 10:28	0.4 ppm
202	4/20/2021 10:29	0.4 ppm
203	4/20/2021 10:30	0.5 ppm
204	4/20/2021 10:31	0.4 ppm
205	4/20/2021 10:32	0.5 ppm
206	4/20/2021 10:33	0.5 ppm
207	4/20/2021 10:34	0.4 ppm
208	4/20/2021 10:35	0.4 ppm
209	4/20/2021 10:36	0.4 ppm
210	4/20/2021 10:37	0.3 ppm
211	4/20/2021 10:38	0.3 ppm
212	4/20/2021 10:39	0.3 ppm
213	4/20/2021 10:40	0.3 ppm
214	4/20/2021 10:41	0.2 ppm
215	4/20/2021 10:42	0.1 ppm
216	4/20/2021 10:43	0.1 ppm
217	4/20/2021 10:44	0.1 ppm
218	4/20/2021 10:45	0.3 ppm
219	4/20/2021 10:46	0.2 ppm
220	4/20/2021 10:47	0.2 ppm
221	4/20/2021 10:48	0.1 ppm
222	4/20/2021 10:49	0.2 ppm
223	4/20/2021 10:50	0.3 ppm

224	4/20/2021	10:51	0.4 ppm
225	4/20/2021	10:52	0.4 ppm
226	4/20/2021	10:53	0.4 ppm
227	4/20/2021	10:54	0.4 ppm
228	4/20/2021	10:55	0.4 ppm
229	4/20/2021	10:56	0.3 ppm
230	4/20/2021	10:57	0.3 ppm
231	4/20/2021	10:58	0.3 ppm
232	4/20/2021	10:59	0.3 ppm
233	4/20/2021	11:00	0.4 ppm
234	4/20/2021	11:01	0.4 ppm
235	4/20/2021	11:02	0.3 ppm
236	4/20/2021	11:03	0.3 ppm
237	4/20/2021	11:04	0.4 ppm
238	4/20/2021	11:05	0.5 ppm
239	4/20/2021	11:06	0.4 ppm
240	4/20/2021	11:07	0.5 ppm
241	4/20/2021	11:08	0.4 ppm
242	4/20/2021	11:09	0.4 ppm
243	4/20/2021	11:10	0.3 ppm
244	4/20/2021	11:11	0.3 ppm
245	4/20/2021	11:12	0.3 ppm
246	4/20/2021	11:13	0.3 ppm
247	4/20/2021	11:14	0.4 ppm
248	4/20/2021	11:15	0.4 ppm
249	4/20/2021	11:16	0.4 ppm
250	4/20/2021	11:17	0.4 ppm
251	4/20/2021	11:18	0.4 ppm
252	4/20/2021	11:19	0.4 ppm
253	4/20/2021	11:20	0.3 ppm
254	4/20/2021	11:21	0.3 ppm
255	4/20/2021	11:22	0.3 ppm
256	4/20/2021	11:23	0.4 ppm
257	4/20/2021	11:24	0.5 ppm
258	4/20/2021	11:25	0.5 ppm
259	4/20/2021	11:26	0.4 ppm
260	4/20/2021	11:27	0.4 ppm
261	4/20/2021	11:28	0.4 ppm
262	4/20/2021	11:29	0.4 ppm
263	4/20/2021	11:30	0.3 ppm
264	4/20/2021	11:31	0.3 ppm
265	4/20/2021	11:32	0.3 ppm
266	4/20/2021	11:33	0.3 ppm
267	4/20/2021	11:34	0.3 ppm
268	4/20/2021	11:35	0.3 ppm
269	4/20/2021	11:36	0.3 ppm
270	4/20/2021	11:37	0.3 ppm

271	4/20/2021	11:38	0.3 ppm
272	4/20/2021	11:39	0.3 ppm
273	4/20/2021	11:40	0.3 ppm
274	4/20/2021	11:41	0.4 ppm
275	4/20/2021	11:42	0.3 ppm
276	4/20/2021	11:43	0.3 ppm
277	4/20/2021	11:44	0.3 ppm
278	4/20/2021	11:45	0.3 ppm
279	4/20/2021	11:46	0.3 ppm
280	4/20/2021	11:47	0.3 ppm
281	4/20/2021	11:48	0.3 ppm
282	4/20/2021	11:49	0.3 ppm
283	4/20/2021	11:50	0.3 ppm
284	4/20/2021	11:51	0.3 ppm
285	4/20/2021	11:52	0.3 ppm
286	4/20/2021	11:53	0.2 ppm
287	4/20/2021	11:54	0.2 ppm
288	4/20/2021	11:55	0.2 ppm
289	4/20/2021	11:56	0.2 ppm
290	4/20/2021	11:57	0.2 ppm
291	4/20/2021	11:58	0.3 ppm
292	4/20/2021	11:59	0.2 ppm
293	4/20/2021	12:00	0.2 ppm
294	4/20/2021	12:01	0.2 ppm
295	4/20/2021	12:02	0.2 ppm
296	4/20/2021	12:03	0.2 ppm
297	4/20/2021	12:04	0.2 ppm
298	4/20/2021	12:05	0.2 ppm
299	4/20/2021	12:06	0.2 ppm
300	4/20/2021	12:07	0.2 ppm
301	4/20/2021	12:08	0.3 ppm
302	4/20/2021	12:09	0.3 ppm
303	4/20/2021	12:10	0.3 ppm
304	4/20/2021	12:11	0.2 ppm
305	4/20/2021	12:12	0.2 ppm
306	4/20/2021	12:13	0.2 ppm
307	4/20/2021	12:14	0.2 ppm
308	4/20/2021	12:15	0.1 ppm
309	4/20/2021	12:16	0.0 ppm
310	4/20/2021	12:17	0.0 ppm
311	4/20/2021	12:18	0.0 ppm
312	4/20/2021	12:19	0.0 ppm
313	4/20/2021	12:20	0.0 ppm
314	4/20/2021	12:21	0.0 ppm
315	4/20/2021	12:22	0.0 ppm
316	4/20/2021	12:23	0.0 ppm
317	4/20/2021	12:24	0.0 ppm

318	4/20/2021	12:25	0.0 ppm
319	4/20/2021	12:26	0.0 ppm
320	4/20/2021	12:27	0.0 ppm
321	4/20/2021	12:28	0.0 ppm
322	4/20/2021	12:29	0.0 ppm
323	4/20/2021	12:30	0.0 ppm
324	4/20/2021	12:31	0.0 ppm
325	4/20/2021	12:32	0.0 ppm
326	4/20/2021	12:33	0.0 ppm
327	4/20/2021	12:34	0.0 ppm
328	4/20/2021	12:35	0.0 ppm
329	4/20/2021	12:36	0.0 ppm
330	4/20/2021	12:37	0.0 ppm
331	4/20/2021	12:38	0.0 ppm
332	4/20/2021	12:39	0.0 ppm
333	4/20/2021	12:40	0.0 ppm
334	4/20/2021	12:41	0.0 ppm
335	4/20/2021	12:42	0.0 ppm
336	4/20/2021	12:43	0.0 ppm
337	4/20/2021	12:44	0.0 ppm
338	4/20/2021	12:45	0.0 ppm
339	4/20/2021	12:46	0.0 ppm
340	4/20/2021	12:47	0.0 ppm
341	4/20/2021	12:48	0.0 ppm
342	4/20/2021	12:49	0.0 ppm
343	4/20/2021	12:50	0.0 ppm
344	4/20/2021	12:51	0.0 ppm
345	4/20/2021	12:52	0.0 ppm
346	4/20/2021	12:53	0.0 ppm
347	4/20/2021	12:54	0.0 ppm
348	4/20/2021	12:55	0.0 ppm
349	4/20/2021	12:56	0.0 ppm
350	4/20/2021	12:57	0.0 ppm
351	4/20/2021	12:58	0.0 ppm
352	4/20/2021	12:59	0.0 ppm
353	4/20/2021	13:00	0.0 ppm
354	4/20/2021	13:01	0.0 ppm
355	4/20/2021	13:02	0.0 ppm
356	4/20/2021	13:03	0.0 ppm
357	4/20/2021	13:04	0.0 ppm
358	4/20/2021	13:05	0.0 ppm
359	4/20/2021	13:06	0.0 ppm

GX-6000 Data Sample (Interval Trend)

Item	Value
Period	4/21/2021 7:08:38 AM to 4/21/2021 2:46:53 PM
Serial No	963040021RN
Station ID	----------
User ID	----------
Sample Count	466
Interval Time(Sec)	60
Sensor	Avg. Value
VOC(6000ppm)	0.3 ppm

Min Value	Max Value	Min Date	Max Date
*****	893 ppm	*****	4/21/2021 11:18
Warning	Alarm	STEL	TWA
400.0 ppm	1000 ppm	60.0 ppm	40.0 ppm

No.	Date	VOC(6000ppm)
1	4/21/2021 7:09	AIR
2	4/21/2021 7:09	CAL ON
3	4/21/2021 7:09	9.6 ppm
4	4/21/2021 7:10	Fail(FLOW)
5	4/21/2021 7:10	NORMAL
6	4/21/2021 7:10	CAL OFF
7	4/21/2021 7:10	57.9 ppm
8	4/21/2021 7:11	0.0 ppm
9	4/21/2021 7:12	0.0 ppm
10	4/21/2021 7:13	0.0 ppm
11	4/21/2021 7:14	0.0 ppm
12	4/21/2021 7:15	0.0 ppm
13	4/21/2021 7:16	0.1 ppm
14	4/21/2021 7:17	0.1 ppm
15	4/21/2021 7:18	0.1 ppm
16	4/21/2021 7:19	0.2 ppm
17	4/21/2021 7:20	0.2 ppm
18	4/21/2021 7:21	0.2 ppm
19	4/21/2021 7:22	0.3 ppm
20	4/21/2021 7:23	0.3 ppm
21	4/21/2021 7:24	0.3 ppm
22	4/21/2021 7:25	0.3 ppm
23	4/21/2021 7:26	0.3 ppm
24	4/21/2021 7:27	0.3 ppm
25	4/21/2021 7:28	0.3 ppm
26	4/21/2021 7:29	0.3 ppm
27	4/21/2021 7:30	0.3 ppm
28	4/21/2021 7:31	0.3 ppm
29	4/21/2021 7:32	0.3 ppm
30	4/21/2021 7:33	0.3 ppm
31	4/21/2021 7:34	0.3 ppm
32	4/21/2021 7:35	0.3 ppm
33	4/21/2021 7:36	0.3 ppm
34	4/21/2021 7:37	0.3 ppm
35	4/21/2021 7:38	0.3 ppm

36	4/21/2021 7:39	0.3 ppm
37	4/21/2021 7:40	0.3 ppm
38	4/21/2021 7:41	0.3 ppm
39	4/21/2021 7:42	0.3 ppm
40	4/21/2021 7:43	0.3 ppm
41	4/21/2021 7:44	0.3 ppm
42	4/21/2021 7:45	0.3 ppm
43	4/21/2021 7:46	0.3 ppm
44	4/21/2021 7:47	0.3 ppm
45	4/21/2021 7:48	0.3 ppm
46	4/21/2021 7:49	0.3 ppm
47	4/21/2021 7:50	0.3 ppm
48	4/21/2021 7:51	0.3 ppm
49	4/21/2021 7:52	0.3 ppm
50	4/21/2021 7:53	0.3 ppm
51	4/21/2021 7:54	0.3 ppm
52	4/21/2021 7:55	0.3 ppm
53	4/21/2021 7:56	0.3 ppm
54	4/21/2021 7:57	0.3 ppm
55	4/21/2021 7:58	0.3 ppm
56	4/21/2021 7:59	0.3 ppm
57	4/21/2021 8:00	0.3 ppm
58	4/21/2021 8:01	0.3 ppm
59	4/21/2021 8:02	0.2 ppm
60	4/21/2021 8:03	0.2 ppm
61	4/21/2021 8:04	0.2 ppm
62	4/21/2021 8:05	0.2 ppm
63	4/21/2021 8:06	0.2 ppm
64	4/21/2021 8:07	0.2 ppm
65	4/21/2021 8:08	0.2 ppm
66	4/21/2021 8:09	0.2 ppm
67	4/21/2021 8:10	0.2 ppm
68	4/21/2021 8:11	0.2 ppm
69	4/21/2021 8:12	0.2 ppm
70	4/21/2021 8:13	0.2 ppm
71	4/21/2021 8:14	0.2 ppm
72	4/21/2021 8:15	0.1 ppm
73	4/21/2021 8:16	0.1 ppm
74	4/21/2021 8:17	0.1 ppm
75	4/21/2021 8:18	0.1 ppm
76	4/21/2021 8:19	0.1 ppm
77	4/21/2021 8:20	0.1 ppm
78	4/21/2021 8:21	0.1 ppm
79	4/21/2021 8:22	0.1 ppm
80	4/21/2021 8:23	0.1 ppm
81	4/21/2021 8:24	0.1 ppm
82	4/21/2021 8:25	0.1 ppm

83	4/21/2021 8:26	0.1 ppm
84	4/21/2021 8:27	0.1 ppm
85	4/21/2021 8:28	0.1 ppm
86	4/21/2021 8:29	0.2 ppm
87	4/21/2021 8:30	0.1 ppm
88	4/21/2021 8:31	0.1 ppm
89	4/21/2021 8:32	0.1 ppm
90	4/21/2021 8:33	0.2 ppm
91	4/21/2021 8:34	0.2 ppm
92	4/21/2021 8:35	0.1 ppm
93	4/21/2021 8:36	0.1 ppm
94	4/21/2021 8:37	0.1 ppm
95	4/21/2021 8:38	0.1 ppm
96	4/21/2021 8:39	0.1 ppm
97	4/21/2021 8:40	1.2 ppm
98	4/21/2021 8:41	4.3 ppm
99	4/21/2021 8:42	5.3 ppm
100	4/21/2021 8:43	5.3 ppm
101	4/21/2021 8:44	5.6 ppm
102	4/21/2021 8:45	2.1 ppm
103	4/21/2021 8:46	1.6 ppm
104	4/21/2021 8:47	0.9 ppm
105	4/21/2021 8:48	0.6 ppm
106	4/21/2021 8:49	0.4 ppm
107	4/21/2021 8:50	0.5 ppm
108	4/21/2021 8:51	0.4 ppm
109	4/21/2021 8:52	0.3 ppm
110	4/21/2021 8:53	0.3 ppm
111	4/21/2021 8:54	0.1 ppm
112	4/21/2021 8:55	0.1 ppm
113	4/21/2021 8:56	0.1 ppm
114	4/21/2021 8:57	0.1 ppm
115	4/21/2021 8:58	0.1 ppm
116	4/21/2021 8:59	0.1 ppm
117	4/21/2021 9:00	0.1 ppm
118	4/21/2021 9:01	0.2 ppm
119	4/21/2021 9:02	0.1 ppm
120	4/21/2021 9:03	0.1 ppm
121	4/21/2021 9:04	0.1 ppm
122	4/21/2021 9:05	0.1 ppm
123	4/21/2021 9:06	0.1 ppm
124	4/21/2021 9:07	0.1 ppm
125	4/21/2021 9:08	0.1 ppm
126	4/21/2021 9:09	0.1 ppm
127	4/21/2021 9:10	0.1 ppm
128	4/21/2021 9:11	0.1 ppm
129	4/21/2021 9:12	0.1 ppm

130	4/21/2021 9:13	0.1 ppm
131	4/21/2021 9:14	0.1 ppm
132	4/21/2021 9:15	0.1 ppm
133	4/21/2021 9:16	0.1 ppm
134	4/21/2021 9:17	0.1 ppm
135	4/21/2021 9:18	0.1 ppm
136	4/21/2021 9:19	0.1 ppm
137	4/21/2021 9:20	0.1 ppm
138	4/21/2021 9:21	0.1 ppm
139	4/21/2021 9:22	0.1 ppm
140	4/21/2021 9:23	0.1 ppm
141	4/21/2021 9:24	0.1 ppm
142	4/21/2021 9:25	0.1 ppm
143	4/21/2021 9:26	0.1 ppm
144	4/21/2021 9:27	0.1 ppm
145	4/21/2021 9:28	0.1 ppm
146	4/21/2021 9:29	0.1 ppm
147	4/21/2021 9:30	0.1 ppm
148	4/21/2021 9:31	0.1 ppm
149	4/21/2021 9:32	0.0 ppm
150	4/21/2021 9:33	0.0 ppm
151	4/21/2021 9:34	0.1 ppm
152	4/21/2021 9:35	0.1 ppm
153	4/21/2021 9:36	0.1 ppm
154	4/21/2021 9:37	0.1 ppm
155	4/21/2021 9:38	0.1 ppm
156	4/21/2021 9:39	0.1 ppm
157	4/21/2021 9:40	0.1 ppm
158	4/21/2021 9:41	0.1 ppm
159	4/21/2021 9:42	0.1 ppm
160	4/21/2021 9:43	0.1 ppm
161	4/21/2021 9:44	0.1 ppm
162	4/21/2021 9:45	0.1 ppm
163	4/21/2021 9:46	0.1 ppm
164	4/21/2021 9:47	0.1 ppm
165	4/21/2021 9:48	0.1 ppm
166	4/21/2021 9:49	0.1 ppm
167	4/21/2021 9:50	0.1 ppm
168	4/21/2021 9:51	0.1 ppm
169	4/21/2021 9:52	0.1 ppm
170	4/21/2021 9:53	0.1 ppm
171	4/21/2021 9:54	0.1 ppm
172	4/21/2021 9:55	0.1 ppm
173	4/21/2021 9:56	0.1 ppm
174	4/21/2021 9:57	0.1 ppm
175	4/21/2021 9:58	0.1 ppm
176	4/21/2021 9:59	0.1 ppm

177	4/21/2021 10:00	0.1 ppm
178	4/21/2021 10:01	0.1 ppm
179	4/21/2021 10:02	0.1 ppm
180	4/21/2021 10:03	0.1 ppm
181	4/21/2021 10:04	0.1 ppm
182	4/21/2021 10:05	0.1 ppm
183	4/21/2021 10:06	0.1 ppm
184	4/21/2021 10:07	0.1 ppm
185	4/21/2021 10:08	0.1 ppm
186	4/21/2021 10:09	0.1 ppm
187	4/21/2021 10:10	0.1 ppm
188	4/21/2021 10:11	0.1 ppm
189	4/21/2021 10:12	0.1 ppm
190	4/21/2021 10:13	0.1 ppm
191	4/21/2021 10:14	0.1 ppm
192	4/21/2021 10:15	0.1 ppm
193	4/21/2021 10:16	0.1 ppm
194	4/21/2021 10:17	0.1 ppm
195	4/21/2021 10:18	0.1 ppm
196	4/21/2021 10:19	0.1 ppm
197	4/21/2021 10:20	0.1 ppm
198	4/21/2021 10:21	0.1 ppm
199	4/21/2021 10:22	0.1 ppm
200	4/21/2021 10:23	0.1 ppm
201	4/21/2021 10:24	0.1 ppm
202	4/21/2021 10:25	0.1 ppm
203	4/21/2021 10:26	0.1 ppm
204	4/21/2021 10:27	0.1 ppm
205	4/21/2021 10:28	0.1 ppm
206	4/21/2021 10:29	0.1 ppm
207	4/21/2021 10:30	0.1 ppm
208	4/21/2021 10:31	0.1 ppm
209	4/21/2021 10:32	0.1 ppm
210	4/21/2021 10:33	0.1 ppm
211	4/21/2021 10:34	0.2 ppm
212	4/21/2021 10:35	0.5 ppm
213	4/21/2021 10:36	0.4 ppm
214	4/21/2021 10:37	0.3 ppm
215	4/21/2021 10:38	0.3 ppm
216	4/21/2021 10:39	0.3 ppm
217	4/21/2021 10:40	0.3 ppm
218	4/21/2021 10:41	0.3 ppm
219	4/21/2021 10:42	0.3 ppm
220	4/21/2021 10:43	0.5 ppm
221	4/21/2021 10:44	0.5 ppm
222	4/21/2021 10:45	0.3 ppm
223	4/21/2021 10:46	0.3 ppm

224	4/21/2021 10:47	0.2 ppm
225	4/21/2021 10:48	0.2 ppm
226	4/21/2021 10:49	2.9 ppm
227	4/21/2021 10:50	1.8 ppm
228	4/21/2021 10:51	1.2 ppm
229	4/21/2021 10:52	0.7 ppm
230	4/21/2021 10:53	0.5 ppm
231	4/21/2021 10:54	0.7 ppm
232	4/21/2021 10:55	0.6 ppm
233	4/21/2021 10:56	0.6 ppm
234	4/21/2021 10:57	0.5 ppm
235	4/21/2021 10:58	0.4 ppm
236	4/21/2021 10:59	0.4 ppm
237	4/21/2021 11:00	3.5 ppm
238	4/21/2021 11:01	2.1 ppm
239	4/21/2021 11:02	3.4 ppm
240	4/21/2021 11:03	3.1 ppm
241	4/21/2021 11:04	2.1 ppm
242	4/21/2021 11:05	2.2 ppm
243	4/21/2021 11:06	2.1 ppm
244	4/21/2021 11:07	1.6 ppm
245	4/21/2021 11:08	1.4 ppm
246	4/21/2021 11:09	1.1 ppm
247	4/21/2021 11:10	1.0 ppm
248	4/21/2021 11:11	0.6 ppm
249	4/21/2021 11:12	0.4 ppm
250	4/21/2021 11:13	0.5 ppm
251	4/21/2021 11:14	0.4 ppm
252	4/21/2021 11:15	0.5 ppm
253	4/21/2021 11:16	0.5 ppm
254	4/21/2021 11:17	0.5 ppm
255	4/21/2021 11:17	WARNING
256	4/21/2021 11:18	#NAME?
257	4/21/2021 11:18	NORMAL
258	4/21/2021 11:18	62.7 ppm
259	4/21/2021 11:19	3.3 ppm
260	4/21/2021 11:20	1.4 ppm
261	4/21/2021 11:21	0.9 ppm
262	4/21/2021 11:22	0.8 ppm
263	4/21/2021 11:23	0.6 ppm
264	4/21/2021 11:24	0.5 ppm
265	4/21/2021 11:25	0.5 ppm
266	4/21/2021 11:26	0.4 ppm
267	4/21/2021 11:27	0.4 ppm
268	4/21/2021 11:28	0.3 ppm
269	4/21/2021 11:29	0.3 ppm
270	4/21/2021 11:30	0.3 ppm

271	4/21/2021 11:31	0.3 ppm
272	4/21/2021 11:32	0.3 ppm
273	4/21/2021 11:33	0.1 ppm
274	4/21/2021 11:34	0.1 ppm
275	4/21/2021 11:35	0.4 ppm
276	4/21/2021 11:36	0.4 ppm
277	4/21/2021 11:37	0.4 ppm
278	4/21/2021 11:38	0.3 ppm
279	4/21/2021 11:39	0.4 ppm
280	4/21/2021 11:40	0.4 ppm
281	4/21/2021 11:41	0.5 ppm
282	4/21/2021 11:42	0.5 ppm
283	4/21/2021 11:43	0.5 ppm
284	4/21/2021 11:44	0.5 ppm
285	4/21/2021 11:45	0.6 ppm
286	4/21/2021 11:46	0.6 ppm
287	4/21/2021 11:47	0.6 ppm
288	4/21/2021 11:48	0.3 ppm
289	4/21/2021 11:49	0.2 ppm
290	4/21/2021 11:50	0.1 ppm
291	4/21/2021 11:51	0.2 ppm
292	4/21/2021 11:52	0.3 ppm
293	4/21/2021 11:53	0.3 ppm
294	4/21/2021 11:54	0.1 ppm
295	4/21/2021 11:55	0.1 ppm
296	4/21/2021 11:56	0.2 ppm
297	4/21/2021 11:57	0.2 ppm
298	4/21/2021 11:58	0.1 ppm
299	4/21/2021 11:59	0.1 ppm
300	4/21/2021 12:00	0.1 ppm
301	4/21/2021 12:01	0.1 ppm
302	4/21/2021 12:02	0.0 ppm
303	4/21/2021 12:03	0.0 ppm
304	4/21/2021 12:04	0.1 ppm
305	4/21/2021 12:05	0.1 ppm
306	4/21/2021 12:06	0.1 ppm
307	4/21/2021 12:07	0.2 ppm
308	4/21/2021 12:08	0.2 ppm
309	4/21/2021 12:09	0.2 ppm
310	4/21/2021 12:10	0.1 ppm
311	4/21/2021 12:11	0.1 ppm
312	4/21/2021 12:12	0.0 ppm
313	4/21/2021 12:13	0.0 ppm
314	4/21/2021 12:14	0.0 ppm
315	4/21/2021 12:15	0.0 ppm
316	4/21/2021 12:16	0.0 ppm
317	4/21/2021 12:17	0.0 ppm

318	4/21/2021 12:18	0.0 ppm
319	4/21/2021 12:19	0.0 ppm
320	4/21/2021 12:20	0.0 ppm
321	4/21/2021 12:21	0.0 ppm
322	4/21/2021 12:22	0.0 ppm
323	4/21/2021 12:23	0.0 ppm
324	4/21/2021 12:24	0.0 ppm
325	4/21/2021 12:25	0.0 ppm
326	4/21/2021 12:26	0.0 ppm
327	4/21/2021 12:27	0.1 ppm
328	4/21/2021 12:28	0.1 ppm
329	4/21/2021 12:29	0.1 ppm
330	4/21/2021 12:30	0.1 ppm
331	4/21/2021 12:31	0.1 ppm
332	4/21/2021 12:32	0.1 ppm
333	4/21/2021 12:33	0.0 ppm
334	4/21/2021 12:34	0.1 ppm
335	4/21/2021 12:35	0.0 ppm
336	4/21/2021 12:36	0.0 ppm
337	4/21/2021 12:37	0.0 ppm
338	4/21/2021 12:38	0.0 ppm
339	4/21/2021 12:39	0.0 ppm
340	4/21/2021 12:40	0.0 ppm
341	4/21/2021 12:41	0.0 ppm
342	4/21/2021 12:42	0.0 ppm
343	4/21/2021 12:43	0.0 ppm
344	4/21/2021 12:44	0.0 ppm
345	4/21/2021 12:45	0.0 ppm
346	4/21/2021 12:46	0.0 ppm
347	4/21/2021 12:47	0.0 ppm
348	4/21/2021 12:48	0.0 ppm
349	4/21/2021 12:49	0.0 ppm
350	4/21/2021 12:50	0.0 ppm
351	4/21/2021 12:51	0.0 ppm
352	4/21/2021 12:52	0.0 ppm
353	4/21/2021 12:53	0.0 ppm
354	4/21/2021 12:54	0.0 ppm
355	4/21/2021 12:55	0.0 ppm
356	4/21/2021 12:56	0.0 ppm
357	4/21/2021 12:57	0.0 ppm
358	4/21/2021 12:58	0.0 ppm
359	4/21/2021 12:59	0.0 ppm
360	4/21/2021 13:00	0.0 ppm
361	4/21/2021 13:01	0.0 ppm
362	4/21/2021 13:02	0.0 ppm
363	4/21/2021 13:03	0.0 ppm
364	4/21/2021 13:04	0.0 ppm

365	4/21/2021 13:05	0.0 ppm
366	4/21/2021 13:06	0.0 ppm
367	4/21/2021 13:07	0.0 ppm
368	4/21/2021 13:08	0.0 ppm
369	4/21/2021 13:09	0.0 ppm
370	4/21/2021 13:10	0.0 ppm
371	4/21/2021 13:11	0.0 ppm
372	4/21/2021 13:12	0.0 ppm
373	4/21/2021 13:13	0.0 ppm
374	4/21/2021 13:14	0.0 ppm
375	4/21/2021 13:15	0.0 ppm
376	4/21/2021 13:16	0.0 ppm
377	4/21/2021 13:17	0.0 ppm
378	4/21/2021 13:18	0.0 ppm
379	4/21/2021 13:19	0.0 ppm
380	4/21/2021 13:20	0.0 ppm
381	4/21/2021 13:21	0.0 ppm
382	4/21/2021 13:22	0.0 ppm
383	4/21/2021 13:23	0.0 ppm
384	4/21/2021 13:24	0.0 ppm
385	4/21/2021 13:25	0.0 ppm
386	4/21/2021 13:26	0.0 ppm
387	4/21/2021 13:27	0.0 ppm
388	4/21/2021 13:28	0.0 ppm
389	4/21/2021 13:29	0.0 ppm
390	4/21/2021 13:30	0.0 ppm
391	4/21/2021 13:31	0.0 ppm
392	4/21/2021 13:32	0.0 ppm
393	4/21/2021 13:33	0.0 ppm
394	4/21/2021 13:34	0.0 ppm
395	4/21/2021 13:35	0.0 ppm
396	4/21/2021 13:36	0.0 ppm
397	4/21/2021 13:37	0.0 ppm
398	4/21/2021 13:38	0.0 ppm
399	4/21/2021 13:39	0.0 ppm
400	4/21/2021 13:40	0.0 ppm
401	4/21/2021 13:41	0.0 ppm
402	4/21/2021 13:42	0.0 ppm
403	4/21/2021 13:43	0.0 ppm
404	4/21/2021 13:44	0.0 ppm
405	4/21/2021 13:45	0.0 ppm
406	4/21/2021 13:46	0.0 ppm
407	4/21/2021 13:47	0.0 ppm
408	4/21/2021 13:48	0.0 ppm
409	4/21/2021 13:49	0.0 ppm
410	4/21/2021 13:50	0.0 ppm
411	4/21/2021 13:51	0.0 ppm

412	4/21/2021 13:52	0.0 ppm
413	4/21/2021 13:53	0.0 ppm
414	4/21/2021 13:54	0.0 ppm
415	4/21/2021 13:55	0.0 ppm
416	4/21/2021 13:56	0.0 ppm
417	4/21/2021 13:57	0.0 ppm
418	4/21/2021 13:58	0.0 ppm
419	4/21/2021 13:59	0.0 ppm
420	4/21/2021 14:00	0.0 ppm
421	4/21/2021 14:01	0.0 ppm
422	4/21/2021 14:02	0.0 ppm
423	4/21/2021 14:03	0.0 ppm
424	4/21/2021 14:04	0.0 ppm
425	4/21/2021 14:05	0.0 ppm
426	4/21/2021 14:06	0.0 ppm
427	4/21/2021 14:07	0.0 ppm
428	4/21/2021 14:08	0.0 ppm
429	4/21/2021 14:09	0.0 ppm
430	4/21/2021 14:10	0.0 ppm
431	4/21/2021 14:11	0.0 ppm
432	4/21/2021 14:12	0.0 ppm
433	4/21/2021 14:13	0.0 ppm
434	4/21/2021 14:14	0.0 ppm
435	4/21/2021 14:15	0.0 ppm
436	4/21/2021 14:16	0.0 ppm
437	4/21/2021 14:17	0.0 ppm
438	4/21/2021 14:18	0.0 ppm
439	4/21/2021 14:19	0.0 ppm
440	4/21/2021 14:20	0.0 ppm
441	4/21/2021 14:21	0.0 ppm
442	4/21/2021 14:22	0.0 ppm
443	4/21/2021 14:23	0.0 ppm
444	4/21/2021 14:24	0.0 ppm
445	4/21/2021 14:25	0.0 ppm
446	4/21/2021 14:26	0.0 ppm
447	4/21/2021 14:27	0.0 ppm
448	4/21/2021 14:28	0.0 ppm
449	4/21/2021 14:29	0.0 ppm
450	4/21/2021 14:30	0.0 ppm
451	4/21/2021 14:31	0.0 ppm
452	4/21/2021 14:32	0.0 ppm
453	4/21/2021 14:33	0.0 ppm
454	4/21/2021 14:34	0.0 ppm
455	4/21/2021 14:35	0.0 ppm
456	4/21/2021 14:36	0.0 ppm
457	4/21/2021 14:37	0.0 ppm
458	4/21/2021 14:38	0.0 ppm

459	4/21/2021 14:39	0.0 ppm
460	4/21/2021 14:40	0.0 ppm
461	4/21/2021 14:41	0.0 ppm
462	4/21/2021 14:42	0.0 ppm
463	4/21/2021 14:43	0.0 ppm
464	4/21/2021 14:44	0.0 ppm
465	4/21/2021 14:45	0.0 ppm
466	4/21/2021 14:46	0.0 ppm

GX-6000 Data Sample (Interval Trend)

Item	Value					
Period	4/22/2021 7:13:38 AM to 4/22/2021 11:26:27 AM					
Serial No	963040021RN					
Station ID	----------		Min Value	Max Value	Min Date	Max Date
User ID	----------		*****	8.5 ppm	*****	4/22/2021 10:43
Sample Count		256				
Interval Time(Sec)		60	Warning	Alarm	STEL	TWA
Sensor	Avg. Value		400.0 ppm	1000 ppm	60.0 ppm	40.0 ppm
VOC(6000ppm)	0.3 ppm					

No.	Date	VOC(6000ppm)
1	4/22/2021 7:14	0.2 ppm
2	4/22/2021 7:15	0.0 ppm
3	4/22/2021 7:16	0.0 ppm
4	4/22/2021 7:17	0.0 ppm
5	4/22/2021 7:18	0.0 ppm
6	4/22/2021 7:19	0.0 ppm
7	4/22/2021 7:20	0.0 ppm
8	4/22/2021 7:21	0.1 ppm
9	4/22/2021 7:22	0.1 ppm
10	4/22/2021 7:23	0.1 ppm
11	4/22/2021 7:24	0.1 ppm
12	4/22/2021 7:25	0.1 ppm
13	4/22/2021 7:26	0.1 ppm
14	4/22/2021 7:27	0.2 ppm
15	4/22/2021 7:28	0.2 ppm
16	4/22/2021 7:29	0.2 ppm
17	4/22/2021 7:30	0.2 ppm
18	4/22/2021 7:31	0.2 ppm
19	4/22/2021 7:32	0.2 ppm
20	4/22/2021 7:33	0.2 ppm
21	4/22/2021 7:34	0.1 ppm
22	4/22/2021 7:35	0.2 ppm
23	4/22/2021 7:36	0.1 ppm
24	4/22/2021 7:37	0.1 ppm
25	4/22/2021 7:38	0.1 ppm
26	4/22/2021 7:39	0.1 ppm
27	4/22/2021 7:40	0.1 ppm
28	4/22/2021 7:41	0.1 ppm
29	4/22/2021 7:42	0.1 ppm
30	4/22/2021 7:43	0.1 ppm
31	4/22/2021 7:44	0.1 ppm
32	4/22/2021 7:45	0.1 ppm
33	4/22/2021 7:46	0.1 ppm
34	4/22/2021 7:47	0.1 ppm
35	4/22/2021 7:48	0.1 ppm

36	4/22/2021 7:49	0.0 ppm
37	4/22/2021 7:50	0.0 ppm
38	4/22/2021 7:51	0.0 ppm
39	4/22/2021 7:52	0.0 ppm
40	4/22/2021 7:53	0.0 ppm
41	4/22/2021 7:54	0.0 ppm
42	4/22/2021 7:55	0.0 ppm
43	4/22/2021 7:56	0.0 ppm
44	4/22/2021 7:57	0.0 ppm
45	4/22/2021 7:58	0.0 ppm
46	4/22/2021 7:59	0.0 ppm
47	4/22/2021 8:00	0.0 ppm
48	4/22/2021 8:01	0.0 ppm
49	4/22/2021 8:02	0.1 ppm
50	4/22/2021 8:03	0.1 ppm
51	4/22/2021 8:04	0.1 ppm
52	4/22/2021 8:05	0.1 ppm
53	4/22/2021 8:06	0.1 ppm
54	4/22/2021 8:07	0.1 ppm
55	4/22/2021 8:08	0.0 ppm
56	4/22/2021 8:09	0.0 ppm
57	4/22/2021 8:10	0.0 ppm
58	4/22/2021 8:11	0.0 ppm
59	4/22/2021 8:12	0.0 ppm
60	4/22/2021 8:13	0.0 ppm
61	4/22/2021 8:14	0.0 ppm
62	4/22/2021 8:15	0.0 ppm
63	4/22/2021 8:16	0.0 ppm
64	4/22/2021 8:17	0.0 ppm
65	4/22/2021 8:18	0.0 ppm
66	4/22/2021 8:19	0.2 ppm
67	4/22/2021 8:20	0.1 ppm
68	4/22/2021 8:21	0.1 ppm
69	4/22/2021 8:22	0.2 ppm
70	4/22/2021 8:23	0.1 ppm
71	4/22/2021 8:24	0.0 ppm
72	4/22/2021 8:25	0.0 ppm
73	4/22/2021 8:26	0.0 ppm
74	4/22/2021 8:27	0.0 ppm
75	4/22/2021 8:28	0.0 ppm
76	4/22/2021 8:29	0.0 ppm
77	4/22/2021 8:30	0.0 ppm
78	4/22/2021 8:31	0.0 ppm
79	4/22/2021 8:32	0.0 ppm
80	4/22/2021 8:33	0.0 ppm
81	4/22/2021 8:34	0.0 ppm
82	4/22/2021 8:35	0.0 ppm

83	4/22/2021	8:36	0.0 ppm
84	4/22/2021	8:37	0.0 ppm
85	4/22/2021	8:38	0.0 ppm
86	4/22/2021	8:39	0.0 ppm
87	4/22/2021	8:40	0.0 ppm
88	4/22/2021	8:41	0.0 ppm
89	4/22/2021	8:42	0.0 ppm
90	4/22/2021	8:43	0.0 ppm
91	4/22/2021	8:44	0.0 ppm
92	4/22/2021	8:45	0.0 ppm
93	4/22/2021	8:46	0.0 ppm
94	4/22/2021	8:47	0.0 ppm
95	4/22/2021	8:48	0.0 ppm
96	4/22/2021	8:49	0.0 ppm
97	4/22/2021	8:50	0.0 ppm
98	4/22/2021	8:51	0.0 ppm
99	4/22/2021	8:52	0.0 ppm
100	4/22/2021	8:53	0.0 ppm
101	4/22/2021	8:54	0.0 ppm
102	4/22/2021	8:55	0.0 ppm
103	4/22/2021	8:56	0.0 ppm
104	4/22/2021	8:57	0.2 ppm
105	4/22/2021	8:58	0.4 ppm
106	4/22/2021	8:59	0.5 ppm
107	4/22/2021	9:00	0.3 ppm
108	4/22/2021	9:01	0.3 ppm
109	4/22/2021	9:02	0.1 ppm
110	4/22/2021	9:03	0.1 ppm
111	4/22/2021	9:04	0.1 ppm
112	4/22/2021	9:05	0.1 ppm
113	4/22/2021	9:06	0.1 ppm
114	4/22/2021	9:07	0.0 ppm
115	4/22/2021	9:08	0.1 ppm
116	4/22/2021	9:09	0.0 ppm
117	4/22/2021	9:10	0.0 ppm
118	4/22/2021	9:11	0.0 ppm
119	4/22/2021	9:12	0.0 ppm
120	4/22/2021	9:13	0.0 ppm
121	4/22/2021	9:14	0.0 ppm
122	4/22/2021	9:15	0.0 ppm
123	4/22/2021	9:16	0.0 ppm
124	4/22/2021	9:17	0.0 ppm
125	4/22/2021	9:18	0.0 ppm
126	4/22/2021	9:19	0.0 ppm
127	4/22/2021	9:20	0.0 ppm
128	4/22/2021	9:21	0.0 ppm
129	4/22/2021	9:22	0.0 ppm

130	4/22/2021	9:23	0.0 ppm
131	4/22/2021	9:24	0.0 ppm
132	4/22/2021	9:25	0.0 ppm
133	4/22/2021	9:26	0.0 ppm
134	4/22/2021	9:27	0.0 ppm
135	4/22/2021	9:28	0.0 ppm
136	4/22/2021	9:29	0.0 ppm
137	4/22/2021	9:30	0.0 ppm
138	4/22/2021	9:31	0.0 ppm
139	4/22/2021	9:32	0.0 ppm
140	4/22/2021	9:33	0.0 ppm
141	4/22/2021	9:34	0.0 ppm
142	4/22/2021	9:35	0.0 ppm
143	4/22/2021	9:36	0.1 ppm
144	4/22/2021	9:37	0.1 ppm
145	4/22/2021	9:38	0.1 ppm
146	4/22/2021	9:39	0.1 ppm
147	4/22/2021	9:40	0.3 ppm
148	4/22/2021	9:40	Fail(FLOW)
149	4/22/2021	9:40	NORMAL
150	4/22/2021	9:41	0.2 ppm
151	4/22/2021	9:42	0.3 ppm
152	4/22/2021	9:43	0.3 ppm
153	4/22/2021	9:44	0.3 ppm
154	4/22/2021	9:45	0.5 ppm
155	4/22/2021	9:46	0.5 ppm
156	4/22/2021	9:47	0.4 ppm
157	4/22/2021	9:48	0.4 ppm
158	4/22/2021	9:49	0.3 ppm
159	4/22/2021	9:50	0.3 ppm
160	4/22/2021	9:51	0.3 ppm
161	4/22/2021	9:52	0.3 ppm
162	4/22/2021	9:53	0.3 ppm
163	4/22/2021	9:54	0.3 ppm
164	4/22/2021	9:55	0.3 ppm
165	4/22/2021	9:56	0.3 ppm
166	4/22/2021	9:57	0.3 ppm
167	4/22/2021	9:58	0.3 ppm
168	4/22/2021	9:59	0.3 ppm
169	4/22/2021	10:00	0.3 ppm
170	4/22/2021	10:01	0.3 ppm
171	4/22/2021	10:02	0.3 ppm
172	4/22/2021	10:03	0.2 ppm
173	4/22/2021	10:04	0.2 ppm
174	4/22/2021	10:05	0.2 ppm
175	4/22/2021	10:06	0.2 ppm
176	4/22/2021	10:07	0.2 ppm

177	4/22/2021	10:08	0.2 ppm
178	4/22/2021	10:09	0.2 ppm
179	4/22/2021	10:10	0.2 ppm
180	4/22/2021	10:11	0.2 ppm
181	4/22/2021	10:12	0.2 ppm
182	4/22/2021	10:13	0.2 ppm
183	4/22/2021	10:14	0.2 ppm
184	4/22/2021	10:15	0.1 ppm
185	4/22/2021	10:16	0.2 ppm
186	4/22/2021	10:17	0.2 ppm
187	4/22/2021	10:18	0.2 ppm
188	4/22/2021	10:19	0.2 ppm
189	4/22/2021	10:20	0.2 ppm
190	4/22/2021	10:21	0.2 ppm
191	4/22/2021	10:22	0.2 ppm
192	4/22/2021	10:23	0.2 ppm
193	4/22/2021	10:24	0.2 ppm
194	4/22/2021	10:25	0.2 ppm
195	4/22/2021	10:26	0.2 ppm
196	4/22/2021	10:27	0.1 ppm
197	4/22/2021	10:28	0.1 ppm
198	4/22/2021	10:29	0.1 ppm
199	4/22/2021	10:30	0.1 ppm
200	4/22/2021	10:31	0.1 ppm
201	4/22/2021	10:32	0.1 ppm
202	4/22/2021	10:33	0.0 ppm
203	4/22/2021	10:34	0.0 ppm
204	4/22/2021	10:35	0.3 ppm
205	4/22/2021	10:36	2.9 ppm
206	4/22/2021	10:37	1.0 ppm
207	4/22/2021	10:38	0.5 ppm
208	4/22/2021	10:39	0.6 ppm
209	4/22/2021	10:40	0.9 ppm
210	4/22/2021	10:41	1.6 ppm
211	4/22/2021	10:42	1.5 ppm
212	4/22/2021	10:43	2.3 ppm
213	4/22/2021	10:44	3.3 ppm
214	4/22/2021	10:45	4.8 ppm
215	4/22/2021	10:46	4.5 ppm
216	4/22/2021	10:47	4.5 ppm
217	4/22/2021	10:48	3.6 ppm
218	4/22/2021	10:49	2.1 ppm
219	4/22/2021	10:50	3.0 ppm
220	4/22/2021	10:51	3.2 ppm
221	4/22/2021	10:52	3.1 ppm
222	4/22/2021	10:53	2.6 ppm
223	4/22/2021	10:54	2.3 ppm

224	4/22/2021	10:55	1.0 ppm
225	4/22/2021	10:56	0.7 ppm
226	4/22/2021	10:57	0.6 ppm
227	4/22/2021	10:58	0.5 ppm
228	4/22/2021	10:59	0.4 ppm
229	4/22/2021	11:00	0.3 ppm
230	4/22/2021	11:01	0.2 ppm
231	4/22/2021	11:02	0.1 ppm
232	4/22/2021	11:03	0.1 ppm
233	4/22/2021	11:04	0.1 ppm
234	4/22/2021	11:05	0.2 ppm
235	4/22/2021	11:06	0.1 ppm
236	4/22/2021	11:07	0.0 ppm
237	4/22/2021	11:08	0.0 ppm
238	4/22/2021	11:09	0.1 ppm
239	4/22/2021	11:10	0.1 ppm
240	4/22/2021	11:11	0.1 ppm
241	4/22/2021	11:12	0.2 ppm
242	4/22/2021	11:13	0.3 ppm
243	4/22/2021	11:14	0.3 ppm
244	4/22/2021	11:15	0.3 ppm
245	4/22/2021	11:16	0.3 ppm
246	4/22/2021	11:17	0.3 ppm
247	4/22/2021	11:18	0.2 ppm
248	4/22/2021	11:19	0.2 ppm
249	4/22/2021	11:20	0.3 ppm
250	4/22/2021	11:21	0.2 ppm
251	4/22/2021	11:22	0.2 ppm
252	4/22/2021	11:23	0.1 ppm
253	4/22/2021	11:24	0.2 ppm
254	4/22/2021	11:25	0.3 ppm
255	4/22/2021	11:26	Fail(FLOW)
256	4/22/2021	11:26	NORMAL

GX-6000 Data Sample (Interval Trend)

Item	Value
Period	4/23/2021 8:47:39 AM to 4/23/2021 11:26:18 AM
Serial No	963040021RN
Station ID	----------
User ID	----------
Sample Count	159
Interval Time(Sec)	60
Sensor	Avg. Value
VOC(6000ppm)	0.2 ppm

Min Value	Max Value	Min Date	Max Date
*****	69.6 ppm	*****	4/23/2021 8:56
Warning	Alarm	STEL	TWA
400.0 ppm	1000 ppm	60.0 ppm	40.0 ppm

No.	Date	VOC(6000ppm)
1	4/23/2021 8:48	0.0 ppm
2	4/23/2021 8:48	AIR
3	4/23/2021 8:49	0.0 ppm
4	4/23/2021 8:50	0.0 ppm
5	4/23/2021 8:51	0.0 ppm
6	4/23/2021 8:52	0.5 ppm
7	4/23/2021 8:53	0.0 ppm
8	4/23/2021 8:54	0.0 ppm
9	4/23/2021 8:55	0.0 ppm
10	4/23/2021 8:56	16.0 ppm
11	4/23/2021 8:57	10.7 ppm
12	4/23/2021 8:58	0.5 ppm
13	4/23/2021 8:59	0.3 ppm
14	4/23/2021 9:00	0.0 ppm
15	4/23/2021 9:01	0.0 ppm
16	4/23/2021 9:02	0.0 ppm
17	4/23/2021 9:03	0.0 ppm
18	4/23/2021 9:04	0.0 ppm
19	4/23/2021 9:05	0.0 ppm
20	4/23/2021 9:06	0.0 ppm
21	4/23/2021 9:07	0.2 ppm
22	4/23/2021 9:08	0.9 ppm
23	4/23/2021 9:09	0.0 ppm
24	4/23/2021 9:10	0.0 ppm
25	4/23/2021 9:11	0.0 ppm
26	4/23/2021 9:12	0.0 ppm
27	4/23/2021 9:13	0.0 ppm
28	4/23/2021 9:14	0.0 ppm
29	4/23/2021 9:15	0.0 ppm
30	4/23/2021 9:16	0.0 ppm
31	4/23/2021 9:17	0.0 ppm
32	4/23/2021 9:18	0.0 ppm
33	4/23/2021 9:19	0.0 ppm
34	4/23/2021 9:20	0.2 ppm
35	4/23/2021 9:21	0.0 ppm

36	4/23/2021 9:22	0.1 ppm
37	4/23/2021 9:23	0.0 ppm
38	4/23/2021 9:24	0.1 ppm
39	4/23/2021 9:25	0.1 ppm
40	4/23/2021 9:26	0.0 ppm
41	4/23/2021 9:27	0.0 ppm
42	4/23/2021 9:28	0.0 ppm
43	4/23/2021 9:29	0.0 ppm
44	4/23/2021 9:30	0.0 ppm
45	4/23/2021 9:31	0.0 ppm
46	4/23/2021 9:32	0.0 ppm
47	4/23/2021 9:33	0.0 ppm
48	4/23/2021 9:34	0.0 ppm
49	4/23/2021 9:35	0.0 ppm
50	4/23/2021 9:36	0.0 ppm
51	4/23/2021 9:37	0.0 ppm
52	4/23/2021 9:38	0.0 ppm
53	4/23/2021 9:39	0.0 ppm
54	4/23/2021 9:40	0.0 ppm
55	4/23/2021 9:41	0.0 ppm
56	4/23/2021 9:42	0.0 ppm
57	4/23/2021 9:43	0.0 ppm
58	4/23/2021 9:44	0.0 ppm
59	4/23/2021 9:45	0.0 ppm
60	4/23/2021 9:46	0.0 ppm
61	4/23/2021 9:47	0.0 ppm
62	4/23/2021 9:48	0.0 ppm
63	4/23/2021 9:49	0.0 ppm
64	4/23/2021 9:50	0.0 ppm
65	4/23/2021 9:51	0.0 ppm
66	4/23/2021 9:52	0.0 ppm
67	4/23/2021 9:53	0.0 ppm
68	4/23/2021 9:54	0.0 ppm
69	4/23/2021 9:55	0.0 ppm
70	4/23/2021 9:56	0.0 ppm
71	4/23/2021 9:57	0.0 ppm
72	4/23/2021 9:58	0.0 ppm
73	4/23/2021 9:59	0.0 ppm
74	4/23/2021 10:00	0.0 ppm
75	4/23/2021 10:01	0.0 ppm
76	4/23/2021 10:02	0.0 ppm
77	4/23/2021 10:03	0.0 ppm
78	4/23/2021 10:04	0.0 ppm
79	4/23/2021 10:05	0.0 ppm
80	4/23/2021 10:06	0.0 ppm
81	4/23/2021 10:07	0.0 ppm
82	4/23/2021 10:08	0.0 ppm

83	4/23/2021 10:09	0.0 ppm
84	4/23/2021 10:10	0.0 ppm
85	4/23/2021 10:11	0.0 ppm
86	4/23/2021 10:12	0.0 ppm
87	4/23/2021 10:13	0.0 ppm
88	4/23/2021 10:14	0.0 ppm
89	4/23/2021 10:15	0.0 ppm
90	4/23/2021 10:16	0.1 ppm
91	4/23/2021 10:17	0.1 ppm
92	4/23/2021 10:18	0.1 ppm
93	4/23/2021 10:19	0.1 ppm
94	4/23/2021 10:20	0.1 ppm
95	4/23/2021 10:21	0.0 ppm
96	4/23/2021 10:22	0.1 ppm
97	4/23/2021 10:23	0.1 ppm
98	4/23/2021 10:24	0.1 ppm
99	4/23/2021 10:25	0.1 ppm
100	4/23/2021 10:26	0.1 ppm
101	4/23/2021 10:27	0.1 ppm
102	4/23/2021 10:28	0.1 ppm
103	4/23/2021 10:29	0.1 ppm
104	4/23/2021 10:30	0.1 ppm
105	4/23/2021 10:31	0.1 ppm
106	4/23/2021 10:32	0.1 ppm
107	4/23/2021 10:33	0.1 ppm
108	4/23/2021 10:34	0.1 ppm
109	4/23/2021 10:35	0.1 ppm
110	4/23/2021 10:36	0.1 ppm
111	4/23/2021 10:37	0.1 ppm
112	4/23/2021 10:38	0.1 ppm
113	4/23/2021 10:39	0.1 ppm
114	4/23/2021 10:40	0.1 ppm
115	4/23/2021 10:41	0.1 ppm
116	4/23/2021 10:42	0.1 ppm
117	4/23/2021 10:43	0.1 ppm
118	4/23/2021 10:44	0.1 ppm
119	4/23/2021 10:45	0.1 ppm
120	4/23/2021 10:46	0.1 ppm
121	4/23/2021 10:47	0.1 ppm
122	4/23/2021 10:48	0.1 ppm
123	4/23/2021 10:49	0.1 ppm
124	4/23/2021 10:50	0.1 ppm
125	4/23/2021 10:51	0.1 ppm
126	4/23/2021 10:52	0.1 ppm
127	4/23/2021 10:53	0.1 ppm
128	4/23/2021 10:54	0.1 ppm
129	4/23/2021 10:55	0.1 ppm

130	4/23/2021 10:56	0.1 ppm
131	4/23/2021 10:57	0.1 ppm
132	4/23/2021 10:58	0.1 ppm
133	4/23/2021 10:59	0.1 ppm
134	4/23/2021 11:00	0.1 ppm
135	4/23/2021 11:01	0.1 ppm
136	4/23/2021 11:02	0.1 ppm
137	4/23/2021 11:03	0.1 ppm
138	4/23/2021 11:04	0.1 ppm
139	4/23/2021 11:05	0.1 ppm
140	4/23/2021 11:06	0.1 ppm
141	4/23/2021 11:07	0.1 ppm
142	4/23/2021 11:08	0.1 ppm
143	4/23/2021 11:09	0.1 ppm
144	4/23/2021 11:10	0.1 ppm
145	4/23/2021 11:11	0.1 ppm
146	4/23/2021 11:12	0.1 ppm
147	4/23/2021 11:13	0.1 ppm
148	4/23/2021 11:14	0.1 ppm
149	4/23/2021 11:15	0.1 ppm
150	4/23/2021 11:16	0.1 ppm
151	4/23/2021 11:17	0.1 ppm
152	4/23/2021 11:18	0.1 ppm
153	4/23/2021 11:19	0.1 ppm
154	4/23/2021 11:20	0.1 ppm
155	4/23/2021 11:21	0.1 ppm
156	4/23/2021 11:22	0.1 ppm
157	4/23/2021 11:23	0.1 ppm
158	4/23/2021 11:24	0.1 ppm
159	4/23/2021 11:25	0.1 ppm

GX-6000 Data Sample (Interval Trend)

Item	Value
Period	4/26/2021 7:02:36 AM to 4/26/2021 10:23:45 AM
Serial No	963040021RN
Station ID	----------
User ID	----------
Sample Count	204
Interval Time(Sec)	60
Sensor	Avg. Value
VOC(6000ppm)	0.0 ppm

Min Value	Max Value	Min Date	Max Date
*****	1.3 ppm	*****	4/26/2021 8:40
Warning	Alarm	STEL	TWA
400.0 ppm	1000 ppm	60.0 ppm	40.0 ppm

No.	Date	VOC(6000ppm)
1	4/26/2021 7:02	CAL ON
2	4/26/2021 7:03	0.0 ppm
3	4/26/2021 7:04	CAL OFF
4	4/26/2021 7:04	36.0 ppm
5	4/26/2021 7:05	0.0 ppm
6	4/26/2021 7:06	0.0 ppm
7	4/26/2021 7:07	0.0 ppm
8	4/26/2021 7:08	0.0 ppm
9	4/26/2021 7:09	0.0 ppm
10	4/26/2021 7:10	0.0 ppm
11	4/26/2021 7:11	0.0 ppm
12	4/26/2021 7:12	0.0 ppm
13	4/26/2021 7:13	0.0 ppm
14	4/26/2021 7:14	0.1 ppm
15	4/26/2021 7:15	0.1 ppm
16	4/26/2021 7:16	0.1 ppm
17	4/26/2021 7:17	0.1 ppm
18	4/26/2021 7:18	0.1 ppm
19	4/26/2021 7:19	0.1 ppm
20	4/26/2021 7:20	0.1 ppm
21	4/26/2021 7:21	0.1 ppm
22	4/26/2021 7:22	0.1 ppm
23	4/26/2021 7:23	0.1 ppm
24	4/26/2021 7:24	0.1 ppm
25	4/26/2021 7:25	0.0 ppm
26	4/26/2021 7:26	0.1 ppm
27	4/26/2021 7:27	0.1 ppm
28	4/26/2021 7:28	0.1 ppm
29	4/26/2021 7:29	0.1 ppm
30	4/26/2021 7:30	0.0 ppm
31	4/26/2021 7:31	0.0 ppm
32	4/26/2021 7:32	0.0 ppm
33	4/26/2021 7:33	0.0 ppm
34	4/26/2021 7:34	0.0 ppm
35	4/26/2021 7:35	0.0 ppm

36	4/26/2021 7:36	0.0 ppm
37	4/26/2021 7:37	0.0 ppm
38	4/26/2021 7:38	0.0 ppm
39	4/26/2021 7:39	0.0 ppm
40	4/26/2021 7:40	0.0 ppm
41	4/26/2021 7:41	0.0 ppm
42	4/26/2021 7:42	0.0 ppm
43	4/26/2021 7:43	0.0 ppm
44	4/26/2021 7:44	0.0 ppm
45	4/26/2021 7:45	0.0 ppm
46	4/26/2021 7:46	0.0 ppm
47	4/26/2021 7:47	0.0 ppm
48	4/26/2021 7:48	0.0 ppm
49	4/26/2021 7:49	0.0 ppm
50	4/26/2021 7:50	0.0 ppm
51	4/26/2021 7:51	0.0 ppm
52	4/26/2021 7:52	0.0 ppm
53	4/26/2021 7:53	0.0 ppm
54	4/26/2021 7:54	0.0 ppm
55	4/26/2021 7:55	0.0 ppm
56	4/26/2021 7:56	0.0 ppm
57	4/26/2021 7:57	0.0 ppm
58	4/26/2021 7:58	0.0 ppm
59	4/26/2021 7:59	0.0 ppm
60	4/26/2021 8:00	0.0 ppm
61	4/26/2021 8:01	0.0 ppm
62	4/26/2021 8:02	0.0 ppm
63	4/26/2021 8:03	0.0 ppm
64	4/26/2021 8:04	0.0 ppm
65	4/26/2021 8:05	0.0 ppm
66	4/26/2021 8:06	0.0 ppm
67	4/26/2021 8:07	0.0 ppm
68	4/26/2021 8:08	0.0 ppm
69	4/26/2021 8:09	0.0 ppm
70	4/26/2021 8:10	0.0 ppm
71	4/26/2021 8:11	0.0 ppm
72	4/26/2021 8:12	0.0 ppm
73	4/26/2021 8:13	0.0 ppm
74	4/26/2021 8:14	0.0 ppm
75	4/26/2021 8:15	0.0 ppm
76	4/26/2021 8:16	0.0 ppm
77	4/26/2021 8:17	0.0 ppm
78	4/26/2021 8:18	0.0 ppm
79	4/26/2021 8:19	0.0 ppm
80	4/26/2021 8:20	0.0 ppm
81	4/26/2021 8:21	0.0 ppm
82	4/26/2021 8:22	0.0 ppm

83	4/26/2021 8:23	0.0 ppm
84	4/26/2021 8:24	0.0 ppm
85	4/26/2021 8:25	0.0 ppm
86	4/26/2021 8:26	0.0 ppm
87	4/26/2021 8:27	0.0 ppm
88	4/26/2021 8:28	0.0 ppm
89	4/26/2021 8:29	0.0 ppm
90	4/26/2021 8:30	0.0 ppm
91	4/26/2021 8:31	0.0 ppm
92	4/26/2021 8:32	0.0 ppm
93	4/26/2021 8:33	0.0 ppm
94	4/26/2021 8:34	0.0 ppm
95	4/26/2021 8:35	0.0 ppm
96	4/26/2021 8:36	0.0 ppm
97	4/26/2021 8:37	0.0 ppm
98	4/26/2021 8:38	0.0 ppm
99	4/26/2021 8:39	0.0 ppm
100	4/26/2021 8:40	0.2 ppm
101	4/26/2021 8:41	0.7 ppm
102	4/26/2021 8:42	0.7 ppm
103	4/26/2021 8:43	0.6 ppm
104	4/26/2021 8:44	0.6 ppm
105	4/26/2021 8:45	0.6 ppm
106	4/26/2021 8:46	0.6 ppm
107	4/26/2021 8:47	0.6 ppm
108	4/26/2021 8:48	0.6 ppm
109	4/26/2021 8:49	0.4 ppm
110	4/26/2021 8:50	0.4 ppm
111	4/26/2021 8:51	0.3 ppm
112	4/26/2021 8:52	0.3 ppm
113	4/26/2021 8:53	0.4 ppm
114	4/26/2021 8:54	0.4 ppm
115	4/26/2021 8:55	0.4 ppm
116	4/26/2021 8:56	0.5 ppm
117	4/26/2021 8:57	0.4 ppm
118	4/26/2021 8:58	0.4 ppm
119	4/26/2021 8:59	0.1 ppm
120	4/26/2021 9:00	0.0 ppm
121	4/26/2021 9:01	0.0 ppm
122	4/26/2021 9:02	0.0 ppm
123	4/26/2021 9:03	0.0 ppm
124	4/26/2021 9:04	0.0 ppm
125	4/26/2021 9:05	0.0 ppm
126	4/26/2021 9:06	0.0 ppm
127	4/26/2021 9:07	0.0 ppm
128	4/26/2021 9:08	0.0 ppm
129	4/26/2021 9:09	0.0 ppm

130	4/26/2021 9:10	0.0 ppm
131	4/26/2021 9:11	0.0 ppm
132	4/26/2021 9:12	0.0 ppm
133	4/26/2021 9:13	0.0 ppm
134	4/26/2021 9:14	0.0 ppm
135	4/26/2021 9:15	0.0 ppm
136	4/26/2021 9:16	0.0 ppm
137	4/26/2021 9:17	0.0 ppm
138	4/26/2021 9:18	0.0 ppm
139	4/26/2021 9:19	0.0 ppm
140	4/26/2021 9:20	0.0 ppm
141	4/26/2021 9:21	0.0 ppm
142	4/26/2021 9:22	0.0 ppm
143	4/26/2021 9:23	0.0 ppm
144	4/26/2021 9:24	0.0 ppm
145	4/26/2021 9:25	0.0 ppm
146	4/26/2021 9:26	0.0 ppm
147	4/26/2021 9:27	0.0 ppm
148	4/26/2021 9:28	0.0 ppm
149	4/26/2021 9:29	0.0 ppm
150	4/26/2021 9:30	0.0 ppm
151	4/26/2021 9:31	0.0 ppm
152	4/26/2021 9:32	0.0 ppm
153	4/26/2021 9:33	0.0 ppm
154	4/26/2021 9:34	0.0 ppm
155	4/26/2021 9:35	0.0 ppm
156	4/26/2021 9:36	0.0 ppm
157	4/26/2021 9:37	0.0 ppm
158	4/26/2021 9:38	0.0 ppm
159	4/26/2021 9:39	0.0 ppm
160	4/26/2021 9:40	0.0 ppm
161	4/26/2021 9:41	0.0 ppm
162	4/26/2021 9:42	0.0 ppm
163	4/26/2021 9:43	0.0 ppm
164	4/26/2021 9:44	0.0 ppm
165	4/26/2021 9:45	0.0 ppm
166	4/26/2021 9:46	0.0 ppm
167	4/26/2021 9:47	0.0 ppm
168	4/26/2021 9:48	0.0 ppm
169	4/26/2021 9:49	0.0 ppm
170	4/26/2021 9:50	0.0 ppm
171	4/26/2021 9:51	0.0 ppm
172	4/26/2021 9:52	0.0 ppm
173	4/26/2021 9:53	0.0 ppm
174	4/26/2021 9:54	0.0 ppm
175	4/26/2021 9:55	0.0 ppm
176	4/26/2021 9:56	0.0 ppm

177	4/26/2021 9:57	0.0 ppm
178	4/26/2021 9:58	0.1 ppm
179	4/26/2021 9:59	0.1 ppm
180	4/26/2021 10:00	0.1 ppm
181	4/26/2021 10:01	0.1 ppm
182	4/26/2021 10:02	0.1 ppm
183	4/26/2021 10:03	0.1 ppm
184	4/26/2021 10:04	0.0 ppm
185	4/26/2021 10:05	0.1 ppm
186	4/26/2021 10:06	0.0 ppm
187	4/26/2021 10:07	0.0 ppm
188	4/26/2021 10:08	0.1 ppm
189	4/26/2021 10:09	0.1 ppm
190	4/26/2021 10:10	0.1 ppm
191	4/26/2021 10:11	0.1 ppm
192	4/26/2021 10:12	0.1 ppm
193	4/26/2021 10:13	0.1 ppm
194	4/26/2021 10:14	0.0 ppm
195	4/26/2021 10:15	0.0 ppm
196	4/26/2021 10:16	0.0 ppm
197	4/26/2021 10:17	0.0 ppm
198	4/26/2021 10:18	0.0 ppm
199	4/26/2021 10:19	0.0 ppm
200	4/26/2021 10:20	0.0 ppm
201	4/26/2021 10:21	0.0 ppm
202	4/26/2021 10:22	0.0 ppm
203	4/26/2021 10:23	0.0 ppm
204	4/26/2021 10:23	Fail(BAT.)

GX-6000 Data Sample (Interval Trend)

Item	Value
Period	4/26/2021 12:04:23 PM to 4/26/2021 2:48:00 PM
Serial No	963040021RN
Station ID	----------
User ID	----------
Sample Count	163
Interval Time(Sec)	60
Sensor	Avg. Value
VOC(6000ppm)	0.0 ppm

Min Value	Max Value	Min Date	Max Date
*****	0.2 ppm	*****	4/26/2021 13:53
Warning	Alarm	STEL	TWA
400.0 ppm	1000 ppm	60.0 ppm	40.0 ppm

No.	Date	VOC(6000ppm)
1	4/26/2021 12:05	0.0 ppm
2	4/26/2021 12:06	0.0 ppm
3	4/26/2021 12:07	0.0 ppm
4	4/26/2021 12:08	0.0 ppm
5	4/26/2021 12:09	0.0 ppm
6	4/26/2021 12:10	0.0 ppm
7	4/26/2021 12:11	0.0 ppm
8	4/26/2021 12:12	0.0 ppm
9	4/26/2021 12:13	0.0 ppm
10	4/26/2021 12:14	0.0 ppm
11	4/26/2021 12:15	0.0 ppm
12	4/26/2021 12:16	0.0 ppm
13	4/26/2021 12:17	0.0 ppm
14	4/26/2021 12:18	0.0 ppm
15	4/26/2021 12:19	0.0 ppm
16	4/26/2021 12:20	0.0 ppm
17	4/26/2021 12:21	0.0 ppm
18	4/26/2021 12:22	0.0 ppm
19	4/26/2021 12:23	0.0 ppm
20	4/26/2021 12:24	0.0 ppm
21	4/26/2021 12:25	0.0 ppm
22	4/26/2021 12:26	0.0 ppm
23	4/26/2021 12:27	0.0 ppm
24	4/26/2021 12:28	0.0 ppm
25	4/26/2021 12:29	0.0 ppm
26	4/26/2021 12:30	0.0 ppm
27	4/26/2021 12:31	0.0 ppm
28	4/26/2021 12:32	0.0 ppm
29	4/26/2021 12:33	0.0 ppm
30	4/26/2021 12:34	0.0 ppm
31	4/26/2021 12:35	0.0 ppm
32	4/26/2021 12:36	0.0 ppm
33	4/26/2021 12:37	0.0 ppm
34	4/26/2021 12:38	0.0 ppm
35	4/26/2021 12:39	0.0 ppm

36	4/26/2021	12:40	0.0 ppm
37	4/26/2021	12:41	0.0 ppm
38	4/26/2021	12:42	0.0 ppm
39	4/26/2021	12:43	0.0 ppm
40	4/26/2021	12:44	0.0 ppm
41	4/26/2021	12:45	0.0 ppm
42	4/26/2021	12:46	0.0 ppm
43	4/26/2021	12:47	0.0 ppm
44	4/26/2021	12:48	0.0 ppm
45	4/26/2021	12:49	0.0 ppm
46	4/26/2021	12:50	0.0 ppm
47	4/26/2021	12:51	0.0 ppm
48	4/26/2021	12:52	0.0 ppm
49	4/26/2021	12:53	0.0 ppm
50	4/26/2021	12:54	0.0 ppm
51	4/26/2021	12:55	0.0 ppm
52	4/26/2021	12:56	0.0 ppm
53	4/26/2021	12:57	0.0 ppm
54	4/26/2021	12:58	0.0 ppm
55	4/26/2021	12:59	0.0 ppm
56	4/26/2021	13:00	0.0 ppm
57	4/26/2021	13:01	0.0 ppm
58	4/26/2021	13:02	0.0 ppm
59	4/26/2021	13:03	0.0 ppm
60	4/26/2021	13:04	0.0 ppm
61	4/26/2021	13:05	0.0 ppm
62	4/26/2021	13:06	0.0 ppm
63	4/26/2021	13:07	0.0 ppm
64	4/26/2021	13:08	0.0 ppm
65	4/26/2021	13:09	0.0 ppm
66	4/26/2021	13:10	0.0 ppm
67	4/26/2021	13:11	0.0 ppm
68	4/26/2021	13:12	0.0 ppm
69	4/26/2021	13:13	0.0 ppm
70	4/26/2021	13:14	0.0 ppm
71	4/26/2021	13:15	0.0 ppm
72	4/26/2021	13:16	0.0 ppm
73	4/26/2021	13:17	0.0 ppm
74	4/26/2021	13:18	0.0 ppm
75	4/26/2021	13:19	0.0 ppm
76	4/26/2021	13:20	0.0 ppm
77	4/26/2021	13:21	0.0 ppm
78	4/26/2021	13:22	0.0 ppm
79	4/26/2021	13:23	0.0 ppm
80	4/26/2021	13:24	0.0 ppm
81	4/26/2021	13:25	0.0 ppm
82	4/26/2021	13:26	0.0 ppm

83	4/26/2021	13:27	0.0 ppm
84	4/26/2021	13:28	0.0 ppm
85	4/26/2021	13:29	0.0 ppm
86	4/26/2021	13:30	0.0 ppm
87	4/26/2021	13:31	0.0 ppm
88	4/26/2021	13:32	0.0 ppm
89	4/26/2021	13:33	0.0 ppm
90	4/26/2021	13:34	0.0 ppm
91	4/26/2021	13:35	0.0 ppm
92	4/26/2021	13:36	0.0 ppm
93	4/26/2021	13:37	0.0 ppm
94	4/26/2021	13:38	0.0 ppm
95	4/26/2021	13:39	0.0 ppm
96	4/26/2021	13:40	0.0 ppm
97	4/26/2021	13:41	0.0 ppm
98	4/26/2021	13:42	0.0 ppm
99	4/26/2021	13:43	0.0 ppm
100	4/26/2021	13:44	0.0 ppm
101	4/26/2021	13:45	0.0 ppm
102	4/26/2021	13:46	0.0 ppm
103	4/26/2021	13:47	0.0 ppm
104	4/26/2021	13:48	0.0 ppm
105	4/26/2021	13:49	0.0 ppm
106	4/26/2021	13:50	0.0 ppm
107	4/26/2021	13:51	0.0 ppm
108	4/26/2021	13:52	0.0 ppm
109	4/26/2021	13:53	0.0 ppm
110	4/26/2021	13:54	0.0 ppm
111	4/26/2021	13:55	0.0 ppm
112	4/26/2021	13:56	0.0 ppm
113	4/26/2021	13:57	0.0 ppm
114	4/26/2021	13:58	0.0 ppm
115	4/26/2021	13:59	0.0 ppm
116	4/26/2021	14:00	0.0 ppm
117	4/26/2021	14:01	0.0 ppm
118	4/26/2021	14:02	0.0 ppm
119	4/26/2021	14:03	0.0 ppm
120	4/26/2021	14:04	0.0 ppm
121	4/26/2021	14:05	0.0 ppm
122	4/26/2021	14:06	0.0 ppm
123	4/26/2021	14:07	0.0 ppm
124	4/26/2021	14:08	0.0 ppm
125	4/26/2021	14:09	0.0 ppm
126	4/26/2021	14:10	0.0 ppm
127	4/26/2021	14:11	0.0 ppm
128	4/26/2021	14:12	0.0 ppm
129	4/26/2021	14:13	0.0 ppm

130	4/26/2021 14:14	0.0 ppm
131	4/26/2021 14:15	0.0 ppm
132	4/26/2021 14:16	0.0 ppm
133	4/26/2021 14:17	0.0 ppm
134	4/26/2021 14:18	0.0 ppm
135	4/26/2021 14:19	0.0 ppm
136	4/26/2021 14:20	0.0 ppm
137	4/26/2021 14:21	0.0 ppm
138	4/26/2021 14:22	0.0 ppm
139	4/26/2021 14:23	0.0 ppm
140	4/26/2021 14:24	0.0 ppm
141	4/26/2021 14:25	0.0 ppm
142	4/26/2021 14:26	0.0 ppm
143	4/26/2021 14:27	0.0 ppm
144	4/26/2021 14:28	0.0 ppm
145	4/26/2021 14:29	0.0 ppm
146	4/26/2021 14:30	0.0 ppm
147	4/26/2021 14:31	0.0 ppm
148	4/26/2021 14:32	0.0 ppm
149	4/26/2021 14:33	0.0 ppm
150	4/26/2021 14:34	0.0 ppm
151	4/26/2021 14:35	0.0 ppm
152	4/26/2021 14:36	0.0 ppm
153	4/26/2021 14:37	0.0 ppm
154	4/26/2021 14:38	0.0 ppm
155	4/26/2021 14:39	0.0 ppm
156	4/26/2021 14:40	0.0 ppm
157	4/26/2021 14:41	0.0 ppm
158	4/26/2021 14:42	0.0 ppm
159	4/26/2021 14:43	0.0 ppm
160	4/26/2021 14:44	0.0 ppm
161	4/26/2021 14:45	0.0 ppm
162	4/26/2021 14:46	0.0 ppm
163	4/26/2021 14:47	0.0 ppm

GX-6000 Data Sample (Interval Trend)

Item	Value					
Period	4/27/2021 8:19:23 AM to 4/27/2021 1:49:00 PM					
Serial No	963040021RN					
Station ID	----------		Min Value	Max Value	Min Date	Max Date
User ID	----------		*****	31.4 ppm	*****	4/27/2021 9:16
Sample Count		331	Warning	Alarm	STEL	TWA
Interval Time(Sec)		60	400.0 ppm	1000 ppm	60.0 ppm	40.0 ppm
Sensor	Avg. Value					
VOC(6000ppm)	0.0 ppm					

No.	Date	VOC(6000ppm)
1	4/27/2021 8:20	0.0 ppm
2	4/27/2021 8:20	CAL ON
3	4/27/2021 8:21	23.1 ppm
4	4/27/2021 8:22	97.4 ppm
5	4/27/2021 8:23	CAL OFF
6	4/27/2021 8:23	0.6 ppm
7	4/27/2021 8:24	0.0 ppm
8	4/27/2021 8:25	0.0 ppm
9	4/27/2021 8:26	0.0 ppm
10	4/27/2021 8:27	0.0 ppm
11	4/27/2021 8:28	0.0 ppm
12	4/27/2021 8:29	0.0 ppm
13	4/27/2021 8:30	0.0 ppm
14	4/27/2021 8:31	0.0 ppm
15	4/27/2021 8:32	0.0 ppm
16	4/27/2021 8:33	0.0 ppm
17	4/27/2021 8:34	0.0 ppm
18	4/27/2021 8:35	0.0 ppm
19	4/27/2021 8:36	0.0 ppm
20	4/27/2021 8:37	0.0 ppm
21	4/27/2021 8:38	0.0 ppm
22	4/27/2021 8:39	0.0 ppm
23	4/27/2021 8:40	0.0 ppm
24	4/27/2021 8:41	0.0 ppm
25	4/27/2021 8:42	0.0 ppm
26	4/27/2021 8:43	0.0 ppm
27	4/27/2021 8:44	0.0 ppm
28	4/27/2021 8:45	0.0 ppm
29	4/27/2021 8:46	0.0 ppm
30	4/27/2021 8:47	0.0 ppm
31	4/27/2021 8:48	0.0 ppm
32	4/27/2021 8:49	0.0 ppm
33	4/27/2021 8:50	0.0 ppm
34	4/27/2021 8:51	0.0 ppm
35	4/27/2021 8:52	0.0 ppm

36	4/27/2021 8:53	0.0 ppm
37	4/27/2021 8:54	0.0 ppm
38	4/27/2021 8:55	0.0 ppm
39	4/27/2021 8:56	0.0 ppm
40	4/27/2021 8:57	0.0 ppm
41	4/27/2021 8:58	0.0 ppm
42	4/27/2021 8:59	0.0 ppm
43	4/27/2021 9:00	0.0 ppm
44	4/27/2021 9:01	0.0 ppm
45	4/27/2021 9:02	0.0 ppm
46	4/27/2021 9:03	0.0 ppm
47	4/27/2021 9:04	0.0 ppm
48	4/27/2021 9:05	0.0 ppm
49	4/27/2021 9:06	0.0 ppm
50	4/27/2021 9:07	0.0 ppm
51	4/27/2021 9:08	0.0 ppm
52	4/27/2021 9:09	0.0 ppm
53	4/27/2021 9:10	0.0 ppm
54	4/27/2021 9:11	0.0 ppm
55	4/27/2021 9:12	0.0 ppm
56	4/27/2021 9:13	0.0 ppm
57	4/27/2021 9:14	0.0 ppm
58	4/27/2021 9:15	0.0 ppm
59	4/27/2021 9:16	0.0 ppm
60	4/27/2021 9:17	2.0 ppm
61	4/27/2021 9:18	0.0 ppm
62	4/27/2021 9:19	0.0 ppm
63	4/27/2021 9:20	0.0 ppm
64	4/27/2021 9:21	0.0 ppm
65	4/27/2021 9:22	0.0 ppm
66	4/27/2021 9:23	0.0 ppm
67	4/27/2021 9:24	0.0 ppm
68	4/27/2021 9:25	0.0 ppm
69	4/27/2021 9:26	0.0 ppm
70	4/27/2021 9:27	0.0 ppm
71	4/27/2021 9:28	0.0 ppm
72	4/27/2021 9:29	0.0 ppm
73	4/27/2021 9:30	0.0 ppm
74	4/27/2021 9:31	0.0 ppm
75	4/27/2021 9:32	0.0 ppm
76	4/27/2021 9:33	0.0 ppm
77	4/27/2021 9:34	0.0 ppm
78	4/27/2021 9:35	0.0 ppm
79	4/27/2021 9:36	0.0 ppm
80	4/27/2021 9:37	0.0 ppm
81	4/27/2021 9:38	0.0 ppm
82	4/27/2021 9:39	0.0 ppm

83	4/27/2021 9:40	0.0 ppm
84	4/27/2021 9:41	0.0 ppm
85	4/27/2021 9:42	0.0 ppm
86	4/27/2021 9:43	0.0 ppm
87	4/27/2021 9:44	0.0 ppm
88	4/27/2021 9:45	0.0 ppm
89	4/27/2021 9:46	0.0 ppm
90	4/27/2021 9:47	0.0 ppm
91	4/27/2021 9:48	0.0 ppm
92	4/27/2021 9:49	0.0 ppm
93	4/27/2021 9:50	0.0 ppm
94	4/27/2021 9:51	0.0 ppm
95	4/27/2021 9:52	0.0 ppm
96	4/27/2021 9:53	0.0 ppm
97	4/27/2021 9:54	0.0 ppm
98	4/27/2021 9:55	0.0 ppm
99	4/27/2021 9:56	0.0 ppm
100	4/27/2021 9:57	0.0 ppm
101	4/27/2021 9:58	0.0 ppm
102	4/27/2021 9:59	0.0 ppm
103	4/27/2021 10:00	0.0 ppm
104	4/27/2021 10:01	0.0 ppm
105	4/27/2021 10:02	0.0 ppm
106	4/27/2021 10:03	0.0 ppm
107	4/27/2021 10:04	0.0 ppm
108	4/27/2021 10:05	0.0 ppm
109	4/27/2021 10:06	0.0 ppm
110	4/27/2021 10:07	0.0 ppm
111	4/27/2021 10:08	0.0 ppm
112	4/27/2021 10:09	0.0 ppm
113	4/27/2021 10:10	0.0 ppm
114	4/27/2021 10:11	0.0 ppm
115	4/27/2021 10:12	0.0 ppm
116	4/27/2021 10:13	0.0 ppm
117	4/27/2021 10:14	0.0 ppm
118	4/27/2021 10:15	0.0 ppm
119	4/27/2021 10:16	0.0 ppm
120	4/27/2021 10:17	0.0 ppm
121	4/27/2021 10:18	0.0 ppm
122	4/27/2021 10:19	0.0 ppm
123	4/27/2021 10:20	0.0 ppm
124	4/27/2021 10:21	0.0 ppm
125	4/27/2021 10:22	0.0 ppm
126	4/27/2021 10:23	0.0 ppm
127	4/27/2021 10:24	0.0 ppm
128	4/27/2021 10:25	0.0 ppm
129	4/27/2021 10:26	0.0 ppm

130	4/27/2021	10:27	0.0 ppm
131	4/27/2021	10:28	0.0 ppm
132	4/27/2021	10:29	0.0 ppm
133	4/27/2021	10:30	0.0 ppm
134	4/27/2021	10:31	0.0 ppm
135	4/27/2021	10:32	0.0 ppm
136	4/27/2021	10:33	0.0 ppm
137	4/27/2021	10:34	0.0 ppm
138	4/27/2021	10:35	0.0 ppm
139	4/27/2021	10:36	0.0 ppm
140	4/27/2021	10:37	0.0 ppm
141	4/27/2021	10:38	0.0 ppm
142	4/27/2021	10:39	0.0 ppm
143	4/27/2021	10:40	0.0 ppm
144	4/27/2021	10:41	0.0 ppm
145	4/27/2021	10:42	0.0 ppm
146	4/27/2021	10:43	0.0 ppm
147	4/27/2021	10:44	0.0 ppm
148	4/27/2021	10:45	0.0 ppm
149	4/27/2021	10:46	0.0 ppm
150	4/27/2021	10:47	0.0 ppm
151	4/27/2021	10:48	0.0 ppm
152	4/27/2021	10:49	0.0 ppm
153	4/27/2021	10:50	0.0 ppm
154	4/27/2021	10:51	0.0 ppm
155	4/27/2021	10:52	0.0 ppm
156	4/27/2021	10:53	0.0 ppm
157	4/27/2021	10:54	0.0 ppm
158	4/27/2021	10:55	0.0 ppm
159	4/27/2021	10:56	0.0 ppm
160	4/27/2021	10:57	0.0 ppm
161	4/27/2021	10:58	0.0 ppm
162	4/27/2021	10:59	0.0 ppm
163	4/27/2021	11:00	0.0 ppm
164	4/27/2021	11:01	0.0 ppm
165	4/27/2021	11:02	0.0 ppm
166	4/27/2021	11:03	0.0 ppm
167	4/27/2021	11:04	0.0 ppm
168	4/27/2021	11:05	0.0 ppm
169	4/27/2021	11:06	0.0 ppm
170	4/27/2021	11:07	0.0 ppm
171	4/27/2021	11:08	0.0 ppm
172	4/27/2021	11:09	0.0 ppm
173	4/27/2021	11:10	0.0 ppm
174	4/27/2021	11:11	0.0 ppm
175	4/27/2021	11:12	0.0 ppm
176	4/27/2021	11:13	0.0 ppm

177	4/27/2021	11:14	0.0 ppm
178	4/27/2021	11:15	0.0 ppm
179	4/27/2021	11:16	0.0 ppm
180	4/27/2021	11:17	0.0 ppm
181	4/27/2021	11:18	0.0 ppm
182	4/27/2021	11:19	0.0 ppm
183	4/27/2021	11:20	0.0 ppm
184	4/27/2021	11:21	0.0 ppm
185	4/27/2021	11:22	0.0 ppm
186	4/27/2021	11:23	0.0 ppm
187	4/27/2021	11:24	0.0 ppm
188	4/27/2021	11:25	0.0 ppm
189	4/27/2021	11:26	0.0 ppm
190	4/27/2021	11:27	0.0 ppm
191	4/27/2021	11:28	0.0 ppm
192	4/27/2021	11:29	0.0 ppm
193	4/27/2021	11:30	0.0 ppm
194	4/27/2021	11:31	0.0 ppm
195	4/27/2021	11:32	0.0 ppm
196	4/27/2021	11:33	0.0 ppm
197	4/27/2021	11:34	0.0 ppm
198	4/27/2021	11:35	0.0 ppm
199	4/27/2021	11:36	0.0 ppm
200	4/27/2021	11:37	0.0 ppm
201	4/27/2021	11:38	0.0 ppm
202	4/27/2021	11:39	0.0 ppm
203	4/27/2021	11:40	0.0 ppm
204	4/27/2021	11:41	0.0 ppm
205	4/27/2021	11:42	0.0 ppm
206	4/27/2021	11:43	0.0 ppm
207	4/27/2021	11:44	0.0 ppm
208	4/27/2021	11:45	0.0 ppm
209	4/27/2021	11:46	0.0 ppm
210	4/27/2021	11:47	0.0 ppm
211	4/27/2021	11:48	0.0 ppm
212	4/27/2021	11:49	0.0 ppm
213	4/27/2021	11:50	0.0 ppm
214	4/27/2021	11:51	0.0 ppm
215	4/27/2021	11:52	0.0 ppm
216	4/27/2021	11:53	0.0 ppm
217	4/27/2021	11:54	0.0 ppm
218	4/27/2021	11:55	0.0 ppm
219	4/27/2021	11:56	0.0 ppm
220	4/27/2021	11:57	0.0 ppm
221	4/27/2021	11:58	0.0 ppm
222	4/27/2021	11:59	0.0 ppm
223	4/27/2021	12:00	0.0 ppm

224	4/27/2021 12:01	0.0 ppm
225	4/27/2021 12:02	0.0 ppm
226	4/27/2021 12:03	0.0 ppm
227	4/27/2021 12:04	0.0 ppm
228	4/27/2021 12:05	0.0 ppm
229	4/27/2021 12:06	0.0 ppm
230	4/27/2021 12:07	0.0 ppm
231	4/27/2021 12:08	0.0 ppm
232	4/27/2021 12:09	0.0 ppm
233	4/27/2021 12:10	0.0 ppm
234	4/27/2021 12:11	0.0 ppm
235	4/27/2021 12:12	0.0 ppm
236	4/27/2021 12:13	0.0 ppm
237	4/27/2021 12:14	0.0 ppm
238	4/27/2021 12:15	0.0 ppm
239	4/27/2021 12:16	0.0 ppm
240	4/27/2021 12:17	0.0 ppm
241	4/27/2021 12:18	0.0 ppm
242	4/27/2021 12:19	0.0 ppm
243	4/27/2021 12:20	0.0 ppm
244	4/27/2021 12:21	0.0 ppm
245	4/27/2021 12:22	0.0 ppm
246	4/27/2021 12:23	0.0 ppm
247	4/27/2021 12:24	0.0 ppm
248	4/27/2021 12:25	0.0 ppm
249	4/27/2021 12:26	0.0 ppm
250	4/27/2021 12:27	0.0 ppm
251	4/27/2021 12:28	0.0 ppm
252	4/27/2021 12:29	0.0 ppm
253	4/27/2021 12:30	0.0 ppm
254	4/27/2021 12:31	0.0 ppm
255	4/27/2021 12:32	0.0 ppm
256	4/27/2021 12:33	0.0 ppm
257	4/27/2021 12:34	0.0 ppm
258	4/27/2021 12:35	0.0 ppm
259	4/27/2021 12:36	0.0 ppm
260	4/27/2021 12:37	0.0 ppm
261	4/27/2021 12:38	0.0 ppm
262	4/27/2021 12:39	0.0 ppm
263	4/27/2021 12:40	0.0 ppm
264	4/27/2021 12:41	0.0 ppm
265	4/27/2021 12:42	0.0 ppm
266	4/27/2021 12:43	0.0 ppm
267	4/27/2021 12:44	0.0 ppm
268	4/27/2021 12:45	0.0 ppm
269	4/27/2021 12:46	0.0 ppm
270	4/27/2021 12:47	0.0 ppm

271	4/27/2021	12:48	0.0 ppm
272	4/27/2021	12:49	0.0 ppm
273	4/27/2021	12:50	0.0 ppm
274	4/27/2021	12:51	0.0 ppm
275	4/27/2021	12:52	0.0 ppm
276	4/27/2021	12:53	0.0 ppm
277	4/27/2021	12:54	0.0 ppm
278	4/27/2021	12:55	0.0 ppm
279	4/27/2021	12:56	0.0 ppm
280	4/27/2021	12:57	0.0 ppm
281	4/27/2021	12:58	0.0 ppm
282	4/27/2021	12:59	0.0 ppm
283	4/27/2021	13:00	0.0 ppm
284	4/27/2021	13:01	0.0 ppm
285	4/27/2021	13:02	0.0 ppm
286	4/27/2021	13:03	0.0 ppm
287	4/27/2021	13:04	0.0 ppm
288	4/27/2021	13:05	0.0 ppm
289	4/27/2021	13:06	0.0 ppm
290	4/27/2021	13:07	0.0 ppm
291	4/27/2021	13:08	0.0 ppm
292	4/27/2021	13:09	0.0 ppm
293	4/27/2021	13:10	0.0 ppm
294	4/27/2021	13:11	0.0 ppm
295	4/27/2021	13:12	0.0 ppm
296	4/27/2021	13:13	0.0 ppm
297	4/27/2021	13:14	0.0 ppm
298	4/27/2021	13:15	0.0 ppm
299	4/27/2021	13:16	0.0 ppm
300	4/27/2021	13:17	0.0 ppm
301	4/27/2021	13:18	0.0 ppm
302	4/27/2021	13:19	0.0 ppm
303	4/27/2021	13:20	0.0 ppm
304	4/27/2021	13:21	0.0 ppm
305	4/27/2021	13:22	0.0 ppm
306	4/27/2021	13:23	0.0 ppm
307	4/27/2021	13:24	0.0 ppm
308	4/27/2021	13:25	0.0 ppm
309	4/27/2021	13:26	0.0 ppm
310	4/27/2021	13:27	0.0 ppm
311	4/27/2021	13:28	0.0 ppm
312	4/27/2021	13:29	0.0 ppm
313	4/27/2021	13:30	0.0 ppm
314	4/27/2021	13:31	0.0 ppm
315	4/27/2021	13:32	0.0 ppm
316	4/27/2021	13:33	0.0 ppm
317	4/27/2021	13:34	0.0 ppm

318	4/27/2021 13:35	0.0 ppm
319	4/27/2021 13:36	0.0 ppm
320	4/27/2021 13:37	0.0 ppm
321	4/27/2021 13:38	0.0 ppm
322	4/27/2021 13:39	0.0 ppm
323	4/27/2021 13:40	0.0 ppm
324	4/27/2021 13:41	0.0 ppm
325	4/27/2021 13:42	0.0 ppm
326	4/27/2021 13:43	0.0 ppm
327	4/27/2021 13:44	0.0 ppm
328	4/27/2021 13:45	0.0 ppm
329	4/27/2021 13:46	0.0 ppm
330	4/27/2021 13:47	0.0 ppm
331	4/27/2021 13:48	0.0 ppm

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21/05/05 07:42
****
Summary

Unit Name MiniRAE 3000 +(PGM-7320)
Unit SN 592-928270
Unit Firmware Ver V2.20A

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

Site ID RAE00000
User ID USER0000

Begin 5/5/2021 07:42:28
End 5/5/2021 14:57:47
Sample Period(s) 60
Number of Records 435

Sensor PID(ppm)
Sensor SN S023030018W6
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 5/5/2021 07:42
Peak 31.0
Min 0.0
Average 0.7

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	5/5/2021 07:43:28	0.0	0.0	0.1	0.0	
002	5/5/2021 07:44:28	0.0	0.0	0.0	0.0	
003	5/5/2021 07:45:28	0.0	0.0	0.4	0.0	
004	5/5/2021 07:46:28	0.0	0.0	0.4	0.0	
005	5/5/2021 07:47:28	0.0	0.0	0.0	0.0	
006	5/5/2021 07:48:28	0.0	0.0	0.0	0.0	
007	5/5/2021 07:49:28	0.0	0.0	0.0	0.0	
008	5/5/2021 07:50:28	0.0	0.0	0.0	0.0	

009	5/5/2021 07:51:28	0.0	0.0	0.0	0.0
010	5/5/2021 07:52:28	0.0	0.0	0.0	0.0
011	5/5/2021 07:53:28	0.0	0.0	0.0	0.0
012	5/5/2021 07:54:28	0.0	0.0	0.0	0.0
013	5/5/2021 07:55:28	0.0	0.0	0.0	0.0
014	5/5/2021 07:56:28	0.0	0.0	0.0	0.0
015	5/5/2021 07:57:28	0.0	0.0	0.0	0.0
016	5/5/2021 07:58:28	0.0	0.0	0.0	0.0
017	5/5/2021 07:59:28	0.0	0.0	0.0	0.0
018	5/5/2021 08:00:28	0.0	0.0	0.0	0.0
019	5/5/2021 08:01:28	0.0	0.0	0.0	0.0
020	5/5/2021 08:02:28	0.0	0.0	0.0	0.0
021	5/5/2021 08:03:28	0.0	0.0	0.0	0.0
022	5/5/2021 08:04:28	0.0	0.0	0.0	0.0
023	5/5/2021 08:05:28	0.0	0.0	0.0	0.0
024	5/5/2021 08:06:28	0.0	0.0	0.0	0.0
025	5/5/2021 08:07:28	0.0	0.0	0.0	0.0
026	5/5/2021 08:08:28	0.0	0.0	0.0	0.0
027	5/5/2021 08:09:28	0.0	0.0	0.0	0.0
028	5/5/2021 08:10:28	0.0	0.0	0.0	0.0
029	5/5/2021 08:11:28	0.0	0.0	0.0	0.0
030	5/5/2021 08:12:28	0.0	0.0	0.0	0.0
031	5/5/2021 08:13:28	0.0	0.0	0.0	0.0
032	5/5/2021 08:14:28	0.0	0.0	0.0	0.0
033	5/5/2021 08:15:28	0.0	0.0	0.0	0.0
034	5/5/2021 08:16:28	0.0	0.0	0.0	0.0
035	5/5/2021 08:17:28	0.0	0.0	0.0	0.0
036	5/5/2021 08:18:28	0.0	0.0	0.0	0.0
037	5/5/2021 08:19:28	0.0	0.0	0.0	0.0
038	5/5/2021 08:20:28	0.0	0.0	0.0	0.0
039	5/5/2021 08:21:28	0.0	0.0	0.0	0.0
040	5/5/2021 08:22:28	0.0	0.0	0.0	0.0
041	5/5/2021 08:23:28	0.0	0.0	0.0	0.0
042	5/5/2021 08:24:28	0.0	0.0	0.0	0.0
043	5/5/2021 08:25:28	0.0	0.0	0.0	0.0
044	5/5/2021 08:26:28	0.0	0.0	0.0	0.0
045	5/5/2021 08:27:28	0.0	0.0	0.0	0.0
046	5/5/2021 08:28:28	0.0	0.0	0.0	0.0
047	5/5/2021 08:29:28	0.0	0.0	0.0	0.0
048	5/5/2021 08:30:28	0.0	0.0	0.0	0.0
049	5/5/2021 08:31:28	0.0	0.0	0.0	0.0
050	5/5/2021 08:32:28	0.0	0.0	0.0	0.0
051	5/5/2021 08:33:28	0.0	0.0	0.0	0.0
052	5/5/2021 08:34:28	0.0	0.0	0.0	0.0
053	5/5/2021 08:35:28	0.0	0.0	0.0	0.0
054	5/5/2021 08:36:28	0.0	0.0	0.0	0.0
055	5/5/2021 08:37:28	0.0	0.0	0.0	0.0
056	5/5/2021 08:38:28	0.0	0.0	0.0	0.0
057	5/5/2021 08:39:28	0.0	0.0	0.0	0.0
058	5/5/2021 08:40:28	0.0	0.0	0.0	0.0

059	5/5/2021 08:41:28	0.0	0.0	0.0	0.0
060	5/5/2021 08:42:28	0.0	0.0	0.0	0.0
061	5/5/2021 08:43:28	0.0	0.0	0.0	0.0
062	5/5/2021 08:44:28	0.0	0.0	0.0	0.0
063	5/5/2021 08:45:28	0.0	0.0	0.0	0.0
064	5/5/2021 08:46:28	0.0	0.0	0.0	0.0
065	5/5/2021 08:47:28	0.0	0.0	0.0	0.0
066	5/5/2021 08:48:28	0.0	0.0	0.0	0.0
067	5/5/2021 08:49:28	0.0	0.0	0.0	0.0
068	5/5/2021 08:50:28	0.0	0.0	0.0	0.0
069	5/5/2021 08:51:28	0.0	0.0	0.0	0.0
070	5/5/2021 08:52:28	0.0	0.0	0.0	0.0
071	5/5/2021 08:53:28	0.0	0.0	0.0	0.0
072	5/5/2021 08:54:28	0.0	0.0	0.0	0.0
073	5/5/2021 08:55:28	0.0	0.0	0.0	0.0
074	5/5/2021 08:56:28	0.0	0.0	0.0	0.0
075	5/5/2021 08:57:28	0.0	0.0	0.0	0.0
076	5/5/2021 08:58:28	0.0	0.0	0.0	0.0
077	5/5/2021 08:59:28	0.0	0.0	0.0	0.0
078	5/5/2021 09:00:28	0.0	0.0	0.0	0.0
079	5/5/2021 09:01:28	0.0	0.0	0.0	0.0
080	5/5/2021 09:02:28	0.0	0.0	0.0	0.0
081	5/5/2021 09:03:28	0.0	0.0	0.0	0.0
082	5/5/2021 09:04:28	0.0	0.0	0.0	0.0
083	5/5/2021 09:05:28	0.0	0.0	0.0	0.0
084	5/5/2021 09:06:28	0.0	0.0	0.0	0.0
085	5/5/2021 09:07:28	0.0	0.0	0.0	0.0
086	5/5/2021 09:08:28	0.0	0.0	0.0	0.0
087	5/5/2021 09:09:28	0.0	0.0	0.0	0.0
088	5/5/2021 09:10:28	0.0	0.0	0.0	0.0
089	5/5/2021 09:11:28	0.0	0.0	0.0	0.0
090	5/5/2021 09:12:28	0.0	0.0	0.0	0.0
091	5/5/2021 09:13:28	0.0	0.0	0.0	0.0
092	5/5/2021 09:14:28	0.0	0.0	0.0	0.0
093	5/5/2021 09:15:28	0.0	0.0	0.0	0.0
094	5/5/2021 09:16:28	0.0	0.0	0.0	0.0
095	5/5/2021 09:17:28	0.0	0.0	0.0	0.0
096	5/5/2021 09:18:28	0.0	0.0	0.0	0.0
097	5/5/2021 09:19:28	0.0	0.0	0.0	0.0
098	5/5/2021 09:20:28	0.0	0.0	0.0	0.0
099	5/5/2021 09:21:28	0.0	0.0	0.0	0.0
100	5/5/2021 09:22:28	0.0	0.0	0.0	0.0
101	5/5/2021 09:23:28	0.0	0.0	0.0	0.0
102	5/5/2021 09:24:28	0.0	0.0	0.0	0.0
103	5/5/2021 09:25:28	0.0	0.0	0.0	0.0
104	5/5/2021 09:26:28	0.0	0.0	0.0	0.0
105	5/5/2021 09:27:28	0.0	0.0	0.0	0.0
106	5/5/2021 09:28:28	0.0	0.0	0.0	0.0
107	5/5/2021 09:29:28	0.0	0.0	0.0	0.0
108	5/5/2021 09:30:28	0.0	0.0	0.0	0.0

109	5/5/2021 09:31:28	0.0	0.0	0.0	0.0
110	5/5/2021 09:32:28	0.0	0.0	0.0	0.0
111	5/5/2021 09:33:28	0.0	0.0	0.0	0.0
112	5/5/2021 09:34:28	0.0	0.0	0.0	0.0
113	5/5/2021 09:35:28	0.0	0.0	0.0	0.0
114	5/5/2021 09:36:28	0.0	0.0	0.0	0.0
115	5/5/2021 09:37:28	0.0	0.0	0.0	0.0
116	5/5/2021 09:38:28	0.0	0.0	0.0	0.0
117	5/5/2021 09:39:28	0.0	0.0	0.0	0.0
118	5/5/2021 09:40:28	0.0	0.0	0.0	0.0
119	5/5/2021 09:41:28	0.0	0.0	0.0	0.0
120	5/5/2021 09:42:28	0.0	0.0	0.0	0.0
121	5/5/2021 09:43:28	0.0	0.0	0.0	0.0
122	5/5/2021 09:44:28	0.0	0.0	0.0	0.0
123	5/5/2021 09:45:28	0.0	0.0	0.0	0.0
124	5/5/2021 09:46:28	0.0	0.0	0.0	0.0
125	5/5/2021 09:47:28	0.0	0.0	0.0	0.0
126	5/5/2021 09:48:28	0.0	0.0	0.0	0.0
127	5/5/2021 09:49:28	0.0	0.0	0.0	0.0
128	5/5/2021 09:50:28	0.0	0.0	0.0	0.0
129	5/5/2021 09:51:28	0.0	0.0	0.0	0.0
130	5/5/2021 09:52:28	0.0	0.0	0.0	0.0
131	5/5/2021 09:53:28	0.0	0.0	0.0	0.0
132	5/5/2021 09:54:28	0.0	0.0	0.0	0.0
133	5/5/2021 09:55:28	0.0	0.0	0.0	0.0
134	5/5/2021 09:56:28	0.0	0.0	0.0	0.0
135	5/5/2021 09:57:28	0.0	0.0	0.0	0.0
136	5/5/2021 09:58:28	0.0	0.0	0.0	0.0
137	5/5/2021 09:59:28	0.0	0.0	0.0	0.0
138	5/5/2021 10:00:28	0.0	0.0	0.0	0.0
139	5/5/2021 10:01:28	0.0	0.0	0.0	0.0
140	5/5/2021 10:02:28	0.0	0.0	0.0	0.0
141	5/5/2021 10:03:28	0.0	0.0	0.0	0.0
142	5/5/2021 10:04:28	0.0	0.0	0.0	0.0
143	5/5/2021 10:05:28	0.0	0.0	0.0	0.0
144	5/5/2021 10:06:28	0.0	0.0	0.0	0.0
145	5/5/2021 10:07:28	0.0	0.0	0.0	0.0
146	5/5/2021 10:08:28	0.0	0.0	0.0	0.0
147	5/5/2021 10:09:28	0.0	0.0	0.0	0.0
148	5/5/2021 10:10:28	0.0	0.0	0.0	0.0
149	5/5/2021 10:11:28	0.0	0.0	0.0	0.0
150	5/5/2021 10:12:28	0.0	0.0	0.0	0.0
151	5/5/2021 10:13:28	0.0	0.0	0.0	0.0
152	5/5/2021 10:14:28	0.0	0.0	0.0	0.0
153	5/5/2021 10:15:28	0.0	0.0	0.0	0.0
154	5/5/2021 10:16:28	0.0	0.0	0.0	0.0
155	5/5/2021 10:17:28	0.0	0.0	0.0	0.0
156	5/5/2021 10:18:28	0.0	0.0	0.0	0.0
157	5/5/2021 10:19:28	0.0	0.0	0.0	0.0
158	5/5/2021 10:20:28	0.0	0.0	0.0	0.0

159	5/5/2021 10:21:28	0.0	0.0	0.0	0.0
160	5/5/2021 10:22:28	0.0	0.0	0.0	0.0
161	5/5/2021 10:23:28	0.0	0.0	0.0	0.0
162	5/5/2021 10:24:28	0.0	0.0	0.0	0.0
163	5/5/2021 10:25:28	0.0	0.0	0.1	0.0
164	5/5/2021 10:26:28	0.0	0.0	0.0	0.0
165	5/5/2021 10:27:28	0.0	0.2	0.3	0.2
166	5/5/2021 10:28:28	0.1	0.2	0.7	0.7
167	5/5/2021 10:29:28	0.3	0.5	0.8	0.4
168	5/5/2021 10:30:28	0.1	0.2	0.4	0.2
169	5/5/2021 10:31:28	0.2	0.2	0.2	0.2
170	5/5/2021 10:32:28	0.1	0.2	0.2	0.2
171	5/5/2021 10:33:28	0.2	0.5	0.9	0.5
172	5/5/2021 10:34:28	0.3	0.4	0.5	0.5
173	5/5/2021 10:35:28	0.5	0.7	0.9	0.5
174	5/5/2021 10:36:28	0.0	0.4	0.6	0.0
175	5/5/2021 10:37:28	0.0	0.0	0.2	0.0
176	5/5/2021 10:38:28	0.0	0.0	0.0	0.0
177	5/5/2021 10:39:28	0.0	0.0	0.0	0.0
178	5/5/2021 10:40:28	0.0	0.0	0.0	0.0
179	5/5/2021 10:41:28	0.0	0.0	0.0	0.0
180	5/5/2021 10:42:28	0.0	0.0	0.0	0.0
181	5/5/2021 10:43:28	0.0	0.0	0.0	0.0
182	5/5/2021 10:44:28	0.0	0.0	0.0	0.0
183	5/5/2021 10:45:28	0.0	0.0	0.0	0.0
184	5/5/2021 10:46:28	0.0	0.0	0.0	0.0
185	5/5/2021 10:47:28	0.0	0.0	0.0	0.0
186	5/5/2021 10:48:28	0.0	0.0	0.0	0.0
187	5/5/2021 10:49:28	0.0	0.0	0.0	0.0
188	5/5/2021 10:50:28	0.0	0.0	0.6	0.5
189	5/5/2021 10:51:28	0.0	2.6	5.6	3.4
190	5/5/2021 10:52:28	0.1	1.0	3.1	0.9
191	5/5/2021 10:53:28	1.2	3.5	5.4	5.4
192	5/5/2021 10:54:28	2.3	2.9	5.3	2.3
193	5/5/2021 10:55:28	1.8	2.3	3.2	3.2
194	5/5/2021 10:56:28	3.1	5.2	6.8	3.1
195	5/5/2021 10:57:28	0.8	1.8	2.7	2.0
196	5/5/2021 10:58:28	0.6	0.9	2.0	0.8
197	5/5/2021 10:59:28	0.8	10.7	26.1	15.4
198	5/5/2021 11:00:28	15.8	23.5	26.8	24.5
199	5/5/2021 11:01:28	17.5	20.4	23.8	19.8
200	5/5/2021 11:02:28	19.5	25.0	33.4	31.0
201	5/5/2021 11:03:28	15.8	27.9	33.1	15.8
202	5/5/2021 11:04:28	4.6	10.6	15.4	6.9
203	5/5/2021 11:05:28	6.2	9.1	14.5	7.2
204	5/5/2021 11:06:28	6.6	11.9	14.7	14.1
205	5/5/2021 11:07:28	8.0	16.9	21.3	11.7
206	5/5/2021 11:08:28	5.0	7.3	12.1	5.9
207	5/5/2021 11:09:28	4.2	6.4	9.0	8.9
208	5/5/2021 11:10:28	2.7	8.0	10.8	2.8

209	5/5/2021 11:11:28	2.8	5.1	7.5	7.4
210	5/5/2021 11:12:28	2.0	4.5	13.8	2.6
211	5/5/2021 11:13:28	1.0	3.2	9.4	1.2
212	5/5/2021 11:14:28	0.4	0.6	1.0	0.7
213	5/5/2021 11:15:28	1.0	1.8	3.0	1.2
214	5/5/2021 11:16:28	0.2	0.6	1.8	0.4
215	5/5/2021 11:17:28	0.3	1.7	3.4	3.3
216	5/5/2021 11:18:28	1.5	5.3	8.7	8.0
217	5/5/2021 11:19:28	4.5	6.6	7.9	4.5
218	5/5/2021 11:20:28	2.7	3.8	5.3	2.7
219	5/5/2021 11:21:28	2.4	3.6	4.4	2.9
220	5/5/2021 11:22:28	1.9	2.9	4.6	2.2
221	5/5/2021 11:23:28	1.1	2.4	3.6	1.4
222	5/5/2021 11:24:28	0.3	1.1	2.9	0.9
223	5/5/2021 11:25:28	1.0	2.6	7.1	3.4
224	5/5/2021 11:26:28	2.1	4.0	6.4	6.4
225	5/5/2021 11:27:28	3.7	4.8	6.4	3.7
226	5/5/2021 11:28:28	3.1	3.4	3.9	3.9
227	5/5/2021 11:29:28	3.8	4.5	5.8	4.4
228	5/5/2021 11:30:28	4.1	5.5	9.5	8.3
229	5/5/2021 11:31:28	4.0	5.7	12.0	4.7
230	5/5/2021 11:32:28	4.1	6.3	9.3	5.9
231	5/5/2021 11:33:28	3.3	5.4	7.9	5.2
232	5/5/2021 11:34:28	4.2	5.7	9.3	5.2
233	5/5/2021 11:35:28	3.1	5.9	9.8	3.1
234	5/5/2021 11:36:28	1.0	2.0	3.2	1.5
235	5/5/2021 11:37:28	1.2	2.3	4.6	2.9
236	5/5/2021 11:38:28	0.7	1.4	2.8	0.7
237	5/5/2021 11:39:28	0.7	3.0	5.1	3.0
238	5/5/2021 11:40:28	2.1	3.1	4.4	3.8
239	5/5/2021 11:41:28	0.7	1.5	3.8	1.8
240	5/5/2021 11:42:28	0.9	1.7	3.0	2.7
241	5/5/2021 11:43:28	2.3	2.9	3.8	2.3
242	5/5/2021 11:44:28	0.6	1.1	2.2	0.9
243	5/5/2021 11:45:28	0.4	1.5	2.8	0.5
244	5/5/2021 11:46:28	0.4	1.3	2.2	1.9
245	5/5/2021 11:47:28	0.9	1.7	2.5	1.4
246	5/5/2021 11:48:28	0.3	0.7	1.2	1.2
247	5/5/2021 11:49:28	0.2	0.7	1.3	0.2
248	5/5/2021 11:50:28	0.0	0.2	0.5	0.2
249	5/5/2021 11:51:28	0.1	0.2	0.4	0.4
250	5/5/2021 11:52:28	0.1	0.2	0.4	0.2
251	5/5/2021 11:53:28	0.0	0.2	0.4	0.0
252	5/5/2021 11:54:28	0.0	0.0	0.1	0.0
253	5/5/2021 11:55:28	0.0	0.1	0.6	0.6
254	5/5/2021 11:56:28	0.6	1.1	1.2	1.2
255	5/5/2021 11:57:28	0.0	0.4	1.2	0.0
256	5/5/2021 11:58:28	0.0	0.3	0.8	0.8
257	5/5/2021 11:59:28	0.6	1.4	2.4	1.4
258	5/5/2021 12:00:28	0.6	0.8	1.3	0.8

259	5/5/2021 12:01:28	0.0	0.4	0.8	0.2
260	5/5/2021 12:02:28	0.1	0.5	1.3	1.3
261	5/5/2021 12:03:28	0.5	0.8	1.3	0.6
262	5/5/2021 12:04:28	0.1	0.3	0.6	0.3
263	5/5/2021 12:05:28	0.3	0.4	0.6	0.6
264	5/5/2021 12:06:28	0.2	0.4	0.7	0.3
265	5/5/2021 12:07:28	0.1	0.2	0.4	0.4
266	5/5/2021 12:08:28	0.0	0.4	1.0	0.0
267	5/5/2021 12:09:28	0.0	0.0	0.0	0.0
268	5/5/2021 12:10:28	0.0	0.4	1.4	1.3
269	5/5/2021 12:11:28	0.1	0.9	1.4	0.1
270	5/5/2021 12:12:28	0.0	0.1	0.2	0.2
271	5/5/2021 12:13:28	0.2	0.5	0.9	0.5
272	5/5/2021 12:14:28	0.0	0.0	0.5	0.0
273	5/5/2021 12:15:28	0.0	0.0	0.1	0.0
274	5/5/2021 12:16:28	0.0	0.0	0.0	0.0
275	5/5/2021 12:17:28	0.0	0.0	0.0	0.0
276	5/5/2021 12:18:28	0.0	0.2	0.8	0.7
277	5/5/2021 12:19:28	0.0	0.3	0.8	0.4
278	5/5/2021 12:20:28	0.1	0.4	1.0	0.1
279	5/5/2021 12:21:28	0.0	0.0	0.1	0.0
280	5/5/2021 12:22:28	0.0	0.0	0.1	0.1
281	5/5/2021 12:23:28	0.0	0.2	0.4	0.4
282	5/5/2021 12:24:28	0.0	1.2	3.2	0.7
283	5/5/2021 12:25:28	0.3	1.5	2.8	1.0
284	5/5/2021 12:26:28	0.0	0.5	1.9	1.4
285	5/5/2021 12:27:28	0.4	0.8	1.4	1.1
286	5/5/2021 12:28:28	0.0	0.6	1.1	0.9
287	5/5/2021 12:29:28	0.0	0.7	1.3	0.0
288	5/5/2021 12:30:28	0.0	0.0	0.0	0.0
289	5/5/2021 12:31:28	0.0	0.0	0.0	0.0
290	5/5/2021 12:32:28	0.0	0.0	0.0	0.0
291	5/5/2021 12:33:28	0.0	0.0	0.0	0.0
292	5/5/2021 12:34:28	0.0	0.0	0.0	0.0
293	5/5/2021 12:35:28	0.0	0.0	0.0	0.0
294	5/5/2021 12:36:28	0.0	0.0	0.0	0.0
295	5/5/2021 12:37:28	0.0	0.0	0.0	0.0
296	5/5/2021 12:38:28	0.0	0.0	0.0	0.0
297	5/5/2021 12:39:28	0.0	0.0	0.0	0.0
298	5/5/2021 12:40:28	0.0	0.0	0.0	0.0
299	5/5/2021 12:41:28	0.0	0.0	0.0	0.0
300	5/5/2021 12:42:28	0.0	0.0	0.0	0.0
301	5/5/2021 12:43:28	0.0	0.0	0.0	0.0
302	5/5/2021 12:44:28	0.0	0.0	0.0	0.0
303	5/5/2021 12:45:28	0.0	0.0	0.0	0.0
304	5/5/2021 12:46:28	0.0	0.0	0.0	0.0
305	5/5/2021 12:47:28	0.0	0.0	0.0	0.0
306	5/5/2021 12:48:28	0.0	0.0	0.0	0.0
307	5/5/2021 12:49:28	0.0	0.0	0.0	0.0
308	5/5/2021 12:50:28	0.0	0.0	0.0	0.0

309	5/5/2021 12:51:28	0.0	0.0	0.0	0.0
310	5/5/2021 12:52:28	0.0	0.0	0.0	0.0
311	5/5/2021 12:53:28	0.0	0.0	0.0	0.0
312	5/5/2021 12:54:28	0.0	0.0	0.0	0.0
313	5/5/2021 12:55:28	0.0	0.0	0.0	0.0
314	5/5/2021 12:56:28	0.0	0.0	0.0	0.0
315	5/5/2021 12:57:28	0.0	0.0	0.0	0.0
316	5/5/2021 12:58:28	0.0	0.0	0.0	0.0
317	5/5/2021 12:59:28	0.0	0.0	0.0	0.0
318	5/5/2021 13:00:28	0.0	0.0	0.0	0.0
319	5/5/2021 13:01:28	0.0	0.0	0.0	0.0
320	5/5/2021 13:02:28	0.0	0.0	0.0	0.0
321	5/5/2021 13:03:28	0.0	0.0	0.0	0.0
322	5/5/2021 13:04:28	0.0	0.0	0.0	0.0
323	5/5/2021 13:05:28	0.0	0.0	0.0	0.0
324	5/5/2021 13:06:28	0.0	0.0	0.0	0.0
325	5/5/2021 13:07:28	0.0	0.0	0.0	0.0
326	5/5/2021 13:08:28	0.0	0.0	0.0	0.0
327	5/5/2021 13:09:28	0.0	0.0	0.0	0.0
328	5/5/2021 13:10:28	0.0	0.0	0.0	0.0
329	5/5/2021 13:11:28	0.0	0.0	0.0	0.0
330	5/5/2021 13:12:28	0.0	0.0	0.0	0.0
331	5/5/2021 13:13:28	0.0	0.0	0.0	0.0
332	5/5/2021 13:14:28	0.0	0.0	0.0	0.0
333	5/5/2021 13:15:28	0.0	0.0	0.0	0.0
334	5/5/2021 13:16:28	0.0	0.0	0.0	0.0
335	5/5/2021 13:17:28	0.0	0.0	0.0	0.0
336	5/5/2021 13:18:28	0.0	0.0	0.0	0.0
337	5/5/2021 13:19:28	0.0	0.0	0.0	0.0
338	5/5/2021 13:20:28	0.0	0.0	0.0	0.0
339	5/5/2021 13:21:28	0.0	0.0	0.0	0.0
340	5/5/2021 13:22:28	0.0	0.0	0.0	0.0
341	5/5/2021 13:23:28	0.0	0.0	0.0	0.0
342	5/5/2021 13:24:28	0.0	0.0	0.0	0.0
343	5/5/2021 13:25:28	0.0	0.0	0.0	0.0
344	5/5/2021 13:26:28	0.0	0.0	0.0	0.0
345	5/5/2021 13:27:28	0.0	0.0	0.0	0.0
346	5/5/2021 13:28:28	0.0	0.0	0.0	0.0
347	5/5/2021 13:29:28	0.0	0.0	0.0	0.0
348	5/5/2021 13:30:28	0.0	0.0	0.0	0.0
349	5/5/2021 13:31:28	0.0	0.0	0.0	0.0
350	5/5/2021 13:32:28	0.0	0.0	0.0	0.0
351	5/5/2021 13:33:28	0.0	0.0	0.0	0.0
352	5/5/2021 13:34:28	0.0	0.0	0.0	0.0
353	5/5/2021 13:35:28	0.0	0.0	0.0	0.0
354	5/5/2021 13:36:28	0.0	0.0	0.0	0.0
355	5/5/2021 13:37:28	0.0	0.0	0.0	0.0
356	5/5/2021 13:38:28	0.0	0.0	0.0	0.0
357	5/5/2021 13:39:28	0.0	0.0	0.0	0.0
358	5/5/2021 13:40:28	0.0	0.0	0.0	0.0

359	5/5/2021 13:41:28	0.0	0.0	0.0	0.0
360	5/5/2021 13:42:28	0.0	0.0	0.0	0.0
361	5/5/2021 13:43:28	0.0	0.0	0.0	0.0
362	5/5/2021 13:44:28	0.0	0.0	0.0	0.0
363	5/5/2021 13:45:28	0.0	0.0	0.0	0.0
364	5/5/2021 13:46:28	0.0	0.0	0.0	0.0
365	5/5/2021 13:47:28	0.0	0.0	0.0	0.0
366	5/5/2021 13:48:28	0.0	0.0	0.0	0.0
367	5/5/2021 13:49:28	0.0	0.0	0.0	0.0
368	5/5/2021 13:50:28	0.0	0.0	0.0	0.0
369	5/5/2021 13:51:28	0.0	0.0	0.0	0.0
370	5/5/2021 13:52:28	0.0	0.0	0.0	0.0
371	5/5/2021 13:53:28	0.0	0.0	0.0	0.0
372	5/5/2021 13:54:28	0.0	0.0	0.0	0.0
373	5/5/2021 13:55:28	0.0	0.0	0.0	0.0
374	5/5/2021 13:56:28	0.0	0.0	0.0	0.0
375	5/5/2021 13:57:28	0.0	0.0	0.0	0.0
376	5/5/2021 13:58:28	0.0	0.0	0.0	0.0
377	5/5/2021 13:59:28	0.0	0.0	0.0	0.0
378	5/5/2021 14:00:28	0.0	0.0	0.0	0.0
379	5/5/2021 14:01:28	0.0	0.0	0.0	0.0
380	5/5/2021 14:02:28	0.0	0.0	0.0	0.0
381	5/5/2021 14:03:28	0.0	0.0	0.0	0.0
382	5/5/2021 14:04:28	0.0	0.0	0.0	0.0
383	5/5/2021 14:05:28	0.0	0.0	0.0	0.0
384	5/5/2021 14:06:28	0.0	0.0	0.0	0.0
385	5/5/2021 14:07:28	0.0	0.0	0.0	0.0
386	5/5/2021 14:08:28	0.0	0.0	0.0	0.0
387	5/5/2021 14:09:28	0.0	0.0	0.0	0.0
388	5/5/2021 14:10:28	0.0	0.0	0.0	0.0
389	5/5/2021 14:11:28	0.0	0.0	0.0	0.0
390	5/5/2021 14:12:28	0.0	0.0	0.0	0.0
391	5/5/2021 14:13:28	0.0	0.0	0.0	0.0
392	5/5/2021 14:14:28	0.0	0.0	0.0	0.0
393	5/5/2021 14:15:28	0.0	0.0	0.0	0.0
394	5/5/2021 14:16:28	0.0	0.0	0.0	0.0
395	5/5/2021 14:17:28	0.0	0.0	0.0	0.0
396	5/5/2021 14:18:28	0.0	0.0	0.0	0.0
397	5/5/2021 14:19:28	0.0	0.0	0.0	0.0
398	5/5/2021 14:20:28	0.0	0.0	0.0	0.0
399	5/5/2021 14:21:28	0.0	0.0	0.0	0.0
400	5/5/2021 14:22:28	0.0	0.0	0.0	0.0
401	5/5/2021 14:23:28	0.0	0.0	0.0	0.0
402	5/5/2021 14:24:28	0.0	0.0	0.0	0.0
403	5/5/2021 14:25:28	0.0	0.0	0.0	0.0
404	5/5/2021 14:26:28	0.0	0.0	0.0	0.0
405	5/5/2021 14:27:28	0.0	0.0	0.0	0.0
406	5/5/2021 14:28:28	0.0	0.0	0.0	0.0
407	5/5/2021 14:29:28	0.0	0.0	0.0	0.0
408	5/5/2021 14:30:28	0.0	0.0	0.0	0.0

409	5/5/2021 14:31:28	0.0	0.0	0.0	0.0
410	5/5/2021 14:32:28	0.0	0.0	0.0	0.0
411	5/5/2021 14:33:28	0.0	0.0	0.0	0.0
412	5/5/2021 14:34:28	0.0	0.0	0.0	0.0
413	5/5/2021 14:35:28	0.0	0.0	0.0	0.0
414	5/5/2021 14:36:28	0.0	0.0	0.0	0.0
415	5/5/2021 14:37:28	0.0	0.0	0.0	0.0
416	5/5/2021 14:38:28	0.0	0.0	0.0	0.0
417	5/5/2021 14:39:28	0.0	0.0	0.0	0.0
418	5/5/2021 14:40:28	0.0	0.0	0.0	0.0
419	5/5/2021 14:41:28	0.0	0.0	0.0	0.0
420	5/5/2021 14:42:28	0.0	0.0	0.0	0.0
421	5/5/2021 14:43:28	0.0	0.0	0.0	0.0
422	5/5/2021 14:44:28	0.0	0.0	0.0	0.0
423	5/5/2021 14:45:28	0.0	0.0	0.0	0.0
424	5/5/2021 14:46:28	0.0	0.0	0.0	0.0
425	5/5/2021 14:47:28	0.0	0.0	0.0	0.0
426	5/5/2021 14:48:28	0.0	0.0	0.0	0.0
427	5/5/2021 14:49:28	0.0	0.0	0.0	0.0
428	5/5/2021 14:50:28	0.0	0.0	0.0	0.0
429	5/5/2021 14:51:28	0.0	0.0	0.0	0.0
430	5/5/2021 14:52:28	0.0	0.0	0.0	0.0
431	5/5/2021 14:53:28	0.0	0.0	0.0	0.0
432	5/5/2021 14:54:28	0.0	0.0	0.0	0.0
433	5/5/2021 14:55:28	0.0	0.0	0.0	0.0
434	5/5/2021 14:56:28	0.0	0.0	0.0	0.0
435	5/5/2021 14:57:28	0.0	0.0	0.0	0.0
Peak		19.5	27.9	33.4	31.0
Min		0.0	0.0	0.0	0.0
Average		0.4	0.8	1.2	0.7

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	5/5/2021 07:43:28	0.0	---
002	5/5/2021 07:44:28	0.0	---
003	5/5/2021 07:45:28	0.0	---
004	5/5/2021 07:46:28	0.0	---
005	5/5/2021 07:47:28	0.0	---
006	5/5/2021 07:48:28	0.0	---
007	5/5/2021 07:49:28	0.0	---
008	5/5/2021 07:50:28	0.0	---
009	5/5/2021 07:51:28	0.0	---
010	5/5/2021 07:52:28	0.0	---
011	5/5/2021 07:53:28	0.0	---
012	5/5/2021 07:54:28	0.0	---
013	5/5/2021 07:55:28	0.0	---
014	5/5/2021 07:56:28	0.0	---
015	5/5/2021 07:57:28	0.0	0.0

016	5/5/2021 07:58:28	0.0	0.0
017	5/5/2021 07:59:28	0.0	0.0
018	5/5/2021 08:00:28	0.0	0.0
019	5/5/2021 08:01:28	0.0	0.0
020	5/5/2021 08:02:28	0.0	0.0
021	5/5/2021 08:03:28	0.0	0.0
022	5/5/2021 08:04:28	0.0	0.0
023	5/5/2021 08:05:28	0.0	0.0
024	5/5/2021 08:06:28	0.0	0.0
025	5/5/2021 08:07:28	0.0	0.0
026	5/5/2021 08:08:28	0.0	0.0
027	5/5/2021 08:09:28	0.0	0.0
028	5/5/2021 08:10:28	0.0	0.0
029	5/5/2021 08:11:28	0.0	0.0
030	5/5/2021 08:12:28	0.0	0.0
031	5/5/2021 08:13:28	0.0	0.0
032	5/5/2021 08:14:28	0.0	0.0
033	5/5/2021 08:15:28	0.0	0.0
034	5/5/2021 08:16:28	0.0	0.0
035	5/5/2021 08:17:28	0.0	0.0
036	5/5/2021 08:18:28	0.0	0.0
037	5/5/2021 08:19:28	0.0	0.0
038	5/5/2021 08:20:28	0.0	0.0
039	5/5/2021 08:21:28	0.0	0.0
040	5/5/2021 08:22:28	0.0	0.0
041	5/5/2021 08:23:28	0.0	0.0
042	5/5/2021 08:24:28	0.0	0.0
043	5/5/2021 08:25:28	0.0	0.0
044	5/5/2021 08:26:28	0.0	0.0
045	5/5/2021 08:27:28	0.0	0.0
046	5/5/2021 08:28:28	0.0	0.0
047	5/5/2021 08:29:28	0.0	0.0
048	5/5/2021 08:30:28	0.0	0.0
049	5/5/2021 08:31:28	0.0	0.0
050	5/5/2021 08:32:28	0.0	0.0
051	5/5/2021 08:33:28	0.0	0.0
052	5/5/2021 08:34:28	0.0	0.0
053	5/5/2021 08:35:28	0.0	0.0
054	5/5/2021 08:36:28	0.0	0.0
055	5/5/2021 08:37:28	0.0	0.0
056	5/5/2021 08:38:28	0.0	0.0
057	5/5/2021 08:39:28	0.0	0.0
058	5/5/2021 08:40:28	0.0	0.0
059	5/5/2021 08:41:28	0.0	0.0
060	5/5/2021 08:42:28	0.0	0.0
061	5/5/2021 08:43:28	0.0	0.0
062	5/5/2021 08:44:28	0.0	0.0
063	5/5/2021 08:45:28	0.0	0.0
064	5/5/2021 08:46:28	0.0	0.0
065	5/5/2021 08:47:28	0.0	0.0

066	5/5/2021 08:48:28	0.0	0.0
067	5/5/2021 08:49:28	0.0	0.0
068	5/5/2021 08:50:28	0.0	0.0
069	5/5/2021 08:51:28	0.0	0.0
070	5/5/2021 08:52:28	0.0	0.0
071	5/5/2021 08:53:28	0.0	0.0
072	5/5/2021 08:54:28	0.0	0.0
073	5/5/2021 08:55:28	0.0	0.0
074	5/5/2021 08:56:28	0.0	0.0
075	5/5/2021 08:57:28	0.0	0.0
076	5/5/2021 08:58:28	0.0	0.0
077	5/5/2021 08:59:28	0.0	0.0
078	5/5/2021 09:00:28	0.0	0.0
079	5/5/2021 09:01:28	0.0	0.0
080	5/5/2021 09:02:28	0.0	0.0
081	5/5/2021 09:03:28	0.0	0.0
082	5/5/2021 09:04:28	0.0	0.0
083	5/5/2021 09:05:28	0.0	0.0
084	5/5/2021 09:06:28	0.0	0.0
085	5/5/2021 09:07:28	0.0	0.0
086	5/5/2021 09:08:28	0.0	0.0
087	5/5/2021 09:09:28	0.0	0.0
088	5/5/2021 09:10:28	0.0	0.0
089	5/5/2021 09:11:28	0.0	0.0
090	5/5/2021 09:12:28	0.0	0.0
091	5/5/2021 09:13:28	0.0	0.0
092	5/5/2021 09:14:28	0.0	0.0
093	5/5/2021 09:15:28	0.0	0.0
094	5/5/2021 09:16:28	0.0	0.0
095	5/5/2021 09:17:28	0.0	0.0
096	5/5/2021 09:18:28	0.0	0.0
097	5/5/2021 09:19:28	0.0	0.0
098	5/5/2021 09:20:28	0.0	0.0
099	5/5/2021 09:21:28	0.0	0.0
100	5/5/2021 09:22:28	0.0	0.0
101	5/5/2021 09:23:28	0.0	0.0
102	5/5/2021 09:24:28	0.0	0.0
103	5/5/2021 09:25:28	0.0	0.0
104	5/5/2021 09:26:28	0.0	0.0
105	5/5/2021 09:27:28	0.0	0.0
106	5/5/2021 09:28:28	0.0	0.0
107	5/5/2021 09:29:28	0.0	0.0
108	5/5/2021 09:30:28	0.0	0.0
109	5/5/2021 09:31:28	0.0	0.0
110	5/5/2021 09:32:28	0.0	0.0
111	5/5/2021 09:33:28	0.0	0.0
112	5/5/2021 09:34:28	0.0	0.0
113	5/5/2021 09:35:28	0.0	0.0
114	5/5/2021 09:36:28	0.0	0.0
115	5/5/2021 09:37:28	0.0	0.0

116	5/5/2021 09:38:28	0.0	0.0
117	5/5/2021 09:39:28	0.0	0.0
118	5/5/2021 09:40:28	0.0	0.0
119	5/5/2021 09:41:28	0.0	0.0
120	5/5/2021 09:42:28	0.0	0.0
121	5/5/2021 09:43:28	0.0	0.0
122	5/5/2021 09:44:28	0.0	0.0
123	5/5/2021 09:45:28	0.0	0.0
124	5/5/2021 09:46:28	0.0	0.0
125	5/5/2021 09:47:28	0.0	0.0
126	5/5/2021 09:48:28	0.0	0.0
127	5/5/2021 09:49:28	0.0	0.0
128	5/5/2021 09:50:28	0.0	0.0
129	5/5/2021 09:51:28	0.0	0.0
130	5/5/2021 09:52:28	0.0	0.0
131	5/5/2021 09:53:28	0.0	0.0
132	5/5/2021 09:54:28	0.0	0.0
133	5/5/2021 09:55:28	0.0	0.0
134	5/5/2021 09:56:28	0.0	0.0
135	5/5/2021 09:57:28	0.0	0.0
136	5/5/2021 09:58:28	0.0	0.0
137	5/5/2021 09:59:28	0.0	0.0
138	5/5/2021 10:00:28	0.0	0.0
139	5/5/2021 10:01:28	0.0	0.0
140	5/5/2021 10:02:28	0.0	0.0
141	5/5/2021 10:03:28	0.0	0.0
142	5/5/2021 10:04:28	0.0	0.0
143	5/5/2021 10:05:28	0.0	0.0
144	5/5/2021 10:06:28	0.0	0.0
145	5/5/2021 10:07:28	0.0	0.0
146	5/5/2021 10:08:28	0.0	0.0
147	5/5/2021 10:09:28	0.0	0.0
148	5/5/2021 10:10:28	0.0	0.0
149	5/5/2021 10:11:28	0.0	0.0
150	5/5/2021 10:12:28	0.0	0.0
151	5/5/2021 10:13:28	0.0	0.0
152	5/5/2021 10:14:28	0.0	0.0
153	5/5/2021 10:15:28	0.0	0.0
154	5/5/2021 10:16:28	0.0	0.0
155	5/5/2021 10:17:28	0.0	0.0
156	5/5/2021 10:18:28	0.0	0.0
157	5/5/2021 10:19:28	0.0	0.0
158	5/5/2021 10:20:28	0.0	0.0
159	5/5/2021 10:21:28	0.0	0.0
160	5/5/2021 10:22:28	0.0	0.0
161	5/5/2021 10:23:28	0.0	0.0
162	5/5/2021 10:24:28	0.0	0.0
163	5/5/2021 10:25:28	0.0	0.0
164	5/5/2021 10:26:28	0.0	0.0
165	5/5/2021 10:27:28	0.0	0.0

166	5/5/2021 10:28:28	0.0	0.1
167	5/5/2021 10:29:28	0.0	0.1
168	5/5/2021 10:30:28	0.0	0.1
169	5/5/2021 10:31:28	0.0	0.1
170	5/5/2021 10:32:28	0.0	0.1
171	5/5/2021 10:33:28	0.0	0.2
172	5/5/2021 10:34:28	0.0	0.2
173	5/5/2021 10:35:28	0.0	0.2
174	5/5/2021 10:36:28	0.0	0.2
175	5/5/2021 10:37:28	0.0	0.2
176	5/5/2021 10:38:28	0.0	0.2
177	5/5/2021 10:39:28	0.0	0.2
178	5/5/2021 10:40:28	0.0	0.2
179	5/5/2021 10:41:28	0.0	0.2
180	5/5/2021 10:42:28	0.0	0.2
181	5/5/2021 10:43:28	0.0	0.2
182	5/5/2021 10:44:28	0.0	0.1
183	5/5/2021 10:45:28	0.0	0.1
184	5/5/2021 10:46:28	0.0	0.1
185	5/5/2021 10:47:28	0.0	0.1
186	5/5/2021 10:48:28	0.0	0.1
187	5/5/2021 10:49:28	0.0	0.0
188	5/5/2021 10:50:28	0.0	0.0
189	5/5/2021 10:51:28	0.0	0.3
190	5/5/2021 10:52:28	0.0	0.3
191	5/5/2021 10:53:28	0.0	0.7
192	5/5/2021 10:54:28	0.0	0.8
193	5/5/2021 10:55:28	0.0	1.0
194	5/5/2021 10:56:28	0.0	1.3
195	5/5/2021 10:57:28	0.1	1.4
196	5/5/2021 10:58:28	0.1	1.4
197	5/5/2021 10:59:28	0.1	2.5
198	5/5/2021 11:00:28	0.1	4.1
199	5/5/2021 11:01:28	0.2	5.4
200	5/5/2021 11:02:28	0.2	7.5
201	5/5/2021 11:03:28	0.3	8.5
202	5/5/2021 11:04:28	0.3	9.0
203	5/5/2021 11:05:28	0.3	9.4
204	5/5/2021 11:06:28	0.3	10.2
205	5/5/2021 11:07:28	0.4	10.9
206	5/5/2021 11:08:28	0.4	10.9
207	5/5/2021 11:09:28	0.4	11.4
208	5/5/2021 11:10:28	0.4	11.3
209	5/5/2021 11:11:28	0.4	11.6
210	5/5/2021 11:12:28	0.4	11.7
211	5/5/2021 11:13:28	0.4	11.7
212	5/5/2021 11:14:28	0.4	10.7
213	5/5/2021 11:15:28	0.4	9.1
214	5/5/2021 11:16:28	0.4	7.9
215	5/5/2021 11:17:28	0.4	6.0

216	5/5/2021 11:18:28	0.4	5.5
217	5/5/2021 11:19:28	0.5	5.3
218	5/5/2021 11:20:28	0.5	5.0
219	5/5/2021 11:21:28	0.5	4.3
220	5/5/2021 11:22:28	0.5	3.6
221	5/5/2021 11:23:28	0.5	3.3
222	5/5/2021 11:24:28	0.5	2.8
223	5/5/2021 11:25:28	0.5	2.9
224	5/5/2021 11:26:28	0.5	2.8
225	5/5/2021 11:27:28	0.5	2.9
226	5/5/2021 11:28:28	0.5	3.0
227	5/5/2021 11:29:28	0.5	3.3
228	5/5/2021 11:30:28	0.5	3.8
229	5/5/2021 11:31:28	0.5	4.0
230	5/5/2021 11:32:28	0.6	4.2
231	5/5/2021 11:33:28	0.6	4.0
232	5/5/2021 11:34:28	0.6	4.1
233	5/5/2021 11:35:28	0.6	4.1
234	5/5/2021 11:36:28	0.6	4.0
235	5/5/2021 11:37:28	0.6	4.1
236	5/5/2021 11:38:28	0.6	4.0
237	5/5/2021 11:39:28	0.6	4.2
238	5/5/2021 11:40:28	0.6	4.2
239	5/5/2021 11:41:28	0.6	3.9
240	5/5/2021 11:42:28	0.6	3.8
241	5/5/2021 11:43:28	0.6	3.7
242	5/5/2021 11:44:28	0.6	3.5
243	5/5/2021 11:45:28	0.6	2.9
244	5/5/2021 11:46:28	0.6	2.8
245	5/5/2021 11:47:28	0.6	2.5
246	5/5/2021 11:48:28	0.6	2.2
247	5/5/2021 11:49:28	0.6	1.9
248	5/5/2021 11:50:28	0.6	1.7
249	5/5/2021 11:51:28	0.6	1.6
250	5/5/2021 11:52:28	0.6	1.4
251	5/5/2021 11:53:28	0.6	1.4
252	5/5/2021 11:54:28	0.6	1.2
253	5/5/2021 11:55:28	0.6	1.0
254	5/5/2021 11:56:28	0.6	0.9
255	5/5/2021 11:57:28	0.6	0.7
256	5/5/2021 11:58:28	0.6	0.6
257	5/5/2021 11:59:28	0.7	0.7
258	5/5/2021 12:00:28	0.7	0.7
259	5/5/2021 12:01:28	0.7	0.6
260	5/5/2021 12:02:28	0.7	0.6
261	5/5/2021 12:03:28	0.7	0.5
262	5/5/2021 12:04:28	0.7	0.5
263	5/5/2021 12:05:28	0.7	0.6
264	5/5/2021 12:06:28	0.7	0.6
265	5/5/2021 12:07:28	0.7	0.6

266	5/5/2021 12:08:28	0.7	0.6
267	5/5/2021 12:09:28	0.7	0.6
268	5/5/2021 12:10:28	0.7	0.6
269	5/5/2021 12:11:28	0.7	0.5
270	5/5/2021 12:12:28	0.7	0.6
271	5/5/2021 12:13:28	0.7	0.5
272	5/5/2021 12:14:28	0.7	0.4
273	5/5/2021 12:15:28	0.7	0.4
274	5/5/2021 12:16:28	0.7	0.4
275	5/5/2021 12:17:28	0.7	0.3
276	5/5/2021 12:18:28	0.7	0.3
277	5/5/2021 12:19:28	0.7	0.3
278	5/5/2021 12:20:28	0.7	0.3
279	5/5/2021 12:21:28	0.7	0.2
280	5/5/2021 12:22:28	0.7	0.2
281	5/5/2021 12:23:28	0.7	0.3
282	5/5/2021 12:24:28	0.7	0.3
283	5/5/2021 12:25:28	0.7	0.3
284	5/5/2021 12:26:28	0.7	0.4
285	5/5/2021 12:27:28	0.7	0.4
286	5/5/2021 12:28:28	0.7	0.5
287	5/5/2021 12:29:28	0.7	0.5
288	5/5/2021 12:30:28	0.7	0.5
289	5/5/2021 12:31:28	0.7	0.5
290	5/5/2021 12:32:28	0.7	0.5
291	5/5/2021 12:33:28	0.7	0.4
292	5/5/2021 12:34:28	0.7	0.4
293	5/5/2021 12:35:28	0.7	0.4
294	5/5/2021 12:36:28	0.7	0.4
295	5/5/2021 12:37:28	0.7	0.4
296	5/5/2021 12:38:28	0.7	0.3
297	5/5/2021 12:39:28	0.7	0.3
298	5/5/2021 12:40:28	0.7	0.2
299	5/5/2021 12:41:28	0.7	0.1
300	5/5/2021 12:42:28	0.7	0.1
301	5/5/2021 12:43:28	0.7	0.0
302	5/5/2021 12:44:28	0.7	0.0
303	5/5/2021 12:45:28	0.7	0.0
304	5/5/2021 12:46:28	0.7	0.0
305	5/5/2021 12:47:28	0.7	0.0
306	5/5/2021 12:48:28	0.7	0.0
307	5/5/2021 12:49:28	0.7	0.0
308	5/5/2021 12:50:28	0.7	0.0
309	5/5/2021 12:51:28	0.7	0.0
310	5/5/2021 12:52:28	0.7	0.0
311	5/5/2021 12:53:28	0.7	0.0
312	5/5/2021 12:54:28	0.7	0.0
313	5/5/2021 12:55:28	0.7	0.0
314	5/5/2021 12:56:28	0.7	0.0
315	5/5/2021 12:57:28	0.7	0.0

316	5/5/2021 12:58:28	0.7	0.0
317	5/5/2021 12:59:28	0.7	0.0
318	5/5/2021 13:00:28	0.7	0.0
319	5/5/2021 13:01:28	0.7	0.0
320	5/5/2021 13:02:28	0.7	0.0
321	5/5/2021 13:03:28	0.7	0.0
322	5/5/2021 13:04:28	0.7	0.0
323	5/5/2021 13:05:28	0.7	0.0
324	5/5/2021 13:06:28	0.7	0.0
325	5/5/2021 13:07:28	0.7	0.0
326	5/5/2021 13:08:28	0.7	0.0
327	5/5/2021 13:09:28	0.7	0.0
328	5/5/2021 13:10:28	0.7	0.0
329	5/5/2021 13:11:28	0.7	0.0
330	5/5/2021 13:12:28	0.7	0.0
331	5/5/2021 13:13:28	0.7	0.0
332	5/5/2021 13:14:28	0.7	0.0
333	5/5/2021 13:15:28	0.7	0.0
334	5/5/2021 13:16:28	0.7	0.0
335	5/5/2021 13:17:28	0.7	0.0
336	5/5/2021 13:18:28	0.7	0.0
337	5/5/2021 13:19:28	0.7	0.0
338	5/5/2021 13:20:28	0.7	0.0
339	5/5/2021 13:21:28	0.7	0.0
340	5/5/2021 13:22:28	0.7	0.0
341	5/5/2021 13:23:28	0.7	0.0
342	5/5/2021 13:24:28	0.7	0.0
343	5/5/2021 13:25:28	0.7	0.0
344	5/5/2021 13:26:28	0.7	0.0
345	5/5/2021 13:27:28	0.7	0.0
346	5/5/2021 13:28:28	0.7	0.0
347	5/5/2021 13:29:28	0.7	0.0
348	5/5/2021 13:30:28	0.7	0.0
349	5/5/2021 13:31:28	0.7	0.0
350	5/5/2021 13:32:28	0.7	0.0
351	5/5/2021 13:33:28	0.7	0.0
352	5/5/2021 13:34:28	0.7	0.0
353	5/5/2021 13:35:28	0.7	0.0
354	5/5/2021 13:36:28	0.7	0.0
355	5/5/2021 13:37:28	0.7	0.0
356	5/5/2021 13:38:28	0.7	0.0
357	5/5/2021 13:39:28	0.7	0.0
358	5/5/2021 13:40:28	0.7	0.0
359	5/5/2021 13:41:28	0.7	0.0
360	5/5/2021 13:42:28	0.7	0.0
361	5/5/2021 13:43:28	0.7	0.0
362	5/5/2021 13:44:28	0.7	0.0
363	5/5/2021 13:45:28	0.7	0.0
364	5/5/2021 13:46:28	0.7	0.0
365	5/5/2021 13:47:28	0.7	0.0

366	5/5/2021 13:48:28	0.7	0.0
367	5/5/2021 13:49:28	0.7	0.0
368	5/5/2021 13:50:28	0.7	0.0
369	5/5/2021 13:51:28	0.7	0.0
370	5/5/2021 13:52:28	0.7	0.0
371	5/5/2021 13:53:28	0.7	0.0
372	5/5/2021 13:54:28	0.7	0.0
373	5/5/2021 13:55:28	0.7	0.0
374	5/5/2021 13:56:28	0.7	0.0
375	5/5/2021 13:57:28	0.7	0.0
376	5/5/2021 13:58:28	0.7	0.0
377	5/5/2021 13:59:28	0.7	0.0
378	5/5/2021 14:00:28	0.7	0.0
379	5/5/2021 14:01:28	0.7	0.0
380	5/5/2021 14:02:28	0.7	0.0
381	5/5/2021 14:03:28	0.7	0.0
382	5/5/2021 14:04:28	0.7	0.0
383	5/5/2021 14:05:28	0.7	0.0
384	5/5/2021 14:06:28	0.7	0.0
385	5/5/2021 14:07:28	0.7	0.0
386	5/5/2021 14:08:28	0.7	0.0
387	5/5/2021 14:09:28	0.7	0.0
388	5/5/2021 14:10:28	0.7	0.0
389	5/5/2021 14:11:28	0.7	0.0
390	5/5/2021 14:12:28	0.7	0.0
391	5/5/2021 14:13:28	0.7	0.0
392	5/5/2021 14:14:28	0.7	0.0
393	5/5/2021 14:15:28	0.7	0.0
394	5/5/2021 14:16:28	0.7	0.0
395	5/5/2021 14:17:28	0.7	0.0
396	5/5/2021 14:18:28	0.7	0.0
397	5/5/2021 14:19:28	0.7	0.0
398	5/5/2021 14:20:28	0.7	0.0
399	5/5/2021 14:21:28	0.7	0.0
400	5/5/2021 14:22:28	0.7	0.0
401	5/5/2021 14:23:28	0.7	0.0
402	5/5/2021 14:24:28	0.7	0.0
403	5/5/2021 14:25:28	0.7	0.0
404	5/5/2021 14:26:28	0.7	0.0
405	5/5/2021 14:27:28	0.7	0.0
406	5/5/2021 14:28:28	0.7	0.0
407	5/5/2021 14:29:28	0.7	0.0
408	5/5/2021 14:30:28	0.7	0.0
409	5/5/2021 14:31:28	0.7	0.0
410	5/5/2021 14:32:28	0.7	0.0
411	5/5/2021 14:33:28	0.7	0.0
412	5/5/2021 14:34:28	0.7	0.0
413	5/5/2021 14:35:28	0.7	0.0
414	5/5/2021 14:36:28	0.7	0.0
415	5/5/2021 14:37:28	0.7	0.0

416	5/5/2021 14:38:28	0.7	0.0
417	5/5/2021 14:39:28	0.7	0.0
418	5/5/2021 14:40:28	0.7	0.0
419	5/5/2021 14:41:28	0.7	0.0
420	5/5/2021 14:42:28	0.7	0.0
421	5/5/2021 14:43:28	0.7	0.0
422	5/5/2021 14:44:28	0.7	0.0
423	5/5/2021 14:45:28	0.7	0.0
424	5/5/2021 14:46:28	0.7	0.0
425	5/5/2021 14:47:28	0.7	0.0
426	5/5/2021 14:48:28	0.7	0.0
427	5/5/2021 14:49:28	0.7	0.0
428	5/5/2021 14:50:28	0.7	0.0
429	5/5/2021 14:51:28	0.7	0.0
430	5/5/2021 14:52:28	0.7	0.0
431	5/5/2021 14:53:28	0.7	0.0
432	5/5/2021 14:54:28	0.7	0.0
433	5/5/2021 14:55:28	0.7	0.0
434	5/5/2021 14:56:28	0.7	0.0
435	5/5/2021 14:57:28	0.7	0.0

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21/05/06 08:09
****
Summary

Unit Name MiniRAE 3000 +(PGM-7320)
Unit SN 592-928270
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Pause in Communication Mode

Site ID RAE00000
User ID USER0000

Begin 5/6/2021 08:09:10
End 5/6/2021 15:04:35
Sample Period(s) 60
Number of Records 415

Sensor PID(ppm)
Sensor SN S023030018W6
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 5/6/2021 08:09
Peak 2.6
Min 0.0
Average 0.1

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	5/6/2021 08:10:10	0.0	0.0	0.0	0.0	
002	5/6/2021 08:11:10	0.0	0.0	0.0	0.0	
003	5/6/2021 08:12:10	0.0	0.0	0.0	0.0	
004	5/6/2021 08:13:10	0.0	0.0	0.0	0.0	
005	5/6/2021 08:14:10	0.0	0.0	0.0	0.0	
006	5/6/2021 08:15:10	0.0	0.0	0.0	0.0	
007	5/6/2021 08:16:10	0.0	0.0	0.0	0.0	
008	5/6/2021 08:17:10	0.0	0.0	0.0	0.0	

009	5/6/2021 08:18:10	0.0	0.0	0.0	0.0
010	5/6/2021 08:19:10	0.0	0.2	1.4	1.2
011	5/6/2021 08:20:10	0.3	0.7	1.2	0.3
012	5/6/2021 08:21:10	0.0	0.7	2.1	1.1
013	5/6/2021 08:22:10	0.0	1.0	2.4	0.3
014	5/6/2021 08:23:10	0.0	0.5	2.2	0.0
015	5/6/2021 08:24:10	0.0	0.0	0.0	0.0
016	5/6/2021 08:25:10	0.0	0.1	0.8	0.0
017	5/6/2021 08:26:10	0.0	0.5	1.3	0.6
018	5/6/2021 08:27:10	0.0	0.4	1.3	0.0
019	5/6/2021 08:28:10	0.0	0.7	1.2	0.6
020	5/6/2021 08:29:10	0.0	0.0	0.4	0.0
021	5/6/2021 08:30:10	0.0	0.1	0.6	0.0
022	5/6/2021 08:31:10	0.0	0.0	0.1	0.0
023	5/6/2021 08:32:10	0.0	0.0	0.0	0.0
024	5/6/2021 08:33:10	0.0	0.0	0.0	0.0
025	5/6/2021 08:34:10	0.0	0.0	0.0	0.0
026	5/6/2021 08:35:10	0.0	0.0	0.0	0.0
027	5/6/2021 08:36:10	0.0	0.4	1.4	0.0
028	5/6/2021 08:37:10	0.0	0.0	0.0	0.0
029	5/6/2021 08:38:10	0.0	0.0	0.0	0.0
030	5/6/2021 08:39:10	0.0	0.0	0.0	0.0
031	5/6/2021 08:40:10	0.0	0.0	0.1	0.1
032	5/6/2021 08:41:10	0.0	0.6	1.7	0.7
033	5/6/2021 08:42:10	0.0	0.0	0.5	0.0
034	5/6/2021 08:43:10	0.0	0.0	0.0	0.0
035	5/6/2021 08:44:10	0.0	0.0	0.0	0.0
036	5/6/2021 08:45:10	0.0	0.0	0.0	0.0
037	5/6/2021 08:46:10	0.0	0.4	1.3	0.6
038	5/6/2021 08:47:10	0.0	1.0	1.5	1.4
039	5/6/2021 08:48:10	0.5	1.0	1.4	0.7
040	5/6/2021 08:49:10	0.0	0.6	1.1	0.2
041	5/6/2021 08:50:10	0.0	0.4	1.0	0.0
042	5/6/2021 08:51:10	0.0	0.3	0.6	0.4
043	5/6/2021 08:52:10	0.0	0.3	0.8	0.8
044	5/6/2021 08:53:10	0.0	0.5	0.9	0.8
045	5/6/2021 08:54:10	0.0	0.1	0.7	0.3
046	5/6/2021 08:55:10	0.0	0.1	0.6	0.0
047	5/6/2021 08:56:10	0.0	0.3	0.5	0.4
048	5/6/2021 08:57:10	0.0	0.4	0.6	0.1
049	5/6/2021 08:58:10	0.0	0.3	0.5	0.0
050	5/6/2021 08:59:10	0.0	0.2	0.5	0.3
051	5/6/2021 09:00:10	0.0	0.4	0.8	0.8
052	5/6/2021 09:01:10	0.6	0.8	0.9	0.9
053	5/6/2021 09:02:10	0.0	0.4	0.9	0.4
054	5/6/2021 09:03:10	0.1	0.4	0.7	0.7
055	5/6/2021 09:04:10	0.4	0.7	1.0	0.7
056	5/6/2021 09:05:10	0.1	0.5	1.0	0.3
057	5/6/2021 09:06:10	0.2	0.6	0.9	0.8
058	5/6/2021 09:07:10	0.2	0.7	1.0	0.5

059	5/6/2021 09:08:10	0.1	0.4	0.7	0.4
060	5/6/2021 09:09:10	0.0	0.3	0.9	0.3
061	5/6/2021 09:10:10	0.2	0.4	0.7	0.7
062	5/6/2021 09:11:10	0.1	0.5	0.8	0.6
063	5/6/2021 09:12:10	0.0	0.2	0.6	0.5
064	5/6/2021 09:13:10	0.0	0.4	0.6	0.0
065	5/6/2021 09:14:10	0.0	0.4	0.6	0.5
066	5/6/2021 09:15:10	0.0	0.1	0.5	0.0
067	5/6/2021 09:16:10	0.0	0.3	0.5	0.5
068	5/6/2021 09:17:10	0.2	0.4	0.6	0.6
069	5/6/2021 09:18:10	0.0	0.4	0.6	0.5
070	5/6/2021 09:19:10	0.0	0.3	0.5	0.0
071	5/6/2021 09:20:10	0.1	0.3	0.5	0.1
072	5/6/2021 09:21:10	0.0	0.2	0.4	0.2
073	5/6/2021 09:22:10	0.0	0.1	0.2	0.0
074	5/6/2021 09:23:10	0.0	0.2	0.4	0.3
075	5/6/2021 09:24:10	0.0	0.2	0.4	0.3
076	5/6/2021 09:25:10	0.0	0.1	0.3	0.3
077	5/6/2021 09:26:10	0.0	0.2	0.3	0.3
078	5/6/2021 09:27:10	0.0	0.2	0.3	0.1
079	5/6/2021 09:28:10	0.0	0.1	0.2	0.0
080	5/6/2021 09:29:10	0.0	0.1	0.2	0.1
081	5/6/2021 09:30:10	0.0	0.1	0.2	0.1
082	5/6/2021 09:31:10	0.0	0.1	0.1	0.1
083	5/6/2021 09:32:10	0.0	0.1	0.1	0.0
084	5/6/2021 09:33:10	0.0	0.1	0.1	0.1
085	5/6/2021 09:34:10	0.1	0.1	0.1	0.1
086	5/6/2021 09:35:10	0.0	0.1	0.1	0.0
087	5/6/2021 09:36:10	0.0	0.0	0.1	0.1
088	5/6/2021 09:37:10	0.0	0.1	0.1	0.1
089	5/6/2021 09:38:10	0.0	0.1	0.1	0.1
090	5/6/2021 09:39:10	0.2	0.3	0.4	0.4
091	5/6/2021 09:40:10	0.3	0.3	0.3	0.3
092	5/6/2021 09:41:10	0.3	0.3	0.3	0.3
093	5/6/2021 09:42:10	0.3	0.3	0.3	0.3
094	5/6/2021 09:43:10	0.3	0.3	0.4	0.3
095	5/6/2021 09:44:10	0.2	0.3	0.3	0.2
096	5/6/2021 09:45:10	0.1	0.2	0.5	0.2
097	5/6/2021 09:46:10	0.0	0.0	0.2	0.1
098	5/6/2021 09:47:10	0.0	0.2	0.3	0.3
099	5/6/2021 09:48:10	0.0	0.2	0.6	0.6
100	5/6/2021 09:49:10	0.4	0.5	0.6	0.4
101	5/6/2021 09:50:10	0.1	0.4	0.6	0.5
102	5/6/2021 09:51:10	0.0	0.3	0.5	0.0
103	5/6/2021 09:52:10	0.0	0.1	0.4	0.1
104	5/6/2021 09:53:10	0.0	0.0	0.3	0.0
105	5/6/2021 09:54:10	0.0	0.0	0.0	0.0
106	5/6/2021 09:55:10	0.0	0.0	0.1	0.1
107	5/6/2021 09:56:10	0.0	0.0	0.2	0.0
108	5/6/2021 09:57:10	0.0	0.0	0.0	0.0

109	5/6/2021 09:58:10	0.0	0.0	0.0	0.0
110	5/6/2021 09:59:10	0.0	0.0	0.0	0.0
111	5/6/2021 10:00:10	0.0	0.0	0.0	0.0
112	5/6/2021 10:01:10	0.0	0.0	0.0	0.0
113	5/6/2021 10:02:10	0.0	0.0	0.0	0.0
114	5/6/2021 10:03:10	0.0	0.0	0.0	0.0
115	5/6/2021 10:04:10	0.0	0.0	0.0	0.0
116	5/6/2021 10:05:10	0.0	0.0	0.0	0.0
117	5/6/2021 10:06:10	0.0	0.0	0.0	0.0
118	5/6/2021 10:07:10	0.0	0.0	0.0	0.0
119	5/6/2021 10:08:10	0.0	0.0	0.0	0.0
120	5/6/2021 10:09:10	0.0	0.0	0.2	0.0
121	5/6/2021 10:10:10	0.0	0.0	0.0	0.0
122	5/6/2021 10:11:10	0.0	0.0	0.1	0.0
123	5/6/2021 10:12:10	0.0	0.0	0.0	0.0
124	5/6/2021 10:13:10	0.0	0.0	0.0	0.0
125	5/6/2021 10:14:10	0.0	0.0	0.0	0.0
126	5/6/2021 10:15:10	0.0	0.0	0.0	0.0
127	5/6/2021 10:16:10	0.0	0.1	0.8	0.0
128	5/6/2021 10:17:10	0.0	0.0	0.0	0.0
129	5/6/2021 10:18:10	0.0	0.0	0.0	0.0
130	5/6/2021 10:19:10	0.0	0.0	0.0	0.0
131	5/6/2021 10:20:10	0.0	0.0	0.0	0.0
132	5/6/2021 10:21:10	0.0	0.0	0.0	0.0
133	5/6/2021 10:22:10	0.0	0.1	0.7	0.0
134	5/6/2021 10:23:10	0.0	0.1	0.4	0.0
135	5/6/2021 10:24:10	0.0	0.0	0.1	0.0
136	5/6/2021 10:25:10	0.0	0.0	0.0	0.0
137	5/6/2021 10:26:10	0.0	0.0	0.0	0.0
138	5/6/2021 10:27:10	0.0	0.0	0.1	0.1
139	5/6/2021 10:28:10	0.0	0.0	0.1	0.0
140	5/6/2021 10:29:10	0.0	0.0	0.1	0.0
141	5/6/2021 10:30:10	0.0	0.3	0.6	0.6
142	5/6/2021 10:31:10	0.6	0.7	0.8	0.8
143	5/6/2021 10:32:10	0.8	0.9	1.0	0.9
144	5/6/2021 10:33:10	0.0	0.0	0.8	0.0
145	5/6/2021 10:34:10	0.0	0.0	0.1	0.0
146	5/6/2021 10:35:10	0.0	0.8	1.9	1.9
147	5/6/2021 10:36:10	1.7	2.4	3.0	2.6
148	5/6/2021 10:37:10	1.2	2.2	2.6	1.2
149	5/6/2021 10:38:10	0.4	1.1	1.5	0.5
150	5/6/2021 10:39:10	0.0	0.1	0.6	0.0
151	5/6/2021 10:40:10	0.0	0.0	0.0	0.0
152	5/6/2021 10:41:10	0.0	0.0	0.0	0.0
153	5/6/2021 10:42:10	0.0	0.0	0.1	0.1
154	5/6/2021 10:43:10	0.0	0.1	0.2	0.2
155	5/6/2021 10:44:10	0.0	0.1	0.2	0.0
156	5/6/2021 10:45:10	0.0	0.1	0.4	0.2
157	5/6/2021 10:46:10	0.0	0.1	0.5	0.0
158	5/6/2021 10:47:10	0.0	0.5	2.4	0.1

159	5/6/2021 10:48:10	0.0	0.0	0.3	0.0
160	5/6/2021 10:49:10	0.0	0.0	0.0	0.0
161	5/6/2021 10:50:10	0.0	0.0	0.0	0.0
162	5/6/2021 10:51:10	0.0	0.0	0.0	0.0
163	5/6/2021 10:52:10	0.0	0.0	0.0	0.0
164	5/6/2021 10:53:10	0.0	0.0	0.0	0.0
165	5/6/2021 10:54:10	0.0	0.0	0.0	0.0
166	5/6/2021 10:55:10	0.0	0.0	0.0	0.0
167	5/6/2021 10:56:10	0.0	0.0	0.0	0.0
168	5/6/2021 10:57:10	0.0	0.0	0.0	0.0
169	5/6/2021 10:58:10	0.0	0.0	0.0	0.0
170	5/6/2021 10:59:10	0.0	0.0	0.0	0.0
171	5/6/2021 11:00:10	0.0	0.0	0.0	0.0
172	5/6/2021 11:01:10	0.0	0.0	0.0	0.0
173	5/6/2021 11:02:10	0.0	0.0	0.0	0.0
174	5/6/2021 11:03:10	0.0	0.0	0.0	0.0
175	5/6/2021 11:04:10	0.0	0.0	0.0	0.0
176	5/6/2021 11:05:10	0.0	0.0	0.0	0.0
177	5/6/2021 11:06:10	0.0	0.0	0.0	0.0
178	5/6/2021 11:07:10	0.0	0.0	0.0	0.0
179	5/6/2021 11:08:10	0.0	0.0	0.0	0.0
180	5/6/2021 11:09:10	0.0	0.0	0.0	0.0
181	5/6/2021 11:10:10	0.0	0.0	0.0	0.0
182	5/6/2021 11:11:10	0.0	0.0	0.0	0.0
183	5/6/2021 11:12:10	0.0	0.0	0.0	0.0
184	5/6/2021 11:13:10	0.0	0.0	0.0	0.0
185	5/6/2021 11:14:10	0.0	0.0	0.0	0.0
186	5/6/2021 11:15:10	0.0	0.0	0.0	0.0
187	5/6/2021 11:16:10	0.0	0.0	0.0	0.0
188	5/6/2021 11:17:10	0.0	0.0	0.0	0.0
189	5/6/2021 11:18:10	0.0	0.0	0.0	0.0
190	5/6/2021 11:19:10	0.0	0.0	0.0	0.0
191	5/6/2021 11:20:10	0.0	0.0	0.0	0.0
192	5/6/2021 11:21:10	0.0	0.0	0.0	0.0
193	5/6/2021 11:22:10	0.0	0.0	0.0	0.0
194	5/6/2021 11:23:10	0.0	0.0	0.0	0.0
195	5/6/2021 11:24:10	0.0	0.0	0.0	0.0
196	5/6/2021 11:25:10	0.0	0.0	0.0	0.0
197	5/6/2021 11:26:10	0.0	0.0	0.0	0.0
198	5/6/2021 11:27:10	0.0	0.0	0.0	0.0
199	5/6/2021 11:28:10	0.0	0.0	0.0	0.0
200	5/6/2021 11:29:10	0.0	0.0	0.0	0.0
201	5/6/2021 11:30:10	0.0	0.0	0.0	0.0
202	5/6/2021 11:31:10	0.0	0.0	0.0	0.0
203	5/6/2021 11:32:10	0.0	0.0	0.0	0.0
204	5/6/2021 11:33:10	0.0	0.0	0.0	0.0
205	5/6/2021 11:34:10	0.0	0.0	0.0	0.0
206	5/6/2021 11:35:10	0.0	0.0	0.0	0.0
207	5/6/2021 11:36:10	0.0	0.0	0.0	0.0
208	5/6/2021 11:37:10	0.0	0.0	0.0	0.0

209	5/6/2021 11:38:10	0.0	0.0	0.0	0.0
210	5/6/2021 11:39:10	0.0	0.0	0.0	0.0
211	5/6/2021 11:40:10	0.0	0.0	0.0	0.0
212	5/6/2021 11:41:10	0.0	0.0	0.0	0.0
213	5/6/2021 11:42:10	0.0	0.0	0.0	0.0
214	5/6/2021 11:43:10	0.0	0.0	0.0	0.0
215	5/6/2021 11:44:10	0.0	0.0	0.0	0.0
216	5/6/2021 11:45:10	0.0	0.0	0.0	0.0
217	5/6/2021 11:46:10	0.0	0.0	0.0	0.0
218	5/6/2021 11:47:10	0.0	0.0	0.0	0.0
219	5/6/2021 11:48:10	0.0	0.0	0.0	0.0
220	5/6/2021 11:49:10	0.0	0.0	0.0	0.0
221	5/6/2021 11:50:10	0.0	0.0	0.0	0.0
222	5/6/2021 11:51:10	0.0	0.0	0.0	0.0
223	5/6/2021 11:52:10	0.0	0.0	0.0	0.0
224	5/6/2021 11:53:10	0.0	0.0	0.0	0.0
225	5/6/2021 11:54:10	0.0	0.0	0.0	0.0
226	5/6/2021 11:55:10	0.0	0.0	0.0	0.0
227	5/6/2021 11:56:10	0.0	0.0	0.0	0.0
228	5/6/2021 11:57:10	0.0	0.0	0.0	0.0
229	5/6/2021 11:58:10	0.0	0.0	0.0	0.0
230	5/6/2021 11:59:10	0.0	0.0	0.0	0.0
231	5/6/2021 12:00:10	0.0	0.0	0.0	0.0
232	5/6/2021 12:01:10	0.0	0.0	0.0	0.0
233	5/6/2021 12:02:10	0.0	0.0	0.0	0.0
234	5/6/2021 12:03:10	0.0	0.0	0.0	0.0
235	5/6/2021 12:04:10	0.0	0.0	0.0	0.0
236	5/6/2021 12:05:10	0.0	0.0	0.0	0.0
237	5/6/2021 12:06:10	0.0	0.0	0.0	0.0
238	5/6/2021 12:07:10	0.0	0.0	0.0	0.0
239	5/6/2021 12:08:10	0.0	0.0	0.0	0.0
240	5/6/2021 12:09:10	0.0	0.0	0.0	0.0
241	5/6/2021 12:10:10	0.0	0.0	0.0	0.0
242	5/6/2021 12:11:10	0.0	0.0	0.0	0.0
243	5/6/2021 12:12:10	0.0	0.0	0.0	0.0
244	5/6/2021 12:13:10	0.0	0.0	0.0	0.0
245	5/6/2021 12:14:10	0.0	0.0	0.0	0.0
246	5/6/2021 12:15:10	0.0	0.0	0.0	0.0
247	5/6/2021 12:16:10	0.0	0.0	0.0	0.0
248	5/6/2021 12:17:10	0.0	0.0	0.0	0.0
249	5/6/2021 12:18:10	0.0	0.0	0.0	0.0
250	5/6/2021 12:19:10	0.0	0.0	0.0	0.0
251	5/6/2021 12:20:10	0.0	0.0	0.0	0.0
252	5/6/2021 12:21:10	0.0	0.0	0.0	0.0
253	5/6/2021 12:22:10	0.0	0.0	0.0	0.0
254	5/6/2021 12:23:10	0.0	0.0	0.0	0.0
255	5/6/2021 12:24:10	0.0	0.0	0.0	0.0
256	5/6/2021 12:25:10	0.0	0.0	0.0	0.0
257	5/6/2021 12:26:10	0.0	0.0	0.0	0.0
258	5/6/2021 12:27:10	0.0	0.0	0.0	0.0

259	5/6/2021 12:28:10	0.0	0.0	0.0	0.0
260	5/6/2021 12:29:10	0.0	0.0	0.0	0.0
261	5/6/2021 12:30:10	0.0	0.0	0.0	0.0
262	5/6/2021 12:31:10	0.0	0.0	0.0	0.0
263	5/6/2021 12:32:10	0.0	0.0	0.0	0.0
264	5/6/2021 12:33:10	0.0	0.0	0.0	0.0
265	5/6/2021 12:34:10	0.0	0.0	0.0	0.0
266	5/6/2021 12:35:10	0.0	0.0	0.0	0.0
267	5/6/2021 12:36:10	0.0	0.0	0.0	0.0
268	5/6/2021 12:37:10	0.0	0.0	0.0	0.0
269	5/6/2021 12:38:10	0.0	0.0	0.0	0.0
270	5/6/2021 12:39:10	0.0	0.0	0.0	0.0
271	5/6/2021 12:40:10	0.0	0.0	0.0	0.0
272	5/6/2021 12:41:10	0.0	0.0	0.0	0.0
273	5/6/2021 12:42:10	0.0	0.0	0.0	0.0
274	5/6/2021 12:43:10	0.0	0.0	0.0	0.0
275	5/6/2021 12:44:10	0.0	0.0	0.0	0.0
276	5/6/2021 12:45:10	0.0	0.0	0.0	0.0
277	5/6/2021 12:46:10	0.0	0.0	0.0	0.0
278	5/6/2021 12:47:10	0.0	0.0	0.0	0.0
279	5/6/2021 12:48:10	0.0	0.0	0.0	0.0
280	5/6/2021 12:49:10	0.0	0.0	0.0	0.0
281	5/6/2021 12:50:10	0.0	0.0	0.0	0.0
282	5/6/2021 12:51:10	0.0	0.0	0.0	0.0
283	5/6/2021 12:52:10	0.0	0.0	0.0	0.0
284	5/6/2021 12:53:10	0.0	0.0	0.0	0.0
285	5/6/2021 12:54:10	0.0	0.0	0.0	0.0
286	5/6/2021 12:55:10	0.0	0.0	0.0	0.0
287	5/6/2021 12:56:10	0.0	0.0	0.0	0.0
288	5/6/2021 12:57:10	0.0	0.0	0.0	0.0
289	5/6/2021 12:58:10	0.0	0.0	0.0	0.0
290	5/6/2021 12:59:10	0.0	0.0	0.0	0.0
291	5/6/2021 13:00:10	0.0	0.0	0.0	0.0
292	5/6/2021 13:01:10	0.0	0.0	0.0	0.0
293	5/6/2021 13:02:10	0.0	0.0	0.0	0.0
294	5/6/2021 13:03:10	0.0	0.0	0.0	0.0
295	5/6/2021 13:04:10	0.0	0.0	0.0	0.0
296	5/6/2021 13:05:10	0.0	0.0	0.0	0.0
297	5/6/2021 13:06:10	0.0	0.0	0.0	0.0
298	5/6/2021 13:07:10	0.0	0.0	0.0	0.0
299	5/6/2021 13:08:10	0.0	0.0	0.0	0.0
300	5/6/2021 13:09:10	0.0	0.0	0.0	0.0
301	5/6/2021 13:10:10	0.0	0.0	0.0	0.0
302	5/6/2021 13:11:10	0.0	0.0	0.0	0.0
303	5/6/2021 13:12:10	0.0	0.0	0.0	0.0
304	5/6/2021 13:13:10	0.0	0.0	0.0	0.0
305	5/6/2021 13:14:10	0.0	0.0	0.0	0.0
306	5/6/2021 13:15:10	0.0	0.0	0.0	0.0
307	5/6/2021 13:16:10	0.0	0.0	0.0	0.0
308	5/6/2021 13:17:10	0.0	0.0	0.0	0.0

309	5/6/2021 13:18:10	0.0	0.0	0.0	0.0
310	5/6/2021 13:19:10	0.0	0.0	0.0	0.0
311	5/6/2021 13:20:10	0.0	0.0	0.0	0.0
312	5/6/2021 13:21:10	0.0	0.0	0.0	0.0
313	5/6/2021 13:22:10	0.0	0.0	0.0	0.0
314	5/6/2021 13:23:10	0.0	0.0	0.0	0.0
315	5/6/2021 13:24:10	0.0	0.0	0.0	0.0
316	5/6/2021 13:25:10	0.0	0.0	0.0	0.0
317	5/6/2021 13:26:10	0.0	0.0	0.0	0.0
318	5/6/2021 13:27:10	0.0	0.0	0.0	0.0
319	5/6/2021 13:28:10	0.0	0.0	0.0	0.0
320	5/6/2021 13:29:10	0.0	0.0	0.0	0.0
321	5/6/2021 13:30:10	0.0	0.0	0.0	0.0
322	5/6/2021 13:31:10	0.0	0.0	0.0	0.0
323	5/6/2021 13:32:10	0.0	0.0	0.0	0.0
324	5/6/2021 13:33:10	0.0	0.0	0.0	0.0
325	5/6/2021 13:34:10	0.0	0.0	0.0	0.0
326	5/6/2021 13:35:10	0.0	0.0	0.0	0.0
327	5/6/2021 13:36:10	0.0	0.0	0.0	0.0
328	5/6/2021 13:37:10	0.0	0.0	0.0	0.0
329	5/6/2021 13:38:10	0.0	0.0	0.0	0.0
330	5/6/2021 13:39:10	0.0	0.0	0.0	0.0
331	5/6/2021 13:40:10	0.0	0.0	0.0	0.0
332	5/6/2021 13:41:10	0.0	0.0	0.0	0.0
333	5/6/2021 13:42:10	0.0	0.0	0.0	0.0
334	5/6/2021 13:43:10	0.0	0.0	0.0	0.0
335	5/6/2021 13:44:10	0.0	0.0	0.0	0.0
336	5/6/2021 13:45:10	0.0	0.0	0.0	0.0
337	5/6/2021 13:46:10	0.0	0.0	0.0	0.0
338	5/6/2021 13:47:10	0.0	0.0	0.0	0.0
339	5/6/2021 13:48:10	0.0	0.0	0.0	0.0
340	5/6/2021 13:49:10	0.0	0.0	0.0	0.0
341	5/6/2021 13:50:10	0.0	0.0	0.0	0.0
342	5/6/2021 13:51:10	0.0	0.0	0.0	0.0
343	5/6/2021 13:52:10	0.0	0.0	0.0	0.0
344	5/6/2021 13:53:10	0.0	0.0	0.0	0.0
345	5/6/2021 13:54:10	0.0	0.0	0.0	0.0
346	5/6/2021 13:55:10	0.0	0.0	0.0	0.0
347	5/6/2021 13:56:10	0.0	0.0	0.0	0.0
348	5/6/2021 13:57:10	0.0	0.0	0.0	0.0
349	5/6/2021 13:58:10	0.0	0.0	0.0	0.0
350	5/6/2021 13:59:10	0.0	0.0	0.0	0.0
351	5/6/2021 14:00:10	0.0	0.0	0.0	0.0
352	5/6/2021 14:01:10	0.0	0.0	0.0	0.0
353	5/6/2021 14:02:10	0.0	0.0	0.0	0.0
354	5/6/2021 14:03:10	0.0	0.0	0.0	0.0
355	5/6/2021 14:04:10	0.0	0.0	0.0	0.0
356	5/6/2021 14:05:10	0.0	0.0	0.0	0.0
357	5/6/2021 14:06:10	0.0	0.0	0.0	0.0
358	5/6/2021 14:07:10	0.0	0.0	0.0	0.0

359	5/6/2021 14:08:10	0.0	0.0	0.0	0.0
360	5/6/2021 14:09:10	0.0	0.0	0.0	0.0
361	5/6/2021 14:10:10	0.0	0.0	0.0	0.0
362	5/6/2021 14:11:10	0.0	0.0	0.0	0.0
363	5/6/2021 14:12:10	0.0	0.0	0.0	0.0
364	5/6/2021 14:13:10	0.0	0.0	0.0	0.0
365	5/6/2021 14:14:10	0.0	0.0	0.0	0.0
366	5/6/2021 14:15:10	0.0	0.0	0.0	0.0
367	5/6/2021 14:16:10	0.0	0.0	0.0	0.0
368	5/6/2021 14:17:10	0.0	0.0	0.0	0.0
369	5/6/2021 14:18:10	0.0	0.0	0.0	0.0
370	5/6/2021 14:19:10	0.0	0.0	0.0	0.0
371	5/6/2021 14:20:10	0.0	0.0	0.0	0.0
372	5/6/2021 14:21:10	0.0	0.0	0.0	0.0
373	5/6/2021 14:22:10	0.0	0.0	0.0	0.0
374	5/6/2021 14:23:10	0.0	0.0	0.0	0.0
375	5/6/2021 14:24:10	0.0	0.0	0.0	0.0
376	5/6/2021 14:25:10	0.0	0.0	0.0	0.0
377	5/6/2021 14:26:10	0.0	0.0	0.0	0.0
378	5/6/2021 14:27:10	0.0	0.0	0.0	0.0
379	5/6/2021 14:28:10	0.0	0.0	0.0	0.0
380	5/6/2021 14:29:10	0.0	0.0	0.0	0.0
381	5/6/2021 14:30:10	0.0	0.0	0.0	0.0
382	5/6/2021 14:31:10	0.0	0.0	0.0	0.0
383	5/6/2021 14:32:10	0.0	0.0	0.0	0.0
384	5/6/2021 14:33:10	0.0	0.0	0.0	0.0
385	5/6/2021 14:34:10	0.0	0.0	0.0	0.0
386	5/6/2021 14:35:10	0.0	0.0	0.0	0.0
387	5/6/2021 14:36:10	0.0	0.0	0.0	0.0
388	5/6/2021 14:37:10	0.0	0.0	0.0	0.0
389	5/6/2021 14:38:10	0.0	0.0	0.0	0.0
390	5/6/2021 14:39:10	0.0	0.0	0.0	0.0
391	5/6/2021 14:40:10	0.0	0.0	0.0	0.0
392	5/6/2021 14:41:10	0.0	0.0	0.0	0.0
393	5/6/2021 14:42:10	0.0	0.0	0.0	0.0
394	5/6/2021 14:43:10	0.0	0.0	0.0	0.0
395	5/6/2021 14:44:10	0.0	0.0	0.0	0.0
396	5/6/2021 14:45:10	0.0	0.0	0.0	0.0
397	5/6/2021 14:46:10	0.0	0.0	0.0	0.0
398	5/6/2021 14:47:10	0.0	0.0	0.0	0.0
399	5/6/2021 14:48:10	0.0	0.0	0.0	0.0
400	5/6/2021 14:49:10	0.0	0.0	0.0	0.0
401	5/6/2021 14:50:10	0.0	0.0	0.0	0.0
402	5/6/2021 14:51:10	0.0	0.0	0.0	0.0
403	5/6/2021 14:52:10	0.0	0.0	0.0	0.0
404	5/6/2021 14:53:10	0.0	0.0	0.0	0.0
405	5/6/2021 14:54:10	0.0	0.0	0.0	0.0
406	5/6/2021 14:55:10	0.0	0.0	0.0	0.0
407	5/6/2021 14:56:10	0.0	0.0	0.0	0.0
408	5/6/2021 14:57:10	0.0	0.0	0.0	0.0

409	5/6/2021 14:58:10	0.0	0.0	0.0	0.0
410	5/6/2021 14:59:10	0.0	0.0	0.0	0.0
411	5/6/2021 15:00:10	0.0	0.0	0.0	0.0
412	5/6/2021 15:01:10	0.0	0.0	0.0	0.0
413	5/6/2021 15:02:10	0.0	0.0	0.0	0.0
414	5/6/2021 15:03:10	0.0	0.0	0.0	0.0
415	5/6/2021 15:04:10	0.0	0.0	0.0	0.0
Peak		1.7	2.4	3.0	2.6
Min		0.0	0.0	0.0	0.0
Average		0.0	0.1	0.2	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	5/6/2021 08:10:10	0.0	---
002	5/6/2021 08:11:10	0.0	---
003	5/6/2021 08:12:10	0.0	---
004	5/6/2021 08:13:10	0.0	---
005	5/6/2021 08:14:10	0.0	---
006	5/6/2021 08:15:10	0.0	---
007	5/6/2021 08:16:10	0.0	---
008	5/6/2021 08:17:10	0.0	---
009	5/6/2021 08:18:10	0.0	---
010	5/6/2021 08:19:10	0.0	---
011	5/6/2021 08:20:10	0.0	---
012	5/6/2021 08:21:10	0.0	---
013	5/6/2021 08:22:10	0.0	---
014	5/6/2021 08:23:10	0.0	---
015	5/6/2021 08:24:10	0.0	0.2
016	5/6/2021 08:25:10	0.0	0.2
017	5/6/2021 08:26:10	0.0	0.2
018	5/6/2021 08:27:10	0.0	0.2
019	5/6/2021 08:28:10	0.0	0.3
020	5/6/2021 08:29:10	0.0	0.3
021	5/6/2021 08:30:10	0.0	0.3
022	5/6/2021 08:31:10	0.0	0.3
023	5/6/2021 08:32:10	0.0	0.3
024	5/6/2021 08:33:10	0.0	0.3
025	5/6/2021 08:34:10	0.0	0.2
026	5/6/2021 08:35:10	0.0	0.2
027	5/6/2021 08:36:10	0.0	0.1
028	5/6/2021 08:37:10	0.0	0.1
029	5/6/2021 08:38:10	0.0	0.1
030	5/6/2021 08:39:10	0.0	0.1
031	5/6/2021 08:40:10	0.0	0.1
032	5/6/2021 08:41:10	0.0	0.1
033	5/6/2021 08:42:10	0.0	0.1
034	5/6/2021 08:43:10	0.0	0.1
035	5/6/2021 08:44:10	0.0	0.1

036	5/6/2021 08:45:10	0.0	0.1
037	5/6/2021 08:46:10	0.0	0.1
038	5/6/2021 08:47:10	0.0	0.2
039	5/6/2021 08:48:10	0.0	0.2
040	5/6/2021 08:49:10	0.0	0.2
041	5/6/2021 08:50:10	0.0	0.2
042	5/6/2021 08:51:10	0.0	0.3
043	5/6/2021 08:52:10	0.0	0.3
044	5/6/2021 08:53:10	0.0	0.4
045	5/6/2021 08:54:10	0.0	0.4
046	5/6/2021 08:55:10	0.0	0.4
047	5/6/2021 08:56:10	0.0	0.4
048	5/6/2021 08:57:10	0.0	0.4
049	5/6/2021 08:58:10	0.0	0.4
050	5/6/2021 08:59:10	0.0	0.4
051	5/6/2021 09:00:10	0.0	0.5
052	5/6/2021 09:01:10	0.0	0.5
053	5/6/2021 09:02:10	0.0	0.4
054	5/6/2021 09:03:10	0.0	0.4
055	5/6/2021 09:04:10	0.0	0.4
056	5/6/2021 09:05:10	0.0	0.5
057	5/6/2021 09:06:10	0.0	0.5
058	5/6/2021 09:07:10	0.0	0.5
059	5/6/2021 09:08:10	0.0	0.4
060	5/6/2021 09:09:10	0.0	0.4
061	5/6/2021 09:10:10	0.0	0.5
062	5/6/2021 09:11:10	0.0	0.5
063	5/6/2021 09:12:10	0.0	0.5
064	5/6/2021 09:13:10	0.0	0.5
065	5/6/2021 09:14:10	0.0	0.5
066	5/6/2021 09:15:10	0.0	0.5
067	5/6/2021 09:16:10	0.0	0.5
068	5/6/2021 09:17:10	0.0	0.5
069	5/6/2021 09:18:10	0.0	0.5
070	5/6/2021 09:19:10	0.0	0.4
071	5/6/2021 09:20:10	0.0	0.4
072	5/6/2021 09:21:10	0.0	0.4
073	5/6/2021 09:22:10	0.0	0.3
074	5/6/2021 09:23:10	0.0	0.3
075	5/6/2021 09:24:10	0.0	0.3
076	5/6/2021 09:25:10	0.0	0.3
077	5/6/2021 09:26:10	0.0	0.3
078	5/6/2021 09:27:10	0.0	0.2
079	5/6/2021 09:28:10	0.0	0.2
080	5/6/2021 09:29:10	0.0	0.2
081	5/6/2021 09:30:10	0.0	0.2
082	5/6/2021 09:31:10	0.0	0.2
083	5/6/2021 09:32:10	0.0	0.2
084	5/6/2021 09:33:10	0.0	0.1
085	5/6/2021 09:34:10	0.0	0.1

086	5/6/2021 09:35:10	0.0	0.1
087	5/6/2021 09:36:10	0.0	0.1
088	5/6/2021 09:37:10	0.0	0.1
089	5/6/2021 09:38:10	0.0	0.1
090	5/6/2021 09:39:10	0.0	0.1
091	5/6/2021 09:40:10	0.0	0.1
092	5/6/2021 09:41:10	0.0	0.1
093	5/6/2021 09:42:10	0.1	0.1
094	5/6/2021 09:43:10	0.1	0.2
095	5/6/2021 09:44:10	0.1	0.2
096	5/6/2021 09:45:10	0.1	0.2
097	5/6/2021 09:46:10	0.1	0.2
098	5/6/2021 09:47:10	0.1	0.2
099	5/6/2021 09:48:10	0.1	0.2
100	5/6/2021 09:49:10	0.1	0.2
101	5/6/2021 09:50:10	0.1	0.3
102	5/6/2021 09:51:10	0.1	0.3
103	5/6/2021 09:52:10	0.1	0.3
104	5/6/2021 09:53:10	0.1	0.3
105	5/6/2021 09:54:10	0.1	0.2
106	5/6/2021 09:55:10	0.1	0.2
107	5/6/2021 09:56:10	0.1	0.2
108	5/6/2021 09:57:10	0.1	0.2
109	5/6/2021 09:58:10	0.1	0.2
110	5/6/2021 09:59:10	0.1	0.2
111	5/6/2021 10:00:10	0.1	0.1
112	5/6/2021 10:01:10	0.1	0.1
113	5/6/2021 10:02:10	0.1	0.1
114	5/6/2021 10:03:10	0.1	0.1
115	5/6/2021 10:04:10	0.1	0.0
116	5/6/2021 10:05:10	0.1	0.0
117	5/6/2021 10:06:10	0.1	0.0
118	5/6/2021 10:07:10	0.1	0.0
119	5/6/2021 10:08:10	0.1	0.0
120	5/6/2021 10:09:10	0.1	0.0
121	5/6/2021 10:10:10	0.1	0.0
122	5/6/2021 10:11:10	0.1	0.0
123	5/6/2021 10:12:10	0.1	0.0
124	5/6/2021 10:13:10	0.1	0.0
125	5/6/2021 10:14:10	0.1	0.0
126	5/6/2021 10:15:10	0.1	0.0
127	5/6/2021 10:16:10	0.1	0.0
128	5/6/2021 10:17:10	0.1	0.0
129	5/6/2021 10:18:10	0.1	0.0
130	5/6/2021 10:19:10	0.1	0.0
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132	5/6/2021 10:21:10	0.1	0.0
133	5/6/2021 10:22:10	0.1	0.0
134	5/6/2021 10:23:10	0.1	0.0
135	5/6/2021 10:24:10	0.1	0.0

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137	5/6/2021 10:26:10	0.1	0.0
138	5/6/2021 10:27:10	0.1	0.0
139	5/6/2021 10:28:10	0.1	0.0
140	5/6/2021 10:29:10	0.1	0.0
141	5/6/2021 10:30:10	0.1	0.0
142	5/6/2021 10:31:10	0.1	0.1
143	5/6/2021 10:32:10	0.1	0.2
144	5/6/2021 10:33:10	0.1	0.2
145	5/6/2021 10:34:10	0.1	0.2
146	5/6/2021 10:35:10	0.1	0.3
147	5/6/2021 10:36:10	0.1	0.5
148	5/6/2021 10:37:10	0.1	0.5
149	5/6/2021 10:38:10	0.1	0.6
150	5/6/2021 10:39:10	0.1	0.6
151	5/6/2021 10:40:10	0.1	0.6
152	5/6/2021 10:41:10	0.1	0.6
153	5/6/2021 10:42:10	0.1	0.6
154	5/6/2021 10:43:10	0.1	0.6
155	5/6/2021 10:44:10	0.1	0.6
156	5/6/2021 10:45:10	0.1	0.6
157	5/6/2021 10:46:10	0.1	0.5
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161	5/6/2021 10:50:10	0.1	0.3
162	5/6/2021 10:51:10	0.1	0.2
163	5/6/2021 10:52:10	0.1	0.1
164	5/6/2021 10:53:10	0.1	0.0
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176	5/6/2021 11:05:10	0.1	0.0
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229	5/6/2021 11:58:10	0.1	0.0
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235	5/6/2021 12:04:10	0.1	0.0

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365	5/6/2021 14:14:10	0.1	0.0
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374	5/6/2021 14:23:10	0.1	0.0
375	5/6/2021 14:24:10	0.1	0.0
376	5/6/2021 14:25:10	0.1	0.0
377	5/6/2021 14:26:10	0.1	0.0
378	5/6/2021 14:27:10	0.1	0.0
379	5/6/2021 14:28:10	0.1	0.0
380	5/6/2021 14:29:10	0.1	0.0
381	5/6/2021 14:30:10	0.1	0.0
382	5/6/2021 14:31:10	0.1	0.0
383	5/6/2021 14:32:10	0.1	0.0
384	5/6/2021 14:33:10	0.1	0.0
385	5/6/2021 14:34:10	0.1	0.0

386	5/6/2021 14:35:10	0.1	0.0
387	5/6/2021 14:36:10	0.1	0.0
388	5/6/2021 14:37:10	0.1	0.0
389	5/6/2021 14:38:10	0.1	0.0
390	5/6/2021 14:39:10	0.1	0.0
391	5/6/2021 14:40:10	0.1	0.0
392	5/6/2021 14:41:10	0.1	0.0
393	5/6/2021 14:42:10	0.1	0.0
394	5/6/2021 14:43:10	0.1	0.0
395	5/6/2021 14:44:10	0.1	0.0
396	5/6/2021 14:45:10	0.1	0.0
397	5/6/2021 14:46:10	0.1	0.0
398	5/6/2021 14:47:10	0.1	0.0
399	5/6/2021 14:48:10	0.1	0.0
400	5/6/2021 14:49:10	0.1	0.0
401	5/6/2021 14:50:10	0.1	0.0
402	5/6/2021 14:51:10	0.1	0.0
403	5/6/2021 14:52:10	0.1	0.0
404	5/6/2021 14:53:10	0.1	0.0
405	5/6/2021 14:54:10	0.1	0.0
406	5/6/2021 14:55:10	0.1	0.0
407	5/6/2021 14:56:10	0.1	0.0
408	5/6/2021 14:57:10	0.1	0.0
409	5/6/2021 14:58:10	0.1	0.0
410	5/6/2021 14:59:10	0.1	0.0
411	5/6/2021 15:00:10	0.1	0.0
412	5/6/2021 15:01:10	0.1	0.0
413	5/6/2021 15:02:10	0.1	0.0
414	5/6/2021 15:03:10	0.1	0.0
415	5/6/2021 15:04:10	0.1	0.0

==========
21/05/07 07:26
****
Summary

Unit Name MiniRAE 3000 +(PGM-7320)
Unit SN 592-928270
Unit Firmware Ver V2.20A

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

Site ID RAE00000
User ID USER0000

Begin 5/7/2021 07:26:11
End 5/7/2021 14:07:57
Sample Period(s) 60
Number of Records 401

Sensor PID(ppm)
Sensor SN S023030018W6
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 5/7/2021 07:26
Peak 0.0
Min 0.0
Average 0.0

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	5/7/2021 07:27:11	0.0	0.0	0.0	0.0	
002	5/7/2021 07:28:11	0.0	0.0	0.0	0.0	
003	5/7/2021 07:29:11	0.0	0.0	0.0	0.0	
004	5/7/2021 07:30:11	0.0	0.0	0.0	0.0	
005	5/7/2021 07:31:11	0.0	0.0	0.0	0.0	
006	5/7/2021 07:32:11	0.0	0.0	0.0	0.0	
007	5/7/2021 07:33:11	0.0	0.0	0.0	0.0	
008	5/7/2021 07:34:11	0.0	0.0	0.0	0.0	

009	5/7/2021 07:35:11	0.0	0.0	0.0	0.0
010	5/7/2021 07:36:11	0.0	0.0	0.0	0.0
011	5/7/2021 07:37:11	0.0	0.0	0.0	0.0
012	5/7/2021 07:38:11	0.0	0.0	0.0	0.0
013	5/7/2021 07:39:11	0.0	0.0	0.0	0.0
014	5/7/2021 07:40:11	0.0	0.0	0.0	0.0
015	5/7/2021 07:41:11	0.0	0.0	0.0	0.0
016	5/7/2021 07:42:11	0.0	0.0	0.0	0.0
017	5/7/2021 07:43:11	0.0	0.0	0.0	0.0
018	5/7/2021 07:44:11	0.0	0.0	0.0	0.0
019	5/7/2021 07:45:11	0.0	0.0	0.0	0.0
020	5/7/2021 07:46:11	0.0	0.0	0.0	0.0
021	5/7/2021 07:47:11	0.0	0.0	0.0	0.0
022	5/7/2021 07:48:11	0.0	0.0	0.0	0.0
023	5/7/2021 07:49:11	0.0	0.0	0.0	0.0
024	5/7/2021 07:50:11	0.0	0.0	0.0	0.0
025	5/7/2021 07:51:11	0.0	0.0	0.0	0.0
026	5/7/2021 07:52:11	0.0	0.0	0.0	0.0
027	5/7/2021 07:53:11	0.0	0.0	0.0	0.0
028	5/7/2021 07:54:11	0.0	0.0	0.0	0.0
029	5/7/2021 07:55:11	0.0	0.0	0.0	0.0
030	5/7/2021 07:56:11	0.0	0.0	0.0	0.0
031	5/7/2021 07:57:11	0.0	0.0	0.0	0.0
032	5/7/2021 07:58:11	0.0	0.0	0.0	0.0
033	5/7/2021 07:59:11	0.0	0.0	0.0	0.0
034	5/7/2021 08:00:11	0.0	0.0	0.0	0.0
035	5/7/2021 08:01:11	0.0	0.0	0.0	0.0
036	5/7/2021 08:02:11	0.0	0.0	0.0	0.0
037	5/7/2021 08:03:11	0.0	0.0	0.0	0.0
038	5/7/2021 08:04:11	0.0	0.0	0.0	0.0
039	5/7/2021 08:05:11	0.0	0.0	0.0	0.0
040	5/7/2021 08:06:11	0.0	0.0	0.0	0.0
041	5/7/2021 08:07:11	0.0	0.0	0.0	0.0
042	5/7/2021 08:08:11	0.0	0.0	0.0	0.0
043	5/7/2021 08:09:11	0.0	0.0	0.0	0.0
044	5/7/2021 08:10:11	0.0	0.0	0.0	0.0
045	5/7/2021 08:11:11	0.0	0.0	0.0	0.0
046	5/7/2021 08:12:11	0.0	0.0	0.0	0.0
047	5/7/2021 08:13:11	0.0	0.0	0.0	0.0
048	5/7/2021 08:14:11	0.0	0.0	0.0	0.0
049	5/7/2021 08:15:11	0.0	0.0	0.0	0.0
050	5/7/2021 08:16:11	0.0	0.0	0.0	0.0
051	5/7/2021 08:17:11	0.0	0.0	0.0	0.0
052	5/7/2021 08:18:11	0.0	0.0	0.0	0.0
053	5/7/2021 08:19:11	0.0	0.0	0.0	0.0
054	5/7/2021 08:20:11	0.0	0.0	0.0	0.0
055	5/7/2021 08:21:11	0.0	0.0	0.0	0.0
056	5/7/2021 08:22:11	0.0	0.0	0.0	0.0
057	5/7/2021 08:23:11	0.0	0.0	0.0	0.0
058	5/7/2021 08:24:11	0.0	0.0	0.0	0.0

059	5/7/2021 08:25:11	0.0	0.0	0.0	0.0
060	5/7/2021 08:26:11	0.0	0.0	0.0	0.0
061	5/7/2021 08:27:11	0.0	0.0	0.0	0.0
062	5/7/2021 08:28:11	0.0	0.0	0.0	0.0
063	5/7/2021 08:29:11	0.0	0.0	0.0	0.0
064	5/7/2021 08:30:11	0.0	0.0	0.0	0.0
065	5/7/2021 08:31:11	0.0	0.0	0.0	0.0
066	5/7/2021 08:32:11	0.0	0.0	0.0	0.0
067	5/7/2021 08:33:11	0.0	0.0	0.0	0.0
068	5/7/2021 08:34:11	0.0	0.0	0.0	0.0
069	5/7/2021 08:35:11	0.0	0.0	0.0	0.0
070	5/7/2021 08:36:11	0.0	0.0	0.0	0.0
071	5/7/2021 08:37:11	0.0	0.0	0.0	0.0
072	5/7/2021 08:38:11	0.0	0.0	0.0	0.0
073	5/7/2021 08:39:11	0.0	0.0	0.0	0.0
074	5/7/2021 08:40:11	0.0	0.0	0.0	0.0
075	5/7/2021 08:41:11	0.0	0.0	0.0	0.0
076	5/7/2021 08:42:11	0.0	0.0	0.0	0.0
077	5/7/2021 08:43:11	0.0	0.0	0.0	0.0
078	5/7/2021 08:44:11	0.0	0.0	0.0	0.0
079	5/7/2021 08:45:11	0.0	0.0	0.0	0.0
080	5/7/2021 08:46:11	0.0	0.0	0.0	0.0
081	5/7/2021 08:47:11	0.0	0.0	0.0	0.0
082	5/7/2021 08:48:11	0.0	0.0	0.0	0.0
083	5/7/2021 08:49:11	0.0	0.0	0.0	0.0
084	5/7/2021 08:50:11	0.0	0.0	0.0	0.0
085	5/7/2021 08:51:11	0.0	0.0	0.0	0.0
086	5/7/2021 08:52:11	0.0	0.0	0.0	0.0
087	5/7/2021 08:53:11	0.0	0.0	0.0	0.0
088	5/7/2021 08:54:11	0.0	0.0	0.0	0.0
089	5/7/2021 08:55:11	0.0	0.0	0.0	0.0
090	5/7/2021 08:56:11	0.0	0.0	0.0	0.0
091	5/7/2021 08:57:11	0.0	0.0	0.0	0.0
092	5/7/2021 08:58:11	0.0	0.0	0.0	0.0
093	5/7/2021 08:59:11	0.0	0.0	0.0	0.0
094	5/7/2021 09:00:11	0.0	0.0	0.0	0.0
095	5/7/2021 09:01:11	0.0	0.0	0.0	0.0
096	5/7/2021 09:02:11	0.0	0.0	0.0	0.0
097	5/7/2021 09:03:11	0.0	0.0	0.0	0.0
098	5/7/2021 09:04:11	0.0	0.0	0.0	0.0
099	5/7/2021 09:05:11	0.0	0.0	0.0	0.0
100	5/7/2021 09:06:11	0.0	0.0	0.0	0.0
101	5/7/2021 09:07:11	0.0	0.0	0.0	0.0
102	5/7/2021 09:08:11	0.0	0.0	0.0	0.0
103	5/7/2021 09:09:11	0.0	0.0	0.0	0.0
104	5/7/2021 09:10:11	0.0	0.0	0.0	0.0
105	5/7/2021 09:11:11	0.0	0.0	0.0	0.0
106	5/7/2021 09:12:11	0.0	0.0	0.0	0.0
107	5/7/2021 09:13:11	0.0	0.0	0.0	0.0
108	5/7/2021 09:14:11	0.0	0.0	0.0	0.0

109	5/7/2021 09:15:11	0.0	0.0	0.0	0.0
110	5/7/2021 09:16:11	0.0	0.0	0.0	0.0
111	5/7/2021 09:17:11	0.0	0.0	0.0	0.0
112	5/7/2021 09:18:11	0.0	0.0	0.0	0.0
113	5/7/2021 09:19:11	0.0	0.0	0.0	0.0
114	5/7/2021 09:20:11	0.0	0.0	0.0	0.0
115	5/7/2021 09:21:11	0.0	0.0	0.0	0.0
116	5/7/2021 09:22:11	0.0	0.0	0.0	0.0
117	5/7/2021 09:23:11	0.0	0.0	0.0	0.0
118	5/7/2021 09:24:11	0.0	0.0	0.0	0.0
119	5/7/2021 09:25:11	0.0	0.0	0.0	0.0
120	5/7/2021 09:26:11	0.0	0.0	0.0	0.0
121	5/7/2021 09:27:11	0.0	0.0	0.0	0.0
122	5/7/2021 09:28:11	0.0	0.0	0.0	0.0
123	5/7/2021 09:29:11	0.0	0.0	0.0	0.0
124	5/7/2021 09:30:11	0.0	0.0	0.0	0.0
125	5/7/2021 09:31:11	0.0	0.0	0.0	0.0
126	5/7/2021 09:32:11	0.0	0.0	0.0	0.0
127	5/7/2021 09:33:11	0.0	0.0	0.0	0.0
128	5/7/2021 09:34:11	0.0	0.0	0.0	0.0
129	5/7/2021 09:35:11	0.0	0.0	0.0	0.0
130	5/7/2021 09:36:11	0.0	0.0	0.0	0.0
131	5/7/2021 09:37:11	0.0	0.0	0.0	0.0
132	5/7/2021 09:38:11	0.0	0.0	0.0	0.0
133	5/7/2021 09:39:11	0.0	0.0	0.0	0.0
134	5/7/2021 09:40:11	0.0	0.0	0.0	0.0
135	5/7/2021 09:41:11	0.0	0.0	0.0	0.0
136	5/7/2021 09:42:11	0.0	0.0	0.0	0.0
137	5/7/2021 09:43:11	0.0	0.0	0.0	0.0
138	5/7/2021 09:44:11	0.0	0.1	0.6	0.0
139	5/7/2021 09:45:11	0.0	0.0	0.0	0.0
140	5/7/2021 09:46:11	0.0	0.0	0.0	0.0
141	5/7/2021 09:47:11	0.0	0.0	0.0	0.0
142	5/7/2021 09:48:11	0.0	0.0	0.0	0.0
143	5/7/2021 09:49:11	0.0	0.0	0.0	0.0
144	5/7/2021 09:50:11	0.0	0.0	0.0	0.0
145	5/7/2021 09:51:11	0.0	0.0	0.0	0.0
146	5/7/2021 09:52:11	0.0	0.0	0.0	0.0
147	5/7/2021 09:53:11	0.0	0.0	0.0	0.0
148	5/7/2021 09:54:11	0.0	0.0	0.0	0.0
149	5/7/2021 09:55:11	0.0	0.0	0.0	0.0
150	5/7/2021 09:56:11	0.0	0.0	0.0	0.0
151	5/7/2021 09:57:11	0.0	0.0	0.0	0.0
152	5/7/2021 09:58:11	0.0	0.0	0.0	0.0
153	5/7/2021 09:59:11	0.0	0.0	0.0	0.0
154	5/7/2021 10:00:11	0.0	0.0	0.0	0.0
155	5/7/2021 10:01:11	0.0	0.0	0.0	0.0
156	5/7/2021 10:02:11	0.0	0.0	0.0	0.0
157	5/7/2021 10:03:11	0.0	0.0	0.0	0.0
158	5/7/2021 10:04:11	0.0	0.0	0.0	0.0

159	5/7/2021 10:05:11	0.0	0.0	0.0	0.0
160	5/7/2021 10:06:11	0.0	0.0	0.0	0.0
161	5/7/2021 10:07:11	0.0	0.0	0.0	0.0
162	5/7/2021 10:08:11	0.0	0.0	0.0	0.0
163	5/7/2021 10:09:11	0.0	0.0	0.0	0.0
164	5/7/2021 10:10:11	0.0	0.0	0.0	0.0
165	5/7/2021 10:11:11	0.0	0.0	0.0	0.0
166	5/7/2021 10:12:11	0.0	0.0	0.0	0.0
167	5/7/2021 10:13:11	0.0	0.0	0.0	0.0
168	5/7/2021 10:14:11	0.0	0.0	0.0	0.0
169	5/7/2021 10:15:11	0.0	0.0	0.0	0.0
170	5/7/2021 10:16:11	0.0	0.0	0.0	0.0
171	5/7/2021 10:17:11	0.0	0.0	0.0	0.0
172	5/7/2021 10:18:11	0.0	0.0	0.0	0.0
173	5/7/2021 10:19:11	0.0	0.0	0.0	0.0
174	5/7/2021 10:20:11	0.0	0.0	0.0	0.0
175	5/7/2021 10:21:11	0.0	0.0	0.0	0.0
176	5/7/2021 10:22:11	0.0	0.0	0.0	0.0
177	5/7/2021 10:23:11	0.0	0.0	0.0	0.0
178	5/7/2021 10:24:11	0.0	0.0	0.0	0.0
179	5/7/2021 10:25:11	0.0	0.0	0.0	0.0
180	5/7/2021 10:26:11	0.0	0.0	0.0	0.0
181	5/7/2021 10:27:11	0.0	0.0	0.0	0.0
182	5/7/2021 10:28:11	0.0	0.0	0.0	0.0
183	5/7/2021 10:29:11	0.0	0.0	0.0	0.0
184	5/7/2021 10:30:11	0.0	0.0	0.0	0.0
185	5/7/2021 10:31:11	0.0	0.0	0.0	0.0
186	5/7/2021 10:32:11	0.0	0.0	0.0	0.0
187	5/7/2021 10:33:11	0.0	0.0	0.0	0.0
188	5/7/2021 10:34:11	0.0	0.0	0.0	0.0
189	5/7/2021 10:35:11	0.0	0.0	0.0	0.0
190	5/7/2021 10:36:11	0.0	0.0	0.0	0.0
191	5/7/2021 10:37:11	0.0	0.0	0.0	0.0
192	5/7/2021 10:38:11	0.0	0.0	0.0	0.0
193	5/7/2021 10:39:11	0.0	0.0	0.0	0.0
194	5/7/2021 10:40:11	0.0	0.0	0.0	0.0
195	5/7/2021 10:41:11	0.0	0.0	0.0	0.0
196	5/7/2021 10:42:11	0.0	0.0	0.0	0.0
197	5/7/2021 10:43:11	0.0	0.0	0.0	0.0
198	5/7/2021 10:44:11	0.0	0.0	0.0	0.0
199	5/7/2021 10:45:11	0.0	0.0	0.0	0.0
200	5/7/2021 10:46:11	0.0	0.0	0.0	0.0
201	5/7/2021 10:47:11	0.0	0.0	0.0	0.0
202	5/7/2021 10:48:11	0.0	0.0	0.0	0.0
203	5/7/2021 10:49:11	0.0	0.0	0.0	0.0
204	5/7/2021 10:50:11	0.0	0.0	0.0	0.0
205	5/7/2021 10:51:11	0.0	0.0	0.0	0.0
206	5/7/2021 10:52:11	0.0	0.0	0.0	0.0
207	5/7/2021 10:53:11	0.0	0.0	0.0	0.0
208	5/7/2021 10:54:11	0.0	0.0	0.0	0.0

209	5/7/2021 10:55:11	0.0	0.0	0.0	0.0
210	5/7/2021 10:56:11	0.0	0.0	0.0	0.0
211	5/7/2021 10:57:11	0.0	0.0	0.0	0.0
212	5/7/2021 10:58:11	0.0	0.0	0.0	0.0
213	5/7/2021 10:59:11	0.0	0.0	0.0	0.0
214	5/7/2021 11:00:11	0.0	0.0	0.0	0.0
215	5/7/2021 11:01:11	0.0	0.0	0.0	0.0
216	5/7/2021 11:02:11	0.0	0.0	0.0	0.0
217	5/7/2021 11:03:11	0.0	0.0	0.0	0.0
218	5/7/2021 11:04:11	0.0	0.0	0.0	0.0
219	5/7/2021 11:05:11	0.0	0.0	0.0	0.0
220	5/7/2021 11:06:11	0.0	0.0	0.0	0.0
221	5/7/2021 11:07:11	0.0	0.0	0.0	0.0
222	5/7/2021 11:08:11	0.0	0.0	0.0	0.0
223	5/7/2021 11:09:11	0.0	0.0	0.0	0.0
224	5/7/2021 11:10:11	0.0	0.0	0.0	0.0
225	5/7/2021 11:11:11	0.0	0.0	0.0	0.0
226	5/7/2021 11:12:11	0.0	0.4	6.3	0.0
227	5/7/2021 11:13:11	0.0	0.0	0.0	0.0
228	5/7/2021 11:14:11	0.0	0.0	0.0	0.0
229	5/7/2021 11:15:11	0.0	0.0	0.0	0.0
230	5/7/2021 11:16:11	0.0	0.0	0.0	0.0
231	5/7/2021 11:17:11	0.0	0.0	0.0	0.0
232	5/7/2021 11:18:11	0.0	0.0	0.0	0.0
233	5/7/2021 11:19:11	0.0	0.0	0.0	0.0
234	5/7/2021 11:20:11	0.0	0.0	0.0	0.0
235	5/7/2021 11:21:11	0.0	0.0	0.0	0.0
236	5/7/2021 11:22:11	0.0	0.0	0.0	0.0
237	5/7/2021 11:23:11	0.0	0.0	0.0	0.0
238	5/7/2021 11:24:11	0.0	0.0	0.0	0.0
239	5/7/2021 11:25:11	0.0	0.0	0.0	0.0
240	5/7/2021 11:26:11	0.0	0.0	0.0	0.0
241	5/7/2021 11:27:11	0.0	0.0	0.0	0.0
242	5/7/2021 11:28:11	0.0	0.0	0.0	0.0
243	5/7/2021 11:29:11	0.0	0.0	0.0	0.0
244	5/7/2021 11:30:11	0.0	0.0	0.0	0.0
245	5/7/2021 11:31:11	0.0	0.0	0.0	0.0
246	5/7/2021 11:32:11	0.0	0.0	0.0	0.0
247	5/7/2021 11:33:11	0.0	0.0	0.0	0.0
248	5/7/2021 11:34:11	0.0	0.0	0.0	0.0
249	5/7/2021 11:35:11	0.0	0.0	0.0	0.0
250	5/7/2021 11:36:11	0.0	0.0	0.0	0.0
251	5/7/2021 11:37:11	0.0	0.0	0.0	0.0
252	5/7/2021 11:38:11	0.0	0.0	0.0	0.0
253	5/7/2021 11:39:11	0.0	0.0	0.0	0.0
254	5/7/2021 11:40:11	0.0	0.0	0.0	0.0
255	5/7/2021 11:41:11	0.0	0.0	0.0	0.0
256	5/7/2021 11:42:11	0.0	0.0	0.0	0.0
257	5/7/2021 11:43:11	0.0	0.0	0.0	0.0
258	5/7/2021 11:44:11	0.0	0.0	0.0	0.0

259	5/7/2021 11:45:11	0.0	0.0	0.0	0.0
260	5/7/2021 11:46:11	0.0	0.0	0.0	0.0
261	5/7/2021 11:47:11	0.0	0.0	0.0	0.0
262	5/7/2021 11:48:11	0.0	0.0	0.0	0.0
263	5/7/2021 11:49:11	0.0	0.0	0.0	0.0
264	5/7/2021 11:50:11	0.0	0.0	0.0	0.0
265	5/7/2021 11:51:11	0.0	0.0	0.0	0.0
266	5/7/2021 11:52:11	0.0	0.0	0.0	0.0
267	5/7/2021 11:53:11	0.0	0.0	0.0	0.0
268	5/7/2021 11:54:11	0.0	0.0	0.0	0.0
269	5/7/2021 11:55:11	0.0	0.0	0.0	0.0
270	5/7/2021 11:56:11	0.0	0.0	0.0	0.0
271	5/7/2021 11:57:11	0.0	0.0	0.0	0.0
272	5/7/2021 11:58:11	0.0	0.0	0.0	0.0
273	5/7/2021 11:59:11	0.0	0.0	0.0	0.0
274	5/7/2021 12:00:11	0.0	0.0	0.0	0.0
275	5/7/2021 12:01:11	0.0	0.0	0.0	0.0
276	5/7/2021 12:02:11	0.0	0.0	0.0	0.0
277	5/7/2021 12:03:11	0.0	0.0	0.0	0.0
278	5/7/2021 12:04:11	0.0	0.0	0.0	0.0
279	5/7/2021 12:05:11	0.0	0.0	0.0	0.0
280	5/7/2021 12:06:11	0.0	0.0	0.0	0.0
281	5/7/2021 12:07:11	0.0	0.0	0.0	0.0
282	5/7/2021 12:08:11	0.0	0.0	0.0	0.0
283	5/7/2021 12:09:11	0.0	0.0	0.0	0.0
284	5/7/2021 12:10:11	0.0	0.0	0.0	0.0
285	5/7/2021 12:11:11	0.0	0.0	0.0	0.0
286	5/7/2021 12:12:11	0.0	0.0	0.0	0.0
287	5/7/2021 12:13:11	0.0	0.0	0.0	0.0
288	5/7/2021 12:14:11	0.0	0.0	0.0	0.0
289	5/7/2021 12:15:11	0.0	0.0	0.0	0.0
290	5/7/2021 12:16:11	0.0	0.0	0.0	0.0
291	5/7/2021 12:17:11	0.0	0.0	0.0	0.0
292	5/7/2021 12:18:11	0.0	0.0	0.0	0.0
293	5/7/2021 12:19:11	0.0	0.0	0.0	0.0
294	5/7/2021 12:20:11	0.0	0.0	0.0	0.0
295	5/7/2021 12:21:11	0.0	0.0	0.0	0.0
296	5/7/2021 12:22:11	0.0	0.0	0.0	0.0
297	5/7/2021 12:23:11	0.0	0.0	0.0	0.0
298	5/7/2021 12:24:11	0.0	0.0	0.0	0.0
299	5/7/2021 12:25:11	0.0	0.0	0.0	0.0
300	5/7/2021 12:26:11	0.0	0.0	0.0	0.0
301	5/7/2021 12:27:11	0.0	0.0	0.0	0.0
302	5/7/2021 12:28:11	0.0	0.0	0.0	0.0
303	5/7/2021 12:29:11	0.0	0.0	0.0	0.0
304	5/7/2021 12:30:11	0.0	0.0	0.0	0.0
305	5/7/2021 12:31:11	0.0	0.0	0.0	0.0
306	5/7/2021 12:32:11	0.0	0.0	0.0	0.0
307	5/7/2021 12:33:11	0.0	0.0	0.0	0.0
308	5/7/2021 12:34:11	0.0	0.0	0.0	0.0

309	5/7/2021 12:35:11	0.0	0.0	0.0	0.0
310	5/7/2021 12:36:11	0.0	0.0	0.0	0.0
311	5/7/2021 12:37:11	0.0	0.0	0.0	0.0
312	5/7/2021 12:38:11	0.0	0.0	0.0	0.0
313	5/7/2021 12:39:11	0.0	0.0	0.0	0.0
314	5/7/2021 12:40:11	0.0	0.0	0.0	0.0
315	5/7/2021 12:41:11	0.0	0.0	0.0	0.0
316	5/7/2021 12:42:11	0.0	0.0	0.0	0.0
317	5/7/2021 12:43:11	0.0	0.0	0.0	0.0
318	5/7/2021 12:44:11	0.0	0.0	0.0	0.0
319	5/7/2021 12:45:11	0.0	0.0	0.0	0.0
320	5/7/2021 12:46:11	0.0	0.0	0.0	0.0
321	5/7/2021 12:47:11	0.0	0.0	0.0	0.0
322	5/7/2021 12:48:11	0.0	0.0	0.0	0.0
323	5/7/2021 12:49:11	0.0	0.0	0.0	0.0
324	5/7/2021 12:50:11	0.0	0.0	0.0	0.0
325	5/7/2021 12:51:11	0.0	0.0	0.0	0.0
326	5/7/2021 12:52:11	0.0	0.0	0.0	0.0
327	5/7/2021 12:53:11	0.0	0.0	0.0	0.0
328	5/7/2021 12:54:11	0.0	0.0	0.0	0.0
329	5/7/2021 12:55:11	0.0	0.0	0.0	0.0
330	5/7/2021 12:56:11	0.0	0.0	0.0	0.0
331	5/7/2021 12:57:11	0.0	0.0	0.0	0.0
332	5/7/2021 12:58:11	0.0	0.0	0.0	0.0
333	5/7/2021 12:59:11	0.0	0.0	0.0	0.0
334	5/7/2021 13:00:11	0.0	0.0	0.0	0.0
335	5/7/2021 13:01:11	0.0	0.0	0.0	0.0
336	5/7/2021 13:02:11	0.0	0.0	0.0	0.0
337	5/7/2021 13:03:11	0.0	0.0	0.0	0.0
338	5/7/2021 13:04:11	0.0	0.0	0.0	0.0
339	5/7/2021 13:05:11	0.0	0.0	0.0	0.0
340	5/7/2021 13:06:11	0.0	0.0	0.0	0.0
341	5/7/2021 13:07:11	0.0	0.0	0.0	0.0
342	5/7/2021 13:08:11	0.0	0.0	0.0	0.0
343	5/7/2021 13:09:11	0.0	0.0	0.0	0.0
344	5/7/2021 13:10:11	0.0	0.0	0.0	0.0
345	5/7/2021 13:11:11	0.0	0.0	0.0	0.0
346	5/7/2021 13:12:11	0.0	0.0	0.0	0.0
347	5/7/2021 13:13:11	0.0	0.0	0.0	0.0
348	5/7/2021 13:14:11	0.0	0.0	0.0	0.0
349	5/7/2021 13:15:11	0.0	0.0	0.0	0.0
350	5/7/2021 13:16:11	0.0	0.0	0.0	0.0
351	5/7/2021 13:17:11	0.0	0.0	0.0	0.0
352	5/7/2021 13:18:11	0.0	0.0	0.0	0.0
353	5/7/2021 13:19:11	0.0	0.0	0.0	0.0
354	5/7/2021 13:20:11	0.0	0.0	0.0	0.0
355	5/7/2021 13:21:11	0.0	0.0	0.0	0.0
356	5/7/2021 13:22:11	0.0	0.0	0.0	0.0
357	5/7/2021 13:23:11	0.0	0.0	0.0	0.0
358	5/7/2021 13:24:11	0.0	0.0	0.0	0.0

359	5/7/2021 13:25:11	0.0	0.0	0.0	0.0
360	5/7/2021 13:26:11	0.0	0.0	0.0	0.0
361	5/7/2021 13:27:11	0.0	0.0	0.0	0.0
362	5/7/2021 13:28:11	0.0	0.0	0.0	0.0
363	5/7/2021 13:29:11	0.0	0.0	0.0	0.0
364	5/7/2021 13:30:11	0.0	0.0	0.0	0.0
365	5/7/2021 13:31:11	0.0	0.0	0.0	0.0
366	5/7/2021 13:32:11	0.0	0.0	0.0	0.0
367	5/7/2021 13:33:11	0.0	0.0	0.0	0.0
368	5/7/2021 13:34:11	0.0	0.0	0.0	0.0
369	5/7/2021 13:35:11	0.0	0.0	0.0	0.0
370	5/7/2021 13:36:11	0.0	0.0	0.0	0.0
371	5/7/2021 13:37:11	0.0	0.0	0.0	0.0
372	5/7/2021 13:38:11	0.0	0.0	0.0	0.0
373	5/7/2021 13:39:11	0.0	0.0	0.0	0.0
374	5/7/2021 13:40:11	0.0	0.0	0.0	0.0
375	5/7/2021 13:41:11	0.0	0.0	0.0	0.0
376	5/7/2021 13:42:11	0.0	0.0	0.0	0.0
377	5/7/2021 13:43:11	0.0	0.0	0.0	0.0
378	5/7/2021 13:44:11	0.0	0.0	0.0	0.0
379	5/7/2021 13:45:11	0.0	0.0	0.0	0.0
380	5/7/2021 13:46:11	0.0	0.0	0.0	0.0
381	5/7/2021 13:47:11	0.0	0.0	0.0	0.0
382	5/7/2021 13:48:11	0.0	0.0	0.0	0.0
383	5/7/2021 13:49:11	0.0	0.0	0.0	0.0
384	5/7/2021 13:50:11	0.0	0.0	0.0	0.0
385	5/7/2021 13:51:11	0.0	0.0	0.0	0.0
386	5/7/2021 13:52:11	0.0	0.0	0.0	0.0
387	5/7/2021 13:53:11	0.0	0.0	0.0	0.0
388	5/7/2021 13:54:11	0.0	0.0	0.0	0.0
389	5/7/2021 13:55:11	0.0	0.0	0.0	0.0
390	5/7/2021 13:56:11	0.0	0.0	0.0	0.0
391	5/7/2021 13:57:11	0.0	0.0	0.0	0.0
392	5/7/2021 13:58:11	0.0	0.0	0.0	0.0
393	5/7/2021 13:59:11	0.0	0.0	0.0	0.0
394	5/7/2021 14:00:11	0.0	0.0	0.0	0.0
395	5/7/2021 14:01:11	0.0	0.0	0.0	0.0
396	5/7/2021 14:02:11	0.0	0.0	0.0	0.0
397	5/7/2021 14:03:11	0.0	0.0	0.0	0.0
398	5/7/2021 14:04:11	0.0	0.0	0.0	0.0
399	5/7/2021 14:05:11	0.0	0.0	0.0	0.0
400	5/7/2021 14:06:11	0.0	0.0	0.0	0.0
401	5/7/2021 14:07:11	0.0	0.0	0.0	0.0
Peak		0.0	0.4	6.3	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

	PID(ppm)	PID(ppm)

Index	Date/Time	(TWA)	(STEL)	
001	5/7/2021 07:27:11	0.0	---	
002	5/7/2021 07:28:11	0.0	---	
003	5/7/2021 07:29:11	0.0	---	
004	5/7/2021 07:30:11	0.0	---	
005	5/7/2021 07:31:11	0.0	---	
006	5/7/2021 07:32:11	0.0	---	
007	5/7/2021 07:33:11	0.0	---	
008	5/7/2021 07:34:11	0.0	---	
009	5/7/2021 07:35:11	0.0	---	
010	5/7/2021 07:36:11	0.0	---	
011	5/7/2021 07:37:11	0.0	---	
012	5/7/2021 07:38:11	0.0	---	
013	5/7/2021 07:39:11	0.0	---	
014	5/7/2021 07:40:11	0.0	---	
015	5/7/2021 07:41:11	0.0	0.0	
016	5/7/2021 07:42:11	0.0	0.0	
017	5/7/2021 07:43:11	0.0	0.0	
018	5/7/2021 07:44:11	0.0	0.0	
019	5/7/2021 07:45:11	0.0	0.0	
020	5/7/2021 07:46:11	0.0	0.0	
021	5/7/2021 07:47:11	0.0	0.0	
022	5/7/2021 07:48:11	0.0	0.0	
023	5/7/2021 07:49:11	0.0	0.0	
024	5/7/2021 07:50:11	0.0	0.0	
025	5/7/2021 07:51:11	0.0	0.0	
026	5/7/2021 07:52:11	0.0	0.0	
027	5/7/2021 07:53:11	0.0	0.0	
028	5/7/2021 07:54:11	0.0	0.0	
029	5/7/2021 07:55:11	0.0	0.0	
030	5/7/2021 07:56:11	0.0	0.0	
031	5/7/2021 07:57:11	0.0	0.0	
032	5/7/2021 07:58:11	0.0	0.0	
033	5/7/2021 07:59:11	0.0	0.0	
034	5/7/2021 08:00:11	0.0	0.0	
035	5/7/2021 08:01:11	0.0	0.0	
036	5/7/2021 08:02:11	0.0	0.0	
037	5/7/2021 08:03:11	0.0	0.0	
038	5/7/2021 08:04:11	0.0	0.0	
039	5/7/2021 08:05:11	0.0	0.0	
040	5/7/2021 08:06:11	0.0	0.0	
041	5/7/2021 08:07:11	0.0	0.0	
042	5/7/2021 08:08:11	0.0	0.0	
043	5/7/2021 08:09:11	0.0	0.0	
044	5/7/2021 08:10:11	0.0	0.0	
045	5/7/2021 08:11:11	0.0	0.0	
046	5/7/2021 08:12:11	0.0	0.0	
047	5/7/2021 08:13:11	0.0	0.0	
048	5/7/2021 08:14:11	0.0	0.0	
049	5/7/2021 08:15:11	0.0	0.0	

050	5/7/2021 08:16:11	0.0	0.0
051	5/7/2021 08:17:11	0.0	0.0
052	5/7/2021 08:18:11	0.0	0.0
053	5/7/2021 08:19:11	0.0	0.0
054	5/7/2021 08:20:11	0.0	0.0
055	5/7/2021 08:21:11	0.0	0.0
056	5/7/2021 08:22:11	0.0	0.0
057	5/7/2021 08:23:11	0.0	0.0
058	5/7/2021 08:24:11	0.0	0.0
059	5/7/2021 08:25:11	0.0	0.0
060	5/7/2021 08:26:11	0.0	0.0
061	5/7/2021 08:27:11	0.0	0.0
062	5/7/2021 08:28:11	0.0	0.0
063	5/7/2021 08:29:11	0.0	0.0
064	5/7/2021 08:30:11	0.0	0.0
065	5/7/2021 08:31:11	0.0	0.0
066	5/7/2021 08:32:11	0.0	0.0
067	5/7/2021 08:33:11	0.0	0.0
068	5/7/2021 08:34:11	0.0	0.0
069	5/7/2021 08:35:11	0.0	0.0
070	5/7/2021 08:36:11	0.0	0.0
071	5/7/2021 08:37:11	0.0	0.0
072	5/7/2021 08:38:11	0.0	0.0
073	5/7/2021 08:39:11	0.0	0.0
074	5/7/2021 08:40:11	0.0	0.0
075	5/7/2021 08:41:11	0.0	0.0
076	5/7/2021 08:42:11	0.0	0.0
077	5/7/2021 08:43:11	0.0	0.0
078	5/7/2021 08:44:11	0.0	0.0
079	5/7/2021 08:45:11	0.0	0.0
080	5/7/2021 08:46:11	0.0	0.0
081	5/7/2021 08:47:11	0.0	0.0
082	5/7/2021 08:48:11	0.0	0.0
083	5/7/2021 08:49:11	0.0	0.0
084	5/7/2021 08:50:11	0.0	0.0
085	5/7/2021 08:51:11	0.0	0.0
086	5/7/2021 08:52:11	0.0	0.0
087	5/7/2021 08:53:11	0.0	0.0
088	5/7/2021 08:54:11	0.0	0.0
089	5/7/2021 08:55:11	0.0	0.0
090	5/7/2021 08:56:11	0.0	0.0
091	5/7/2021 08:57:11	0.0	0.0
092	5/7/2021 08:58:11	0.0	0.0
093	5/7/2021 08:59:11	0.0	0.0
094	5/7/2021 09:00:11	0.0	0.0
095	5/7/2021 09:01:11	0.0	0.0
096	5/7/2021 09:02:11	0.0	0.0
097	5/7/2021 09:03:11	0.0	0.0
098	5/7/2021 09:04:11	0.0	0.0
099	5/7/2021 09:05:11	0.0	0.0

100	5/7/2021 09:06:11	0.0	0.0
101	5/7/2021 09:07:11	0.0	0.0
102	5/7/2021 09:08:11	0.0	0.0
103	5/7/2021 09:09:11	0.0	0.0
104	5/7/2021 09:10:11	0.0	0.0
105	5/7/2021 09:11:11	0.0	0.0
106	5/7/2021 09:12:11	0.0	0.0
107	5/7/2021 09:13:11	0.0	0.0
108	5/7/2021 09:14:11	0.0	0.0
109	5/7/2021 09:15:11	0.0	0.0
110	5/7/2021 09:16:11	0.0	0.0
111	5/7/2021 09:17:11	0.0	0.0
112	5/7/2021 09:18:11	0.0	0.0
113	5/7/2021 09:19:11	0.0	0.0
114	5/7/2021 09:20:11	0.0	0.0
115	5/7/2021 09:21:11	0.0	0.0
116	5/7/2021 09:22:11	0.0	0.0
117	5/7/2021 09:23:11	0.0	0.0
118	5/7/2021 09:24:11	0.0	0.0
119	5/7/2021 09:25:11	0.0	0.0
120	5/7/2021 09:26:11	0.0	0.0
121	5/7/2021 09:27:11	0.0	0.0
122	5/7/2021 09:28:11	0.0	0.0
123	5/7/2021 09:29:11	0.0	0.0
124	5/7/2021 09:30:11	0.0	0.0
125	5/7/2021 09:31:11	0.0	0.0
126	5/7/2021 09:32:11	0.0	0.0
127	5/7/2021 09:33:11	0.0	0.0
128	5/7/2021 09:34:11	0.0	0.0
129	5/7/2021 09:35:11	0.0	0.0
130	5/7/2021 09:36:11	0.0	0.0
131	5/7/2021 09:37:11	0.0	0.0
132	5/7/2021 09:38:11	0.0	0.0
133	5/7/2021 09:39:11	0.0	0.0
134	5/7/2021 09:40:11	0.0	0.0
135	5/7/2021 09:41:11	0.0	0.0
136	5/7/2021 09:42:11	0.0	0.0
137	5/7/2021 09:43:11	0.0	0.0
138	5/7/2021 09:44:11	0.0	0.0
139	5/7/2021 09:45:11	0.0	0.0
140	5/7/2021 09:46:11	0.0	0.0
141	5/7/2021 09:47:11	0.0	0.0
142	5/7/2021 09:48:11	0.0	0.0
143	5/7/2021 09:49:11	0.0	0.0
144	5/7/2021 09:50:11	0.0	0.0
145	5/7/2021 09:51:11	0.0	0.0
146	5/7/2021 09:52:11	0.0	0.0
147	5/7/2021 09:53:11	0.0	0.0
148	5/7/2021 09:54:11	0.0	0.0
149	5/7/2021 09:55:11	0.0	0.0

150	5/7/2021 09:56:11	0.0	0.0
151	5/7/2021 09:57:11	0.0	0.0
152	5/7/2021 09:58:11	0.0	0.0
153	5/7/2021 09:59:11	0.0	0.0
154	5/7/2021 10:00:11	0.0	0.0
155	5/7/2021 10:01:11	0.0	0.0
156	5/7/2021 10:02:11	0.0	0.0
157	5/7/2021 10:03:11	0.0	0.0
158	5/7/2021 10:04:11	0.0	0.0
159	5/7/2021 10:05:11	0.0	0.0
160	5/7/2021 10:06:11	0.0	0.0
161	5/7/2021 10:07:11	0.0	0.0
162	5/7/2021 10:08:11	0.0	0.0
163	5/7/2021 10:09:11	0.0	0.0
164	5/7/2021 10:10:11	0.0	0.0
165	5/7/2021 10:11:11	0.0	0.0
166	5/7/2021 10:12:11	0.0	0.0
167	5/7/2021 10:13:11	0.0	0.0
168	5/7/2021 10:14:11	0.0	0.0
169	5/7/2021 10:15:11	0.0	0.0
170	5/7/2021 10:16:11	0.0	0.0
171	5/7/2021 10:17:11	0.0	0.0
172	5/7/2021 10:18:11	0.0	0.0
173	5/7/2021 10:19:11	0.0	0.0
174	5/7/2021 10:20:11	0.0	0.0
175	5/7/2021 10:21:11	0.0	0.0
176	5/7/2021 10:22:11	0.0	0.0
177	5/7/2021 10:23:11	0.0	0.0
178	5/7/2021 10:24:11	0.0	0.0
179	5/7/2021 10:25:11	0.0	0.0
180	5/7/2021 10:26:11	0.0	0.0
181	5/7/2021 10:27:11	0.0	0.0
182	5/7/2021 10:28:11	0.0	0.0
183	5/7/2021 10:29:11	0.0	0.0
184	5/7/2021 10:30:11	0.0	0.0
185	5/7/2021 10:31:11	0.0	0.0
186	5/7/2021 10:32:11	0.0	0.0
187	5/7/2021 10:33:11	0.0	0.0
188	5/7/2021 10:34:11	0.0	0.0
189	5/7/2021 10:35:11	0.0	0.0
190	5/7/2021 10:36:11	0.0	0.0
191	5/7/2021 10:37:11	0.0	0.0
192	5/7/2021 10:38:11	0.0	0.0
193	5/7/2021 10:39:11	0.0	0.0
194	5/7/2021 10:40:11	0.0	0.0
195	5/7/2021 10:41:11	0.0	0.0
196	5/7/2021 10:42:11	0.0	0.0
197	5/7/2021 10:43:11	0.0	0.0
198	5/7/2021 10:44:11	0.0	0.0
199	5/7/2021 10:45:11	0.0	0.0

200	5/7/2021 10:46:11	0.0	0.0
201	5/7/2021 10:47:11	0.0	0.0
202	5/7/2021 10:48:11	0.0	0.0
203	5/7/2021 10:49:11	0.0	0.0
204	5/7/2021 10:50:11	0.0	0.0
205	5/7/2021 10:51:11	0.0	0.0
206	5/7/2021 10:52:11	0.0	0.0
207	5/7/2021 10:53:11	0.0	0.0
208	5/7/2021 10:54:11	0.0	0.0
209	5/7/2021 10:55:11	0.0	0.0
210	5/7/2021 10:56:11	0.0	0.0
211	5/7/2021 10:57:11	0.0	0.0
212	5/7/2021 10:58:11	0.0	0.0
213	5/7/2021 10:59:11	0.0	0.0
214	5/7/2021 11:00:11	0.0	0.0
215	5/7/2021 11:01:11	0.0	0.0
216	5/7/2021 11:02:11	0.0	0.0
217	5/7/2021 11:03:11	0.0	0.0
218	5/7/2021 11:04:11	0.0	0.0
219	5/7/2021 11:05:11	0.0	0.0
220	5/7/2021 11:06:11	0.0	0.0
221	5/7/2021 11:07:11	0.0	0.0
222	5/7/2021 11:08:11	0.0	0.0
223	5/7/2021 11:09:11	0.0	0.0
224	5/7/2021 11:10:11	0.0	0.0
225	5/7/2021 11:11:11	0.0	0.0
226	5/7/2021 11:12:11	0.0	0.0
227	5/7/2021 11:13:11	0.0	0.0
228	5/7/2021 11:14:11	0.0	0.0
229	5/7/2021 11:15:11	0.0	0.0
230	5/7/2021 11:16:11	0.0	0.0
231	5/7/2021 11:17:11	0.0	0.0
232	5/7/2021 11:18:11	0.0	0.0
233	5/7/2021 11:19:11	0.0	0.0
234	5/7/2021 11:20:11	0.0	0.0
235	5/7/2021 11:21:11	0.0	0.0
236	5/7/2021 11:22:11	0.0	0.0
237	5/7/2021 11:23:11	0.0	0.0
238	5/7/2021 11:24:11	0.0	0.0
239	5/7/2021 11:25:11	0.0	0.0
240	5/7/2021 11:26:11	0.0	0.0
241	5/7/2021 11:27:11	0.0	0.0
242	5/7/2021 11:28:11	0.0	0.0
243	5/7/2021 11:29:11	0.0	0.0
244	5/7/2021 11:30:11	0.0	0.0
245	5/7/2021 11:31:11	0.0	0.0
246	5/7/2021 11:32:11	0.0	0.0
247	5/7/2021 11:33:11	0.0	0.0
248	5/7/2021 11:34:11	0.0	0.0
249	5/7/2021 11:35:11	0.0	0.0

250	5/7/2021 11:36:11	0.0	0.0
251	5/7/2021 11:37:11	0.0	0.0
252	5/7/2021 11:38:11	0.0	0.0
253	5/7/2021 11:39:11	0.0	0.0
254	5/7/2021 11:40:11	0.0	0.0
255	5/7/2021 11:41:11	0.0	0.0
256	5/7/2021 11:42:11	0.0	0.0
257	5/7/2021 11:43:11	0.0	0.0
258	5/7/2021 11:44:11	0.0	0.0
259	5/7/2021 11:45:11	0.0	0.0
260	5/7/2021 11:46:11	0.0	0.0
261	5/7/2021 11:47:11	0.0	0.0
262	5/7/2021 11:48:11	0.0	0.0
263	5/7/2021 11:49:11	0.0	0.0
264	5/7/2021 11:50:11	0.0	0.0
265	5/7/2021 11:51:11	0.0	0.0
266	5/7/2021 11:52:11	0.0	0.0
267	5/7/2021 11:53:11	0.0	0.0
268	5/7/2021 11:54:11	0.0	0.0
269	5/7/2021 11:55:11	0.0	0.0
270	5/7/2021 11:56:11	0.0	0.0
271	5/7/2021 11:57:11	0.0	0.0
272	5/7/2021 11:58:11	0.0	0.0
273	5/7/2021 11:59:11	0.0	0.0
274	5/7/2021 12:00:11	0.0	0.0
275	5/7/2021 12:01:11	0.0	0.0
276	5/7/2021 12:02:11	0.0	0.0
277	5/7/2021 12:03:11	0.0	0.0
278	5/7/2021 12:04:11	0.0	0.0
279	5/7/2021 12:05:11	0.0	0.0
280	5/7/2021 12:06:11	0.0	0.0
281	5/7/2021 12:07:11	0.0	0.0
282	5/7/2021 12:08:11	0.0	0.0
283	5/7/2021 12:09:11	0.0	0.0
284	5/7/2021 12:10:11	0.0	0.0
285	5/7/2021 12:11:11	0.0	0.0
286	5/7/2021 12:12:11	0.0	0.0
287	5/7/2021 12:13:11	0.0	0.0
288	5/7/2021 12:14:11	0.0	0.0
289	5/7/2021 12:15:11	0.0	0.0
290	5/7/2021 12:16:11	0.0	0.0
291	5/7/2021 12:17:11	0.0	0.0
292	5/7/2021 12:18:11	0.0	0.0
293	5/7/2021 12:19:11	0.0	0.0
294	5/7/2021 12:20:11	0.0	0.0
295	5/7/2021 12:21:11	0.0	0.0
296	5/7/2021 12:22:11	0.0	0.0
297	5/7/2021 12:23:11	0.0	0.0
298	5/7/2021 12:24:11	0.0	0.0
299	5/7/2021 12:25:11	0.0	0.0

300	5/7/2021 12:26:11	0.0	0.0
301	5/7/2021 12:27:11	0.0	0.0
302	5/7/2021 12:28:11	0.0	0.0
303	5/7/2021 12:29:11	0.0	0.0
304	5/7/2021 12:30:11	0.0	0.0
305	5/7/2021 12:31:11	0.0	0.0
306	5/7/2021 12:32:11	0.0	0.0
307	5/7/2021 12:33:11	0.0	0.0
308	5/7/2021 12:34:11	0.0	0.0
309	5/7/2021 12:35:11	0.0	0.0
310	5/7/2021 12:36:11	0.0	0.0
311	5/7/2021 12:37:11	0.0	0.0
312	5/7/2021 12:38:11	0.0	0.0
313	5/7/2021 12:39:11	0.0	0.0
314	5/7/2021 12:40:11	0.0	0.0
315	5/7/2021 12:41:11	0.0	0.0
316	5/7/2021 12:42:11	0.0	0.0
317	5/7/2021 12:43:11	0.0	0.0
318	5/7/2021 12:44:11	0.0	0.0
319	5/7/2021 12:45:11	0.0	0.0
320	5/7/2021 12:46:11	0.0	0.0
321	5/7/2021 12:47:11	0.0	0.0
322	5/7/2021 12:48:11	0.0	0.0
323	5/7/2021 12:49:11	0.0	0.0
324	5/7/2021 12:50:11	0.0	0.0
325	5/7/2021 12:51:11	0.0	0.0
326	5/7/2021 12:52:11	0.0	0.0
327	5/7/2021 12:53:11	0.0	0.0
328	5/7/2021 12:54:11	0.0	0.0
329	5/7/2021 12:55:11	0.0	0.0
330	5/7/2021 12:56:11	0.0	0.0
331	5/7/2021 12:57:11	0.0	0.0
332	5/7/2021 12:58:11	0.0	0.0
333	5/7/2021 12:59:11	0.0	0.0
334	5/7/2021 13:00:11	0.0	0.0
335	5/7/2021 13:01:11	0.0	0.0
336	5/7/2021 13:02:11	0.0	0.0
337	5/7/2021 13:03:11	0.0	0.0
338	5/7/2021 13:04:11	0.0	0.0
339	5/7/2021 13:05:11	0.0	0.0
340	5/7/2021 13:06:11	0.0	0.0
341	5/7/2021 13:07:11	0.0	0.0
342	5/7/2021 13:08:11	0.0	0.0
343	5/7/2021 13:09:11	0.0	0.0
344	5/7/2021 13:10:11	0.0	0.0
345	5/7/2021 13:11:11	0.0	0.0
346	5/7/2021 13:12:11	0.0	0.0
347	5/7/2021 13:13:11	0.0	0.0
348	5/7/2021 13:14:11	0.0	0.0
349	5/7/2021 13:15:11	0.0	0.0

350	5/7/2021 13:16:11	0.0	0.0
351	5/7/2021 13:17:11	0.0	0.0
352	5/7/2021 13:18:11	0.0	0.0
353	5/7/2021 13:19:11	0.0	0.0
354	5/7/2021 13:20:11	0.0	0.0
355	5/7/2021 13:21:11	0.0	0.0
356	5/7/2021 13:22:11	0.0	0.0
357	5/7/2021 13:23:11	0.0	0.0
358	5/7/2021 13:24:11	0.0	0.0
359	5/7/2021 13:25:11	0.0	0.0
360	5/7/2021 13:26:11	0.0	0.0
361	5/7/2021 13:27:11	0.0	0.0
362	5/7/2021 13:28:11	0.0	0.0
363	5/7/2021 13:29:11	0.0	0.0
364	5/7/2021 13:30:11	0.0	0.0
365	5/7/2021 13:31:11	0.0	0.0
366	5/7/2021 13:32:11	0.0	0.0
367	5/7/2021 13:33:11	0.0	0.0
368	5/7/2021 13:34:11	0.0	0.0
369	5/7/2021 13:35:11	0.0	0.0
370	5/7/2021 13:36:11	0.0	0.0
371	5/7/2021 13:37:11	0.0	0.0
372	5/7/2021 13:38:11	0.0	0.0
373	5/7/2021 13:39:11	0.0	0.0
374	5/7/2021 13:40:11	0.0	0.0
375	5/7/2021 13:41:11	0.0	0.0
376	5/7/2021 13:42:11	0.0	0.0
377	5/7/2021 13:43:11	0.0	0.0
378	5/7/2021 13:44:11	0.0	0.0
379	5/7/2021 13:45:11	0.0	0.0
380	5/7/2021 13:46:11	0.0	0.0
381	5/7/2021 13:47:11	0.0	0.0
382	5/7/2021 13:48:11	0.0	0.0
383	5/7/2021 13:49:11	0.0	0.0
384	5/7/2021 13:50:11	0.0	0.0
385	5/7/2021 13:51:11	0.0	0.0
386	5/7/2021 13:52:11	0.0	0.0
387	5/7/2021 13:53:11	0.0	0.0
388	5/7/2021 13:54:11	0.0	0.0
389	5/7/2021 13:55:11	0.0	0.0
390	5/7/2021 13:56:11	0.0	0.0
391	5/7/2021 13:57:11	0.0	0.0
392	5/7/2021 13:58:11	0.0	0.0
393	5/7/2021 13:59:11	0.0	0.0
394	5/7/2021 14:00:11	0.0	0.0
395	5/7/2021 14:01:11	0.0	0.0
396	5/7/2021 14:02:11	0.0	0.0
397	5/7/2021 14:03:11	0.0	0.0
398	5/7/2021 14:04:11	0.0	0.0
399	5/7/2021 14:05:11	0.0	0.0

400	5/7/2021 14:06:11	0.0	0.0
401	5/7/2021 14:07:11	0.0	0.0

```
============================================================
21/05/10 07:48
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000 +(PGM-7320)
Unit SN 592-928270
Unit Firmware Ver       V2.20A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Communication Mode
------------------------------------------------------------
Site ID RAE00000
User ID USER0000
------------------------------------------------------------
Begin   5/10/2021 07:48:56
End     5/10/2021 15:22:40
Sample Period(s)        60
Number of Records       453
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030018W6
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        5/10/2021 07:48
Peak    6.7
Min     0.0
Average 0.2

************************************************************
Datalog
                PID(ppm)        PID(ppm)        PID(ppm)        PID(ppm)
Index   Date/Time       (Min)   (Avg)   (Max)   (Real)
001     5/10/2021 07:49:56      0.0     0.1     0.3     0.0
002     5/10/2021 07:50:56      0.0     0.0     0.0     0.0
003     5/10/2021 07:51:56      0.0     0.0     0.0     0.0
004     5/10/2021 07:52:56      0.0     0.0     0.0     0.0
005     5/10/2021 07:53:56      0.0     0.0     0.0     0.0
006     5/10/2021 07:54:56      0.0     0.0     0.0     0.0
007     5/10/2021 07:55:56      0.0     0.0     0.0     0.0
008     5/10/2021 07:56:56      0.0     0.0     0.0     0.0
```

009	5/10/2021 07:57:56	0.0	0.0	0.0	0.0
010	5/10/2021 07:58:56	0.0	0.0	0.0	0.0
011	5/10/2021 07:59:56	0.0	0.0	0.0	0.0
012	5/10/2021 08:00:56	0.0	0.0	0.0	0.0
013	5/10/2021 08:01:56	0.0	0.0	0.0	0.0
014	5/10/2021 08:02:56	0.0	0.0	0.0	0.0
015	5/10/2021 08:03:56	0.0	0.0	0.0	0.0
016	5/10/2021 08:04:56	0.0	0.0	0.1	0.0
017	5/10/2021 08:05:56	0.0	0.0	0.0	0.0
018	5/10/2021 08:06:56	0.0	0.0	0.0	0.0
019	5/10/2021 08:07:56	0.0	0.0	0.0	0.0
020	5/10/2021 08:08:56	0.0	0.0	0.0	0.0
021	5/10/2021 08:09:56	0.0	0.0	0.0	0.0
022	5/10/2021 08:10:56	0.0	0.0	0.0	0.0
023	5/10/2021 08:11:56	0.0	0.0	0.0	0.0
024	5/10/2021 08:12:56	0.0	0.0	0.0	0.0
025	5/10/2021 08:13:56	0.0	0.0	0.0	0.0
026	5/10/2021 08:14:56	0.0	0.0	0.0	0.0
027	5/10/2021 08:15:56	0.0	0.0	0.0	0.0
028	5/10/2021 08:16:56	0.0	0.0	0.0	0.0
029	5/10/2021 08:17:56	0.0	0.0	0.0	0.0
030	5/10/2021 08:18:56	0.0	0.0	0.0	0.0
031	5/10/2021 08:19:56	0.0	0.1	0.5	0.1
032	5/10/2021 08:20:56	0.0	0.6	1.6	1.6
033	5/10/2021 08:21:56	1.4	1.6	1.7	1.7
034	5/10/2021 08:22:56	1.1	1.8	2.6	2.6
035	5/10/2021 08:23:56	2.5	2.9	3.4	3.4
036	5/10/2021 08:24:56	2.7	3.3	3.8	3.5
037	5/10/2021 08:25:56	3.3	4.3	5.4	5.1
038	5/10/2021 08:26:56	4.7	5.1	5.7	4.7
039	5/10/2021 08:27:56	4.6	5.9	6.8	6.7
040	5/10/2021 08:28:56	5.6	6.2	6.6	6.5
041	5/10/2021 08:29:56	5.7	6.2	6.7	6.3
042	5/10/2021 08:30:56	5.3	5.9	6.3	6.0
043	5/10/2021 08:31:56	5.6	6.0	6.3	5.6
044	5/10/2021 08:32:56	5.5	5.6	5.8	5.5
045	5/10/2021 08:33:56	5.2	5.3	5.4	5.3
046	5/10/2021 08:34:56	5.1	5.1	5.3	5.1
047	5/10/2021 08:35:56	4.9	5.0	5.1	4.9
048	5/10/2021 08:36:56	4.7	4.8	4.9	4.7
049	5/10/2021 08:37:56	4.5	4.6	4.7	4.6
050	5/10/2021 08:38:56	3.7	4.3	4.7	3.7
051	5/10/2021 08:39:56	3.3	3.5	3.7	3.7
052	5/10/2021 08:40:56	3.5	3.8	4.0	3.5
053	5/10/2021 08:41:56	2.9	3.3	3.7	3.7
054	5/10/2021 08:42:56	0.0	1.3	3.7	0.0
055	5/10/2021 08:43:56	0.0	0.0	0.0	0.0
056	5/10/2021 08:44:56	0.0	0.0	0.0	0.0
057	5/10/2021 08:45:56	0.0	0.0	0.0	0.0
058	5/10/2021 08:46:56	0.0	0.0	0.0	0.0

059	5/10/2021 08:47:56	0.0	1.0	2.6	2.6
060	5/10/2021 08:48:56	2.6	2.9	3.2	2.9
061	5/10/2021 08:49:56	0.2	2.6	3.0	0.2
062	5/10/2021 08:50:56	0.0	0.0	0.1	0.0
063	5/10/2021 08:51:56	0.0	0.0	0.0	0.0
064	5/10/2021 08:52:56	0.0	0.0	0.0	0.0
065	5/10/2021 08:53:56	0.0	0.0	0.0	0.0
066	5/10/2021 08:54:56	0.0	0.0	0.0	0.0
067	5/10/2021 08:55:56	0.0	0.0	0.0	0.0
068	5/10/2021 08:56:56	0.0	0.0	0.0	0.0
069	5/10/2021 08:57:56	0.0	0.0	0.0	0.0
070	5/10/2021 08:58:56	0.0	0.0	0.0	0.0
071	5/10/2021 08:59:56	0.0	0.0	0.0	0.0
072	5/10/2021 09:00:56	0.0	0.0	0.0	0.0
073	5/10/2021 09:01:56	0.0	0.0	0.0	0.0
074	5/10/2021 09:02:56	0.0	0.0	0.0	0.0
075	5/10/2021 09:03:56	0.0	0.0	0.0	0.0
076	5/10/2021 09:04:56	0.0	0.0	0.0	0.0
077	5/10/2021 09:05:56	0.0	0.0	0.0	0.0
078	5/10/2021 09:06:56	0.0	0.0	0.0	0.0
079	5/10/2021 09:07:56	0.0	0.0	0.0	0.0
080	5/10/2021 09:08:56	0.0	0.0	0.0	0.0
081	5/10/2021 09:09:56	0.0	0.0	0.0	0.0
082	5/10/2021 09:10:56	0.0	0.0	0.0	0.0
083	5/10/2021 09:11:56	0.0	0.0	0.0	0.0
084	5/10/2021 09:12:56	0.0	0.0	0.0	0.0
085	5/10/2021 09:13:56	0.0	0.0	0.0	0.0
086	5/10/2021 09:14:56	0.0	0.0	0.0	0.0
087	5/10/2021 09:15:56	0.0	0.0	0.0	0.0
088	5/10/2021 09:16:56	0.0	0.0	0.0	0.0
089	5/10/2021 09:17:56	0.0	0.0	0.0	0.0
090	5/10/2021 09:18:56	0.0	0.0	0.0	0.0
091	5/10/2021 09:19:56	0.0	0.0	0.0	0.0
092	5/10/2021 09:20:56	0.0	0.0	0.0	0.0
093	5/10/2021 09:21:56	0.0	0.0	0.0	0.0
094	5/10/2021 09:22:56	0.0	0.0	0.0	0.0
095	5/10/2021 09:23:56	0.0	0.0	0.0	0.0
096	5/10/2021 09:24:56	0.0	0.0	0.0	0.0
097	5/10/2021 09:25:56	0.0	0.0	0.0	0.0
098	5/10/2021 09:26:56	0.0	0.0	0.0	0.0
099	5/10/2021 09:27:56	0.0	0.0	0.0	0.0
100	5/10/2021 09:28:56	0.0	0.0	0.0	0.0
101	5/10/2021 09:29:56	0.0	0.0	0.0	0.0
102	5/10/2021 09:30:56	0.0	0.0	0.0	0.0
103	5/10/2021 09:31:56	0.0	0.0	0.0	0.0
104	5/10/2021 09:32:56	0.0	0.0	0.0	0.0
105	5/10/2021 09:33:56	0.0	0.0	0.0	0.0
106	5/10/2021 09:34:56	0.0	0.0	0.0	0.0
107	5/10/2021 09:35:56	0.0	0.0	0.0	0.0
108	5/10/2021 09:36:56	0.0	0.0	0.0	0.0

109	5/10/2021	09:37:56	0.0	0.0	0.0	0.0
110	5/10/2021	09:38:56	0.0	0.0	0.0	0.0
111	5/10/2021	09:39:56	0.0	0.0	0.0	0.0
112	5/10/2021	09:40:56	0.0	0.0	0.0	0.0
113	5/10/2021	09:41:56	0.0	0.0	0.0	0.0
114	5/10/2021	09:42:56	0.0	0.0	0.0	0.0
115	5/10/2021	09:43:56	0.0	0.0	0.0	0.0
116	5/10/2021	09:44:56	0.0	0.0	0.0	0.0
117	5/10/2021	09:45:56	0.0	0.0	0.0	0.0
118	5/10/2021	09:46:56	0.0	0.0	0.0	0.0
119	5/10/2021	09:47:56	0.0	0.0	0.0	0.0
120	5/10/2021	09:48:56	0.0	0.0	0.0	0.0
121	5/10/2021	09:49:56	0.0	0.0	0.0	0.0
122	5/10/2021	09:50:56	0.0	0.0	0.0	0.0
123	5/10/2021	09:51:56	0.0	0.0	0.0	0.0
124	5/10/2021	09:52:56	0.0	0.0	0.0	0.0
125	5/10/2021	09:53:56	0.0	0.0	0.0	0.0
126	5/10/2021	09:54:56	0.0	0.0	0.0	0.0
127	5/10/2021	09:55:56	0.0	0.0	0.0	0.0
128	5/10/2021	09:56:56	0.0	0.0	0.0	0.0
129	5/10/2021	09:57:56	0.0	0.0	0.0	0.0
130	5/10/2021	09:58:56	0.0	0.0	0.0	0.0
131	5/10/2021	09:59:56	0.0	0.0	0.0	0.0
132	5/10/2021	10:00:56	0.0	0.0	0.0	0.0
133	5/10/2021	10:01:56	0.0	0.0	0.0	0.0
134	5/10/2021	10:02:56	0.0	0.0	0.0	0.0
135	5/10/2021	10:03:56	0.0	0.0	0.0	0.0
136	5/10/2021	10:04:56	0.0	0.0	0.0	0.0
137	5/10/2021	10:05:56	0.0	0.0	0.0	0.0
138	5/10/2021	10:06:56	0.0	0.0	0.0	0.0
139	5/10/2021	10:07:56	0.0	0.0	0.0	0.0
140	5/10/2021	10:08:56	0.0	0.0	0.0	0.0
141	5/10/2021	10:09:56	0.0	0.0	0.0	0.0
142	5/10/2021	10:10:56	0.0	0.0	0.0	0.0
143	5/10/2021	10:11:56	0.0	0.0	0.0	0.0
144	5/10/2021	10:12:56	0.0	0.0	0.0	0.0
145	5/10/2021	10:13:56	0.0	0.0	0.0	0.0
146	5/10/2021	10:14:56	0.0	0.0	0.0	0.0
147	5/10/2021	10:15:56	0.0	0.0	0.0	0.0
148	5/10/2021	10:16:56	0.0	0.0	0.0	0.0
149	5/10/2021	10:17:56	0.0	0.0	0.0	0.0
150	5/10/2021	10:18:56	0.0	0.0	0.0	0.0
151	5/10/2021	10:19:56	0.0	0.0	0.0	0.0
152	5/10/2021	10:20:56	0.0	0.0	0.0	0.0
153	5/10/2021	10:21:56	0.0	0.0	0.0	0.0
154	5/10/2021	10:22:56	0.0	0.0	0.0	0.0
155	5/10/2021	10:23:56	0.0	0.0	0.0	0.0
156	5/10/2021	10:24:56	0.0	0.0	0.0	0.0
157	5/10/2021	10:25:56	0.0	0.0	0.0	0.0
158	5/10/2021	10:26:56	0.0	0.0	0.0	0.0

159	5/10/2021	10:27:56	0.0	0.0	0.0	0.0
160	5/10/2021	10:28:56	0.0	0.0	0.0	0.0
161	5/10/2021	10:29:56	0.0	0.0	0.0	0.0
162	5/10/2021	10:30:56	0.0	0.0	0.0	0.0
163	5/10/2021	10:31:56	0.0	0.0	0.0	0.0
164	5/10/2021	10:32:56	0.0	0.0	0.0	0.0
165	5/10/2021	10:33:56	0.0	0.0	0.0	0.0
166	5/10/2021	10:34:56	0.0	0.0	0.0	0.0
167	5/10/2021	10:35:56	0.0	0.0	0.0	0.0
168	5/10/2021	10:36:56	0.0	0.0	0.0	0.0
169	5/10/2021	10:37:56	0.0	0.0	0.0	0.0
170	5/10/2021	10:38:56	0.0	0.0	0.0	0.0
171	5/10/2021	10:39:56	0.0	0.0	0.0	0.0
172	5/10/2021	10:40:56	0.0	0.0	0.0	0.0
173	5/10/2021	10:41:56	0.0	0.0	0.0	0.0
174	5/10/2021	10:42:56	0.0	0.0	0.0	0.0
175	5/10/2021	10:43:56	0.0	0.0	0.0	0.0
176	5/10/2021	10:44:56	0.0	0.0	0.0	0.0
177	5/10/2021	10:45:56	0.0	0.0	0.0	0.0
178	5/10/2021	10:46:56	0.0	0.0	0.0	0.0
179	5/10/2021	10:47:56	0.0	0.0	0.0	0.0
180	5/10/2021	10:48:56	0.0	0.0	0.0	0.0
181	5/10/2021	10:49:56	0.0	0.0	0.0	0.0
182	5/10/2021	10:50:56	0.0	0.0	0.0	0.0
183	5/10/2021	10:51:56	0.0	0.0	0.0	0.0
184	5/10/2021	10:52:56	0.0	0.0	0.0	0.0
185	5/10/2021	10:53:56	0.0	0.0	0.0	0.0
186	5/10/2021	10:54:56	0.0	0.0	0.0	0.0
187	5/10/2021	10:55:56	0.0	0.0	0.0	0.0
188	5/10/2021	10:56:56	0.0	0.0	0.0	0.0
189	5/10/2021	10:57:56	0.0	0.0	0.0	0.0
190	5/10/2021	10:58:56	0.0	0.0	0.0	0.0
191	5/10/2021	10:59:56	0.0	0.0	0.0	0.0
192	5/10/2021	11:00:56	0.0	0.0	0.0	0.0
193	5/10/2021	11:01:56	0.0	0.0	0.0	0.0
194	5/10/2021	11:02:56	0.0	0.0	0.0	0.0
195	5/10/2021	11:03:56	0.0	0.0	0.0	0.0
196	5/10/2021	11:04:56	0.0	0.0	0.0	0.0
197	5/10/2021	11:05:56	0.0	0.0	0.0	0.0
198	5/10/2021	11:06:56	0.0	0.0	0.0	0.0
199	5/10/2021	11:07:56	0.0	0.0	0.0	0.0
200	5/10/2021	11:08:56	0.0	0.0	0.0	0.0
201	5/10/2021	11:09:56	0.0	0.0	0.0	0.0
202	5/10/2021	11:10:56	0.0	0.0	0.0	0.0
203	5/10/2021	11:11:56	0.0	0.0	0.0	0.0
204	5/10/2021	11:12:56	0.0	0.0	0.0	0.0
205	5/10/2021	11:13:56	0.0	0.0	0.0	0.0
206	5/10/2021	11:14:56	0.0	0.0	0.0	0.0
207	5/10/2021	11:15:56	0.0	0.0	0.0	0.0
208	5/10/2021	11:16:56	0.0	0.0	0.0	0.0

209	5/10/2021 11:17:56	0.0	0.0	0.0	0.0
210	5/10/2021 11:18:56	0.0	0.0	0.0	0.0
211	5/10/2021 11:19:56	0.0	0.0	0.0	0.0
212	5/10/2021 11:20:56	0.0	0.0	0.0	0.0
213	5/10/2021 11:21:56	0.0	0.0	0.0	0.0
214	5/10/2021 11:22:56	0.0	0.0	0.0	0.0
215	5/10/2021 11:23:56	0.0	0.0	0.0	0.0
216	5/10/2021 11:24:56	0.0	0.0	0.0	0.0
217	5/10/2021 11:25:56	0.0	0.0	0.0	0.0
218	5/10/2021 11:26:56	0.0	0.0	0.0	0.0
219	5/10/2021 11:27:56	0.0	0.0	0.0	0.0
220	5/10/2021 11:28:56	0.0	0.0	0.0	0.0
221	5/10/2021 11:29:56	0.0	0.0	0.0	0.0
222	5/10/2021 11:30:56	0.0	0.0	0.0	0.0
223	5/10/2021 11:31:56	0.0	0.0	0.0	0.0
224	5/10/2021 11:32:56	0.0	0.0	0.0	0.0
225	5/10/2021 11:33:56	0.0	0.0	0.0	0.0
226	5/10/2021 11:34:56	0.0	0.0	0.0	0.0
227	5/10/2021 11:35:56	0.0	0.0	0.0	0.0
228	5/10/2021 11:36:56	0.0	0.0	0.0	0.0
229	5/10/2021 11:37:56	0.0	0.0	0.0	0.0
230	5/10/2021 11:38:56	0.0	0.0	0.0	0.0
231	5/10/2021 11:39:56	0.0	0.0	0.0	0.0
232	5/10/2021 11:40:56	0.0	0.0	0.0	0.0
233	5/10/2021 11:41:56	0.0	0.0	0.0	0.0
234	5/10/2021 11:42:56	0.0	0.0	0.0	0.0
235	5/10/2021 11:43:56	0.0	0.0	0.0	0.0
236	5/10/2021 11:44:56	0.0	0.0	0.0	0.0
237	5/10/2021 11:45:56	0.0	0.0	0.0	0.0
238	5/10/2021 11:46:56	0.0	0.0	0.0	0.0
239	5/10/2021 11:47:56	0.0	0.0	0.0	0.0
240	5/10/2021 11:48:56	0.0	0.0	0.0	0.0
241	5/10/2021 11:49:56	0.0	0.0	0.0	0.0
242	5/10/2021 11:50:56	0.0	0.0	0.0	0.0
243	5/10/2021 11:51:56	0.0	0.0	0.0	0.0
244	5/10/2021 11:52:56	0.0	0.0	0.0	0.0
245	5/10/2021 11:53:56	0.0	0.0	0.0	0.0
246	5/10/2021 11:54:56	0.0	0.0	0.0	0.0
247	5/10/2021 11:55:56	0.0	0.0	0.0	0.0
248	5/10/2021 11:56:56	0.0	0.0	0.0	0.0
249	5/10/2021 11:57:56	0.0	0.0	0.0	0.0
250	5/10/2021 11:58:56	0.0	0.0	0.0	0.0
251	5/10/2021 11:59:56	0.0	0.0	0.0	0.0
252	5/10/2021 12:00:56	0.0	0.0	0.0	0.0
253	5/10/2021 12:01:56	0.0	0.0	0.0	0.0
254	5/10/2021 12:02:56	0.0	0.0	0.0	0.0
255	5/10/2021 12:03:56	0.0	0.0	0.0	0.0
256	5/10/2021 12:04:56	0.0	0.0	0.0	0.0
257	5/10/2021 12:05:56	0.0	0.0	0.0	0.0
258	5/10/2021 12:06:56	0.0	0.0	0.0	0.0

259	5/10/2021 12:07:56	0.0	0.0	0.0	0.0
260	5/10/2021 12:08:56	0.0	0.0	0.0	0.0
261	5/10/2021 12:09:56	0.0	0.0	0.0	0.0
262	5/10/2021 12:10:56	0.0	0.0	0.0	0.0
263	5/10/2021 12:11:56	0.0	0.0	0.0	0.0
264	5/10/2021 12:12:56	0.0	0.0	0.0	0.0
265	5/10/2021 12:13:56	0.0	0.0	0.0	0.0
266	5/10/2021 12:14:56	0.0	0.0	0.0	0.0
267	5/10/2021 12:15:56	0.0	0.0	0.0	0.0
268	5/10/2021 12:16:56	0.0	0.0	0.0	0.0
269	5/10/2021 12:17:56	0.0	0.0	0.0	0.0
270	5/10/2021 12:18:56	0.0	0.0	0.0	0.0
271	5/10/2021 12:19:56	0.0	0.0	0.0	0.0
272	5/10/2021 12:20:56	0.0	0.0	0.0	0.0
273	5/10/2021 12:21:56	0.0	0.0	0.0	0.0
274	5/10/2021 12:22:56	0.0	0.0	0.0	0.0
275	5/10/2021 12:23:56	0.0	0.0	0.0	0.0
276	5/10/2021 12:24:56	0.0	0.0	0.0	0.0
277	5/10/2021 12:25:56	0.0	0.0	0.0	0.0
278	5/10/2021 12:26:56	0.0	0.0	0.0	0.0
279	5/10/2021 12:27:56	0.0	0.0	0.0	0.0
280	5/10/2021 12:28:56	0.0	0.0	0.0	0.0
281	5/10/2021 12:29:56	0.0	0.0	0.0	0.0
282	5/10/2021 12:30:56	0.0	0.0	0.0	0.0
283	5/10/2021 12:31:56	0.0	0.0	0.0	0.0
284	5/10/2021 12:32:56	0.0	0.0	0.0	0.0
285	5/10/2021 12:33:56	0.0	0.0	0.0	0.0
286	5/10/2021 12:34:56	0.0	0.0	0.0	0.0
287	5/10/2021 12:35:56	0.0	0.0	0.0	0.0
288	5/10/2021 12:36:56	0.0	0.0	0.0	0.0
289	5/10/2021 12:37:56	0.0	0.0	0.0	0.0
290	5/10/2021 12:38:56	0.0	0.0	0.0	0.0
291	5/10/2021 12:39:56	0.0	0.0	0.0	0.0
292	5/10/2021 12:40:56	0.0	0.0	0.0	0.0
293	5/10/2021 12:41:56	0.0	0.0	0.0	0.0
294	5/10/2021 12:42:56	0.0	0.0	0.0	0.0
295	5/10/2021 12:43:56	0.0	0.0	0.0	0.0
296	5/10/2021 12:44:56	0.0	0.0	0.0	0.0
297	5/10/2021 12:45:56	0.0	0.0	0.0	0.0
298	5/10/2021 12:46:56	0.0	0.0	0.0	0.0
299	5/10/2021 12:47:56	0.0	0.0	0.0	0.0
300	5/10/2021 12:48:56	0.0	0.0	0.0	0.0
301	5/10/2021 12:49:56	0.0	0.0	0.0	0.0
302	5/10/2021 12:50:56	0.0	0.0	0.0	0.0
303	5/10/2021 12:51:56	0.0	0.0	0.0	0.0
304	5/10/2021 12:52:56	0.0	0.0	0.0	0.0
305	5/10/2021 12:53:56	0.0	0.0	0.0	0.0
306	5/10/2021 12:54:56	0.0	0.0	0.0	0.0
307	5/10/2021 12:55:56	0.0	0.0	0.0	0.0
308	5/10/2021 12:56:56	0.0	0.0	0.0	0.0

309	5/10/2021 12:57:56	0.0	0.0	0.0	0.0
310	5/10/2021 12:58:56	0.0	0.0	0.0	0.0
311	5/10/2021 12:59:56	0.0	0.0	0.0	0.0
312	5/10/2021 13:00:56	0.0	0.0	0.0	0.0
313	5/10/2021 13:01:56	0.0	0.0	0.0	0.0
314	5/10/2021 13:02:56	0.0	0.0	0.0	0.0
315	5/10/2021 13:03:56	0.0	0.0	0.0	0.0
316	5/10/2021 13:04:56	0.0	0.0	0.0	0.0
317	5/10/2021 13:05:56	0.0	0.0	0.0	0.0
318	5/10/2021 13:06:56	0.0	0.0	0.0	0.0
319	5/10/2021 13:07:56	0.0	0.0	0.0	0.0
320	5/10/2021 13:08:56	0.0	0.0	0.0	0.0
321	5/10/2021 13:09:56	0.0	0.0	0.0	0.0
322	5/10/2021 13:10:56	0.0	0.0	0.0	0.0
323	5/10/2021 13:11:56	0.0	0.0	0.0	0.0
324	5/10/2021 13:12:56	0.0	0.0	0.0	0.0
325	5/10/2021 13:13:56	0.0	0.0	0.0	0.0
326	5/10/2021 13:14:56	0.0	0.0	0.0	0.0
327	5/10/2021 13:15:56	0.0	0.0	0.0	0.0
328	5/10/2021 13:16:56	0.0	0.0	0.0	0.0
329	5/10/2021 13:17:56	0.0	0.0	0.0	0.0
330	5/10/2021 13:18:56	0.0	0.0	0.0	0.0
331	5/10/2021 13:19:56	0.0	0.0	0.0	0.0
332	5/10/2021 13:20:56	0.0	0.0	0.0	0.0
333	5/10/2021 13:21:56	0.0	0.0	0.0	0.0
334	5/10/2021 13:22:56	0.0	0.0	0.0	0.0
335	5/10/2021 13:23:56	0.0	0.0	0.0	0.0
336	5/10/2021 13:24:56	0.0	0.0	0.0	0.0
337	5/10/2021 13:25:56	0.0	0.0	0.0	0.0
338	5/10/2021 13:26:56	0.0	0.0	0.0	0.0
339	5/10/2021 13:27:56	0.0	0.0	0.0	0.0
340	5/10/2021 13:28:56	0.0	0.0	0.0	0.0
341	5/10/2021 13:29:56	0.0	0.0	0.0	0.0
342	5/10/2021 13:30:56	0.0	0.0	0.0	0.0
343	5/10/2021 13:31:56	0.0	0.0	0.0	0.0
344	5/10/2021 13:32:56	0.0	0.0	0.0	0.0
345	5/10/2021 13:33:56	0.0	0.0	0.0	0.0
346	5/10/2021 13:34:56	0.0	0.0	0.0	0.0
347	5/10/2021 13:35:56	0.0	0.0	0.0	0.0
348	5/10/2021 13:36:56	0.0	0.0	0.0	0.0
349	5/10/2021 13:37:56	0.0	0.0	0.0	0.0
350	5/10/2021 13:38:56	0.0	0.0	0.0	0.0
351	5/10/2021 13:39:56	0.0	0.0	0.0	0.0
352	5/10/2021 13:40:56	0.0	0.0	0.0	0.0
353	5/10/2021 13:41:56	0.0	0.0	0.0	0.0
354	5/10/2021 13:42:56	0.0	0.0	0.0	0.0
355	5/10/2021 13:43:56	0.0	0.0	0.0	0.0
356	5/10/2021 13:44:56	0.0	0.0	0.0	0.0
357	5/10/2021 13:45:56	0.0	0.0	0.0	0.0
358	5/10/2021 13:46:56	0.0	0.0	0.0	0.0

359	5/10/2021	13:47:56	0.0	0.0	0.0	0.0
360	5/10/2021	13:48:56	0.0	0.0	0.0	0.0
361	5/10/2021	13:49:56	0.0	0.0	0.0	0.0
362	5/10/2021	13:50:56	0.0	0.0	0.0	0.0
363	5/10/2021	13:51:56	0.0	0.0	0.0	0.0
364	5/10/2021	13:52:56	0.0	0.0	0.0	0.0
365	5/10/2021	13:53:56	0.0	0.0	0.0	0.0
366	5/10/2021	13:54:56	0.0	0.0	0.0	0.0
367	5/10/2021	13:55:56	0.0	0.0	0.0	0.0
368	5/10/2021	13:56:56	0.0	0.0	0.0	0.0
369	5/10/2021	13:57:56	0.0	0.0	0.0	0.0
370	5/10/2021	13:58:56	0.0	0.0	0.0	0.0
371	5/10/2021	13:59:56	0.0	0.0	0.0	0.0
372	5/10/2021	14:00:56	0.0	0.0	0.0	0.0
373	5/10/2021	14:01:56	0.0	0.0	0.0	0.0
374	5/10/2021	14:02:56	0.0	0.0	0.0	0.0
375	5/10/2021	14:03:56	0.0	0.0	0.0	0.0
376	5/10/2021	14:04:56	0.0	0.0	0.0	0.0
377	5/10/2021	14:05:56	0.0	0.0	0.0	0.0
378	5/10/2021	14:06:56	0.0	0.0	0.0	0.0
379	5/10/2021	14:07:56	0.0	0.0	0.0	0.0
380	5/10/2021	14:08:56	0.0	0.0	0.0	0.0
381	5/10/2021	14:09:56	0.0	0.0	0.0	0.0
382	5/10/2021	14:10:56	0.0	0.0	0.0	0.0
383	5/10/2021	14:11:56	0.0	0.0	0.0	0.0
384	5/10/2021	14:12:56	0.0	0.0	0.0	0.0
385	5/10/2021	14:13:56	0.0	0.0	0.0	0.0
386	5/10/2021	14:14:56	0.0	0.0	0.0	0.0
387	5/10/2021	14:15:56	0.0	0.0	0.0	0.0
388	5/10/2021	14:16:56	0.0	0.0	0.0	0.0
389	5/10/2021	14:17:56	0.0	0.0	0.0	0.0
390	5/10/2021	14:18:56	0.0	0.0	0.0	0.0
391	5/10/2021	14:19:56	0.0	0.0	0.0	0.0
392	5/10/2021	14:20:56	0.0	0.0	0.0	0.0
393	5/10/2021	14:21:56	0.0	0.0	0.0	0.0
394	5/10/2021	14:22:56	0.0	0.0	0.0	0.0
395	5/10/2021	14:23:56	0.0	0.0	0.0	0.0
396	5/10/2021	14:24:56	0.0	0.0	0.0	0.0
397	5/10/2021	14:25:56	0.0	0.0	0.0	0.0
398	5/10/2021	14:26:56	0.0	0.0	0.0	0.0
399	5/10/2021	14:27:56	0.0	0.0	0.0	0.0
400	5/10/2021	14:28:56	0.0	0.0	0.0	0.0
401	5/10/2021	14:29:56	0.0	0.0	0.0	0.0
402	5/10/2021	14:30:56	0.0	0.0	0.0	0.0
403	5/10/2021	14:31:56	0.0	0.0	0.0	0.0
404	5/10/2021	14:32:56	0.0	0.0	0.0	0.0
405	5/10/2021	14:33:56	0.0	0.0	0.0	0.0
406	5/10/2021	14:34:56	0.0	0.0	0.0	0.0
407	5/10/2021	14:35:56	0.0	0.0	0.0	0.0
408	5/10/2021	14:36:56	0.0	0.0	0.0	0.0

409	5/10/2021 14:37:56	0.0	0.0	0.0	0.0
410	5/10/2021 14:38:56	0.0	0.0	0.0	0.0
411	5/10/2021 14:39:56	0.0	0.0	0.0	0.0
412	5/10/2021 14:40:56	0.0	0.0	0.0	0.0
413	5/10/2021 14:41:56	0.0	0.0	0.0	0.0
414	5/10/2021 14:42:56	0.0	0.0	0.0	0.0
415	5/10/2021 14:43:56	0.0	0.0	0.0	0.0
416	5/10/2021 14:44:56	0.0	0.0	0.0	0.0
417	5/10/2021 14:45:56	0.0	0.0	0.0	0.0
418	5/10/2021 14:46:56	0.0	0.0	0.0	0.0
419	5/10/2021 14:47:56	0.0	0.0	0.0	0.0
420	5/10/2021 14:48:56	0.0	0.0	0.0	0.0
421	5/10/2021 14:49:56	0.0	0.0	0.0	0.0
422	5/10/2021 14:50:56	0.0	0.0	0.0	0.0
423	5/10/2021 14:51:56	0.0	0.0	0.0	0.0
424	5/10/2021 14:52:56	0.0	0.0	0.0	0.0
425	5/10/2021 14:53:56	0.0	0.0	0.0	0.0
426	5/10/2021 14:54:56	0.0	0.0	0.0	0.0
427	5/10/2021 14:55:56	0.0	0.0	0.0	0.0
428	5/10/2021 14:56:56	0.0	0.0	0.0	0.0
429	5/10/2021 14:57:56	0.0	0.0	0.0	0.0
430	5/10/2021 14:58:56	0.0	0.0	0.0	0.0
431	5/10/2021 14:59:56	0.0	0.0	0.0	0.0
432	5/10/2021 15:00:56	0.0	0.0	0.0	0.0
433	5/10/2021 15:01:56	0.0	0.0	0.0	0.0
434	5/10/2021 15:02:56	0.0	0.0	0.0	0.0
435	5/10/2021 15:03:56	0.0	0.0	0.0	0.0
436	5/10/2021 15:04:56	0.0	0.0	0.0	0.0
437	5/10/2021 15:05:56	0.0	0.0	0.0	0.0
438	5/10/2021 15:06:56	0.0	0.0	0.0	0.0
439	5/10/2021 15:07:56	0.0	0.0	0.0	0.0
440	5/10/2021 15:08:56	0.0	0.0	0.0	0.0
441	5/10/2021 15:09:56	0.0	0.0	0.0	0.0
442	5/10/2021 15:10:56	0.0	0.0	0.0	0.0
443	5/10/2021 15:11:56	0.0	0.0	0.0	0.0
444	5/10/2021 15:12:56	0.0	0.0	0.0	0.0
445	5/10/2021 15:13:56	0.0	0.0	0.0	0.0
446	5/10/2021 15:14:56	0.0	0.0	0.0	0.0
447	5/10/2021 15:15:56	0.0	0.0	0.0	0.0
448	5/10/2021 15:16:56	0.0	0.0	0.0	0.0
449	5/10/2021 15:17:56	0.0	0.0	0.0	0.0
450	5/10/2021 15:18:56	0.0	0.0	0.0	0.0
451	5/10/2021 15:19:56	0.0	0.0	0.0	0.0
452	5/10/2021 15:20:56	0.0	0.0	0.0	0.0
453	5/10/2021 15:21:56	0.0	0.0	0.0	0.0
Peak	5.7	6.2	6.8	6.7	
Min	0.0	0.0	0.0	0.0	
Average	0.2	0.2	0.3	0.2	

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
001	5/10/2021	07:49:56	0.0	---
002	5/10/2021	07:50:56	0.0	---
003	5/10/2021	07:51:56	0.0	---
004	5/10/2021	07:52:56	0.0	---
005	5/10/2021	07:53:56	0.0	---
006	5/10/2021	07:54:56	0.0	---
007	5/10/2021	07:55:56	0.0	---
008	5/10/2021	07:56:56	0.0	---
009	5/10/2021	07:57:56	0.0	---
010	5/10/2021	07:58:56	0.0	---
011	5/10/2021	07:59:56	0.0	---
012	5/10/2021	08:00:56	0.0	---
013	5/10/2021	08:01:56	0.0	---
014	5/10/2021	08:02:56	0.0	---
015	5/10/2021	08:03:56	0.0	0.0
016	5/10/2021	08:04:56	0.0	0.0
017	5/10/2021	08:05:56	0.0	0.0
018	5/10/2021	08:06:56	0.0	0.0
019	5/10/2021	08:07:56	0.0	0.0
020	5/10/2021	08:08:56	0.0	0.0
021	5/10/2021	08:09:56	0.0	0.0
022	5/10/2021	08:10:56	0.0	0.0
023	5/10/2021	08:11:56	0.0	0.0
024	5/10/2021	08:12:56	0.0	0.0
025	5/10/2021	08:13:56	0.0	0.0
026	5/10/2021	08:14:56	0.0	0.0
027	5/10/2021	08:15:56	0.0	0.0
028	5/10/2021	08:16:56	0.0	0.0
029	5/10/2021	08:17:56	0.0	0.0
030	5/10/2021	08:18:56	0.0	0.0
031	5/10/2021	08:19:56	0.0	0.0
032	5/10/2021	08:20:56	0.0	0.1
033	5/10/2021	08:21:56	0.0	0.2
034	5/10/2021	08:22:56	0.0	0.4
035	5/10/2021	08:23:56	0.0	0.6
036	5/10/2021	08:24:56	0.0	0.9
037	5/10/2021	08:25:56	0.0	1.2
038	5/10/2021	08:26:56	0.0	1.5
039	5/10/2021	08:27:56	0.1	2.0
040	5/10/2021	08:28:56	0.1	2.4
041	5/10/2021	08:29:56	0.1	2.8
042	5/10/2021	08:30:56	0.1	3.2
043	5/10/2021	08:31:56	0.1	3.6
044	5/10/2021	08:32:56	0.1	4.0
045	5/10/2021	08:33:56	0.1	4.3
046	5/10/2021	08:34:56	0.1	4.6
047	5/10/2021	08:35:56	0.2	4.9

048	5/10/2021 08:36:56	0.2	5.1
049	5/10/2021 08:37:56	0.2	5.2
050	5/10/2021 08:38:56	0.2	5.2
051	5/10/2021 08:39:56	0.2	5.2
052	5/10/2021 08:40:56	0.2	5.1
053	5/10/2021 08:41:56	0.2	5.1
054	5/10/2021 08:42:56	0.2	4.6
055	5/10/2021 08:43:56	0.2	4.2
056	5/10/2021 08:44:56	0.2	3.8
057	5/10/2021 08:45:56	0.2	3.4
058	5/10/2021 08:46:56	0.2	3.0
059	5/10/2021 08:47:56	0.2	2.8
060	5/10/2021 08:48:56	0.2	2.6
061	5/10/2021 08:49:56	0.2	2.3
062	5/10/2021 08:50:56	0.2	2.0
063	5/10/2021 08:51:56	0.2	1.7
064	5/10/2021 08:52:56	0.2	1.4
065	5/10/2021 08:53:56	0.2	1.1
066	5/10/2021 08:54:56	0.2	0.9
067	5/10/2021 08:55:56	0.2	0.6
068	5/10/2021 08:56:56	0.2	0.4
069	5/10/2021 08:57:56	0.2	0.4
070	5/10/2021 08:58:56	0.2	0.4
071	5/10/2021 08:59:56	0.2	0.4
072	5/10/2021 09:00:56	0.2	0.4
073	5/10/2021 09:01:56	0.2	0.4
074	5/10/2021 09:02:56	0.2	0.2
075	5/10/2021 09:03:56	0.2	0.0
076	5/10/2021 09:04:56	0.2	0.0
077	5/10/2021 09:05:56	0.2	0.0
078	5/10/2021 09:06:56	0.2	0.0
079	5/10/2021 09:07:56	0.2	0.0
080	5/10/2021 09:08:56	0.2	0.0
081	5/10/2021 09:09:56	0.2	0.0
082	5/10/2021 09:10:56	0.2	0.0
083	5/10/2021 09:11:56	0.2	0.0
084	5/10/2021 09:12:56	0.2	0.0
085	5/10/2021 09:13:56	0.2	0.0
086	5/10/2021 09:14:56	0.2	0.0
087	5/10/2021 09:15:56	0.2	0.0
088	5/10/2021 09:16:56	0.2	0.0
089	5/10/2021 09:17:56	0.2	0.0
090	5/10/2021 09:18:56	0.2	0.0
091	5/10/2021 09:19:56	0.2	0.0
092	5/10/2021 09:20:56	0.2	0.0
093	5/10/2021 09:21:56	0.2	0.0
094	5/10/2021 09:22:56	0.2	0.0
095	5/10/2021 09:23:56	0.2	0.0
096	5/10/2021 09:24:56	0.2	0.0
097	5/10/2021 09:25:56	0.2	0.0

098	5/10/2021 09:26:56	0.2	0.0
099	5/10/2021 09:27:56	0.2	0.0
100	5/10/2021 09:28:56	0.2	0.0
101	5/10/2021 09:29:56	0.2	0.0
102	5/10/2021 09:30:56	0.2	0.0
103	5/10/2021 09:31:56	0.2	0.0
104	5/10/2021 09:32:56	0.2	0.0
105	5/10/2021 09:33:56	0.2	0.0
106	5/10/2021 09:34:56	0.2	0.0
107	5/10/2021 09:35:56	0.2	0.0
108	5/10/2021 09:36:56	0.2	0.0
109	5/10/2021 09:37:56	0.2	0.0
110	5/10/2021 09:38:56	0.2	0.0
111	5/10/2021 09:39:56	0.2	0.0
112	5/10/2021 09:40:56	0.2	0.0
113	5/10/2021 09:41:56	0.2	0.0
114	5/10/2021 09:42:56	0.2	0.0
115	5/10/2021 09:43:56	0.2	0.0
116	5/10/2021 09:44:56	0.2	0.0
117	5/10/2021 09:45:56	0.2	0.0
118	5/10/2021 09:46:56	0.2	0.0
119	5/10/2021 09:47:56	0.2	0.0
120	5/10/2021 09:48:56	0.2	0.0
121	5/10/2021 09:49:56	0.2	0.0
122	5/10/2021 09:50:56	0.2	0.0
123	5/10/2021 09:51:56	0.2	0.0
124	5/10/2021 09:52:56	0.2	0.0
125	5/10/2021 09:53:56	0.2	0.0
126	5/10/2021 09:54:56	0.2	0.0
127	5/10/2021 09:55:56	0.2	0.0
128	5/10/2021 09:56:56	0.2	0.0
129	5/10/2021 09:57:56	0.2	0.0
130	5/10/2021 09:58:56	0.2	0.0
131	5/10/2021 09:59:56	0.2	0.0
132	5/10/2021 10:00:56	0.2	0.0
133	5/10/2021 10:01:56	0.2	0.0
134	5/10/2021 10:02:56	0.2	0.0
135	5/10/2021 10:03:56	0.2	0.0
136	5/10/2021 10:04:56	0.2	0.0
137	5/10/2021 10:05:56	0.2	0.0
138	5/10/2021 10:06:56	0.2	0.0
139	5/10/2021 10:07:56	0.2	0.0
140	5/10/2021 10:08:56	0.2	0.0
141	5/10/2021 10:09:56	0.2	0.0
142	5/10/2021 10:10:56	0.2	0.0
143	5/10/2021 10:11:56	0.2	0.0
144	5/10/2021 10:12:56	0.2	0.0
145	5/10/2021 10:13:56	0.2	0.0
146	5/10/2021 10:14:56	0.2	0.0
147	5/10/2021 10:15:56	0.2	0.0

148	5/10/2021 10:16:56	0.2	0.0
149	5/10/2021 10:17:56	0.2	0.0
150	5/10/2021 10:18:56	0.2	0.0
151	5/10/2021 10:19:56	0.2	0.0
152	5/10/2021 10:20:56	0.2	0.0
153	5/10/2021 10:21:56	0.2	0.0
154	5/10/2021 10:22:56	0.2	0.0
155	5/10/2021 10:23:56	0.2	0.0
156	5/10/2021 10:24:56	0.2	0.0
157	5/10/2021 10:25:56	0.2	0.0
158	5/10/2021 10:26:56	0.2	0.0
159	5/10/2021 10:27:56	0.2	0.0
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161	5/10/2021 10:29:56	0.2	0.0
162	5/10/2021 10:30:56	0.2	0.0
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164	5/10/2021 10:32:56	0.2	0.0
165	5/10/2021 10:33:56	0.2	0.0
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167	5/10/2021 10:35:56	0.2	0.0
168	5/10/2021 10:36:56	0.2	0.0
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179	5/10/2021 10:47:56	0.2	0.0
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189	5/10/2021 10:57:56	0.2	0.0
190	5/10/2021 10:58:56	0.2	0.0
191	5/10/2021 10:59:56	0.2	0.0
192	5/10/2021 11:00:56	0.2	0.0
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194	5/10/2021 11:02:56	0.2	0.0
195	5/10/2021 11:03:56	0.2	0.0
196	5/10/2021 11:04:56	0.2	0.0
197	5/10/2021 11:05:56	0.2	0.0

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199	5/10/2021 11:07:56	0.2	0.0
200	5/10/2021 11:08:56	0.2	0.0
201	5/10/2021 11:09:56	0.2	0.0
202	5/10/2021 11:10:56	0.2	0.0
203	5/10/2021 11:11:56	0.2	0.0
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208	5/10/2021 11:16:56	0.2	0.0
209	5/10/2021 11:17:56	0.2	0.0
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211	5/10/2021 11:19:56	0.2	0.0
212	5/10/2021 11:20:56	0.2	0.0
213	5/10/2021 11:21:56	0.2	0.0
214	5/10/2021 11:22:56	0.2	0.0
215	5/10/2021 11:23:56	0.2	0.0
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220	5/10/2021 11:28:56	0.2	0.0
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223	5/10/2021 11:31:56	0.2	0.0
224	5/10/2021 11:32:56	0.2	0.0
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229	5/10/2021 11:37:56	0.2	0.0
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232	5/10/2021 11:40:56	0.2	0.0
233	5/10/2021 11:41:56	0.2	0.0
234	5/10/2021 11:42:56	0.2	0.0
235	5/10/2021 11:43:56	0.2	0.0
236	5/10/2021 11:44:56	0.2	0.0
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238	5/10/2021 11:46:56	0.2	0.0
239	5/10/2021 11:47:56	0.2	0.0
240	5/10/2021 11:48:56	0.2	0.0
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250	5/10/2021 11:58:56	0.2	0.0
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254	5/10/2021 12:02:56	0.2	0.0
255	5/10/2021 12:03:56	0.2	0.0
256	5/10/2021 12:04:56	0.2	0.0
257	5/10/2021 12:05:56	0.2	0.0
258	5/10/2021 12:06:56	0.2	0.0
259	5/10/2021 12:07:56	0.2	0.0
260	5/10/2021 12:08:56	0.2	0.0
261	5/10/2021 12:09:56	0.2	0.0
262	5/10/2021 12:10:56	0.2	0.0
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265	5/10/2021 12:13:56	0.2	0.0
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268	5/10/2021 12:16:56	0.2	0.0
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271	5/10/2021 12:19:56	0.2	0.0
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276	5/10/2021 12:24:56	0.2	0.0
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282	5/10/2021 12:30:56	0.2	0.0
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288	5/10/2021 12:36:56	0.2	0.0
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290	5/10/2021 12:38:56	0.2	0.0
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300	5/10/2021 12:48:56	0.2	0.0
301	5/10/2021 12:49:56	0.2	0.0
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303	5/10/2021 12:51:56	0.2	0.0
304	5/10/2021 12:52:56	0.2	0.0
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308	5/10/2021 12:56:56	0.2	0.0
309	5/10/2021 12:57:56	0.2	0.0
310	5/10/2021 12:58:56	0.2	0.0
311	5/10/2021 12:59:56	0.2	0.0
312	5/10/2021 13:00:56	0.2	0.0
313	5/10/2021 13:01:56	0.2	0.0
314	5/10/2021 13:02:56	0.2	0.0
315	5/10/2021 13:03:56	0.2	0.0
316	5/10/2021 13:04:56	0.2	0.0
317	5/10/2021 13:05:56	0.2	0.0
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321	5/10/2021 13:09:56	0.2	0.0
322	5/10/2021 13:10:56	0.2	0.0
323	5/10/2021 13:11:56	0.2	0.0
324	5/10/2021 13:12:56	0.2	0.0
325	5/10/2021 13:13:56	0.2	0.0
326	5/10/2021 13:14:56	0.2	0.0
327	5/10/2021 13:15:56	0.2	0.0
328	5/10/2021 13:16:56	0.2	0.0
329	5/10/2021 13:17:56	0.2	0.0
330	5/10/2021 13:18:56	0.2	0.0
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332	5/10/2021 13:20:56	0.2	0.0
333	5/10/2021 13:21:56	0.2	0.0
334	5/10/2021 13:22:56	0.2	0.0
335	5/10/2021 13:23:56	0.2	0.0
336	5/10/2021 13:24:56	0.2	0.0
337	5/10/2021 13:25:56	0.2	0.0
338	5/10/2021 13:26:56	0.2	0.0
339	5/10/2021 13:27:56	0.2	0.0
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341	5/10/2021 13:29:56	0.2	0.0
342	5/10/2021 13:30:56	0.2	0.0
343	5/10/2021 13:31:56	0.2	0.0
344	5/10/2021 13:32:56	0.2	0.0
345	5/10/2021 13:33:56	0.2	0.0
346	5/10/2021 13:34:56	0.2	0.0
347	5/10/2021 13:35:56	0.2	0.0

348	5/10/2021 13:36:56	0.2	0.0
349	5/10/2021 13:37:56	0.2	0.0
350	5/10/2021 13:38:56	0.2	0.0
351	5/10/2021 13:39:56	0.2	0.0
352	5/10/2021 13:40:56	0.2	0.0
353	5/10/2021 13:41:56	0.2	0.0
354	5/10/2021 13:42:56	0.2	0.0
355	5/10/2021 13:43:56	0.2	0.0
356	5/10/2021 13:44:56	0.2	0.0
357	5/10/2021 13:45:56	0.2	0.0
358	5/10/2021 13:46:56	0.2	0.0
359	5/10/2021 13:47:56	0.2	0.0
360	5/10/2021 13:48:56	0.2	0.0
361	5/10/2021 13:49:56	0.2	0.0
362	5/10/2021 13:50:56	0.2	0.0
363	5/10/2021 13:51:56	0.2	0.0
364	5/10/2021 13:52:56	0.2	0.0
365	5/10/2021 13:53:56	0.2	0.0
366	5/10/2021 13:54:56	0.2	0.0
367	5/10/2021 13:55:56	0.2	0.0
368	5/10/2021 13:56:56	0.2	0.0
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370	5/10/2021 13:58:56	0.2	0.0
371	5/10/2021 13:59:56	0.2	0.0
372	5/10/2021 14:00:56	0.2	0.0
373	5/10/2021 14:01:56	0.2	0.0
374	5/10/2021 14:02:56	0.2	0.0
375	5/10/2021 14:03:56	0.2	0.0
376	5/10/2021 14:04:56	0.2	0.0
377	5/10/2021 14:05:56	0.2	0.0
378	5/10/2021 14:06:56	0.2	0.0
379	5/10/2021 14:07:56	0.2	0.0
380	5/10/2021 14:08:56	0.2	0.0
381	5/10/2021 14:09:56	0.2	0.0
382	5/10/2021 14:10:56	0.2	0.0
383	5/10/2021 14:11:56	0.2	0.0
384	5/10/2021 14:12:56	0.2	0.0
385	5/10/2021 14:13:56	0.2	0.0
386	5/10/2021 14:14:56	0.2	0.0
387	5/10/2021 14:15:56	0.2	0.0
388	5/10/2021 14:16:56	0.2	0.0
389	5/10/2021 14:17:56	0.2	0.0
390	5/10/2021 14:18:56	0.2	0.0
391	5/10/2021 14:19:56	0.2	0.0
392	5/10/2021 14:20:56	0.2	0.0
393	5/10/2021 14:21:56	0.2	0.0
394	5/10/2021 14:22:56	0.2	0.0
395	5/10/2021 14:23:56	0.2	0.0
396	5/10/2021 14:24:56	0.2	0.0
397	5/10/2021 14:25:56	0.2	0.0

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400	5/10/2021 14:28:56	0.2	0.0
401	5/10/2021 14:29:56	0.2	0.0
402	5/10/2021 14:30:56	0.2	0.0
403	5/10/2021 14:31:56	0.2	0.0
404	5/10/2021 14:32:56	0.2	0.0
405	5/10/2021 14:33:56	0.2	0.0
406	5/10/2021 14:34:56	0.2	0.0
407	5/10/2021 14:35:56	0.2	0.0
408	5/10/2021 14:36:56	0.2	0.0
409	5/10/2021 14:37:56	0.2	0.0
410	5/10/2021 14:38:56	0.2	0.0
411	5/10/2021 14:39:56	0.2	0.0
412	5/10/2021 14:40:56	0.2	0.0
413	5/10/2021 14:41:56	0.2	0.0
414	5/10/2021 14:42:56	0.2	0.0
415	5/10/2021 14:43:56	0.2	0.0
416	5/10/2021 14:44:56	0.2	0.0
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418	5/10/2021 14:46:56	0.2	0.0
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420	5/10/2021 14:48:56	0.2	0.0
421	5/10/2021 14:49:56	0.2	0.0
422	5/10/2021 14:50:56	0.2	0.0
423	5/10/2021 14:51:56	0.2	0.0
424	5/10/2021 14:52:56	0.2	0.0
425	5/10/2021 14:53:56	0.2	0.0
426	5/10/2021 14:54:56	0.2	0.0
427	5/10/2021 14:55:56	0.2	0.0
428	5/10/2021 14:56:56	0.2	0.0
429	5/10/2021 14:57:56	0.2	0.0
430	5/10/2021 14:58:56	0.2	0.0
431	5/10/2021 14:59:56	0.2	0.0
432	5/10/2021 15:00:56	0.2	0.0
433	5/10/2021 15:01:56	0.2	0.0
434	5/10/2021 15:02:56	0.2	0.0
435	5/10/2021 15:03:56	0.2	0.0
436	5/10/2021 15:04:56	0.2	0.0
437	5/10/2021 15:05:56	0.2	0.0
438	5/10/2021 15:06:56	0.2	0.0
439	5/10/2021 15:07:56	0.2	0.0
440	5/10/2021 15:08:56	0.2	0.0
441	5/10/2021 15:09:56	0.2	0.0
442	5/10/2021 15:10:56	0.2	0.0
443	5/10/2021 15:11:56	0.2	0.0
444	5/10/2021 15:12:56	0.2	0.0
445	5/10/2021 15:13:56	0.2	0.0
446	5/10/2021 15:14:56	0.2	0.0
447	5/10/2021 15:15:56	0.2	0.0

448	5/10/2021 15:16:56	0.2	0.0
449	5/10/2021 15:17:56	0.2	0.0
450	5/10/2021 15:18:56	0.2	0.0
451	5/10/2021 15:19:56	0.2	0.0
452	5/10/2021 15:20:56	0.2	0.0
453	5/10/2021 15:21:56	0.2	0.0

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21/05/11 07:41
****
Summary

Unit Name MiniRAE 3000 +(PGM-7320)
Unit SN 592-928270
Unit Firmware Ver V2.20A

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

Site ID RAE00000
User ID USER0000

Begin 5/11/2021 07:41:39
End 5/11/2021 14:58:11
Sample Period(s) 60
Number of Records 436

Sensor PID(ppm)
Sensor SN S023030018W6
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 5/11/2021 07:40
Peak 0.4
Min 0.0
Average 0.0

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	5/11/2021 07:42:39	0.0	0.1	0.2	0.2
002	5/11/2021 07:43:39	0.0	0.1	0.2	0.1
003	5/11/2021 07:44:39	0.1	0.1	0.2	0.2
004	5/11/2021 07:45:39	0.1	0.2	0.2	0.1
005	5/11/2021 07:46:39	0.0	0.1	0.1	0.0
006	5/11/2021 07:47:39	0.0	0.0	0.1	0.0
007	5/11/2021 07:48:39	0.0	0.0	0.0	0.0
008	5/11/2021 07:49:39	0.0	0.0	0.0	0.0

009	5/11/2021 07:50:39	0.0	0.0	0.0	0.0
010	5/11/2021 07:51:39	0.0	0.0	0.0	0.0
011	5/11/2021 07:52:39	0.0	0.0	0.1	0.1
012	5/11/2021 07:53:39	0.0	0.0	0.1	0.0
013	5/11/2021 07:54:39	0.0	0.0	0.0	0.0
014	5/11/2021 07:55:39	0.0	0.0	0.1	0.1
015	5/11/2021 07:56:39	0.0	0.1	0.3	0.0
016	5/11/2021 07:57:39	0.0	0.0	0.0	0.0
017	5/11/2021 07:58:39	0.0	0.0	0.0	0.0
018	5/11/2021 07:59:39	0.0	0.0	0.0	0.0
019	5/11/2021 08:00:39	0.0	0.0	0.0	0.0
020	5/11/2021 08:01:39	0.0	0.0	0.1	0.1
021	5/11/2021 08:02:39	0.0	0.1	0.1	0.0
022	5/11/2021 08:03:39	0.0	0.0	0.1	0.0
023	5/11/2021 08:04:39	0.0	0.0	0.0	0.0
024	5/11/2021 08:05:39	0.0	0.1	0.1	0.1
025	5/11/2021 08:06:39	0.0	0.1	0.1	0.0
026	5/11/2021 08:07:39	0.0	0.0	0.0	0.0
027	5/11/2021 08:08:39	0.0	0.0	0.0	0.0
028	5/11/2021 08:09:39	0.0	0.0	0.0	0.0
029	5/11/2021 08:10:39	0.0	0.0	0.0	0.0
030	5/11/2021 08:11:39	0.0	0.0	0.1	0.0
031	5/11/2021 08:12:39	0.0	0.0	0.0	0.0
032	5/11/2021 08:13:39	0.0	0.0	0.0	0.0
033	5/11/2021 08:14:39	0.0	0.0	0.0	0.0
034	5/11/2021 08:15:39	0.0	0.0	0.0	0.0
035	5/11/2021 08:16:39	0.0	0.0	0.0	0.0
036	5/11/2021 08:17:39	0.0	0.0	0.0	0.0
037	5/11/2021 08:18:39	0.0	0.0	0.0	0.0
038	5/11/2021 08:19:39	0.0	0.0	0.0	0.0
039	5/11/2021 08:20:39	0.0	0.0	0.0	0.0
040	5/11/2021 08:21:39	0.0	0.0	0.0	0.0
041	5/11/2021 08:22:39	0.0	0.0	0.0	0.0
042	5/11/2021 08:23:39	0.0	0.0	0.1	0.0
043	5/11/2021 08:24:39	0.0	0.0	0.1	0.1
044	5/11/2021 08:25:39	0.0	0.0	0.1	0.0
045	5/11/2021 08:26:39	0.0	0.0	0.0	0.0
046	5/11/2021 08:27:39	0.0	0.0	0.0	0.0
047	5/11/2021 08:28:39	0.0	0.0	0.0	0.0
048	5/11/2021 08:29:39	0.0	0.0	0.0	0.0
049	5/11/2021 08:30:39	0.0	0.0	0.0	0.0
050	5/11/2021 08:31:39	0.0	0.0	0.1	0.0
051	5/11/2021 08:32:39	0.0	0.0	0.0	0.0
052	5/11/2021 08:33:39	0.0	0.0	0.0	0.0
053	5/11/2021 08:34:39	0.0	0.0	0.0	0.0
054	5/11/2021 08:35:39	0.0	0.0	0.0	0.0
055	5/11/2021 08:36:39	0.0	0.0	0.0	0.0
056	5/11/2021 08:37:39	0.0	0.0	0.0	0.0
057	5/11/2021 08:38:39	0.0	0.0	0.0	0.0
058	5/11/2021 08:39:39	0.0	0.0	0.0	0.0

059	5/11/2021 08:40:39	0.0	0.0	0.0	0.0
060	5/11/2021 08:41:39	0.0	0.0	0.0	0.0
061	5/11/2021 08:42:39	0.0	0.0	0.0	0.0
062	5/11/2021 08:43:39	0.0	0.0	0.0	0.0
063	5/11/2021 08:44:39	0.0	0.0	0.0	0.0
064	5/11/2021 08:45:39	0.0	0.0	0.0	0.0
065	5/11/2021 08:46:39	0.0	0.0	0.0	0.0
066	5/11/2021 08:47:39	0.0	0.0	0.0	0.0
067	5/11/2021 08:48:39	0.0	0.0	0.0	0.0
068	5/11/2021 08:49:39	0.0	0.0	0.0	0.0
069	5/11/2021 08:50:39	0.0	0.0	0.0	0.0
070	5/11/2021 08:51:39	0.0	0.0	0.0	0.0
071	5/11/2021 08:52:39	0.0	0.0	0.0	0.0
072	5/11/2021 08:53:39	0.0	0.0	0.0	0.0
073	5/11/2021 08:54:39	0.0	0.0	0.0	0.0
074	5/11/2021 08:55:39	0.0	0.0	0.0	0.0
075	5/11/2021 08:56:39	0.0	0.0	0.0	0.0
076	5/11/2021 08:57:39	0.0	0.0	0.0	0.0
077	5/11/2021 08:58:39	0.0	0.0	0.0	0.0
078	5/11/2021 08:59:39	0.0	0.0	0.0	0.0
079	5/11/2021 09:00:39	0.0	0.0	0.0	0.0
080	5/11/2021 09:01:39	0.0	0.0	0.0	0.0
081	5/11/2021 09:02:39	0.0	0.0	0.0	0.0
082	5/11/2021 09:03:39	0.0	0.0	0.0	0.0
083	5/11/2021 09:04:39	0.0	0.0	0.0	0.0
084	5/11/2021 09:05:39	0.0	0.0	0.0	0.0
085	5/11/2021 09:06:39	0.0	0.0	0.0	0.0
086	5/11/2021 09:07:39	0.0	0.0	0.0	0.0
087	5/11/2021 09:08:39	0.0	0.0	0.0	0.0
088	5/11/2021 09:09:39	0.0	0.0	0.0	0.0
089	5/11/2021 09:10:39	0.0	0.0	0.0	0.0
090	5/11/2021 09:11:39	0.0	0.0	0.0	0.0
091	5/11/2021 09:12:39	0.0	0.0	0.0	0.0
092	5/11/2021 09:13:39	0.0	0.0	0.0	0.0
093	5/11/2021 09:14:39	0.0	0.0	0.0	0.0
094	5/11/2021 09:15:39	0.0	0.0	0.0	0.0
095	5/11/2021 09:16:39	0.0	0.0	0.0	0.0
096	5/11/2021 09:17:39	0.0	0.0	0.0	0.0
097	5/11/2021 09:18:39	0.0	0.0	0.0	0.0
098	5/11/2021 09:19:39	0.0	0.0	0.0	0.0
099	5/11/2021 09:20:39	0.0	0.0	0.0	0.0
100	5/11/2021 09:21:39	0.0	0.0	0.0	0.0
101	5/11/2021 09:22:39	0.0	0.0	0.0	0.0
102	5/11/2021 09:23:39	0.0	0.0	0.0	0.0
103	5/11/2021 09:24:39	0.0	0.0	0.0	0.0
104	5/11/2021 09:25:39	0.0	0.0	0.0	0.0
105	5/11/2021 09:26:39	0.0	0.0	0.0	0.0
106	5/11/2021 09:27:39	0.0	0.0	0.0	0.0
107	5/11/2021 09:28:39	0.0	0.0	0.0	0.0
108	5/11/2021 09:29:39	0.0	0.0	0.0	0.0

109	5/11/2021	09:30:39	0.0	0.0	0.0	0.0
110	5/11/2021	09:31:39	0.0	0.0	0.0	0.0
111	5/11/2021	09:32:39	0.0	0.0	0.0	0.0
112	5/11/2021	09:33:39	0.0	0.0	0.0	0.0
113	5/11/2021	09:34:39	0.0	0.0	0.0	0.0
114	5/11/2021	09:35:39	0.0	0.0	0.0	0.0
115	5/11/2021	09:36:39	0.0	0.0	0.0	0.0
116	5/11/2021	09:37:39	0.0	0.0	0.0	0.0
117	5/11/2021	09:38:39	0.0	0.0	0.0	0.0
118	5/11/2021	09:39:39	0.0	0.0	0.0	0.0
119	5/11/2021	09:40:39	0.0	0.0	0.0	0.0
120	5/11/2021	09:41:39	0.0	0.0	0.0	0.0
121	5/11/2021	09:42:39	0.0	0.0	0.0	0.0
122	5/11/2021	09:43:39	0.0	0.0	0.0	0.0
123	5/11/2021	09:44:39	0.0	0.0	0.0	0.0
124	5/11/2021	09:45:39	0.0	0.0	0.0	0.0
125	5/11/2021	09:46:39	0.0	0.0	0.0	0.0
126	5/11/2021	09:47:39	0.0	0.0	0.0	0.0
127	5/11/2021	09:48:39	0.0	0.0	0.0	0.0
128	5/11/2021	09:49:39	0.0	0.0	0.0	0.0
129	5/11/2021	09:50:39	0.0	0.0	0.0	0.0
130	5/11/2021	09:51:39	0.0	0.0	0.0	0.0
131	5/11/2021	09:52:39	0.0	0.0	0.0	0.0
132	5/11/2021	09:53:39	0.0	0.0	0.0	0.0
133	5/11/2021	09:54:39	0.0	0.0	0.0	0.0
134	5/11/2021	09:55:39	0.0	0.0	0.0	0.0
135	5/11/2021	09:56:39	0.0	0.0	0.0	0.0
136	5/11/2021	09:57:39	0.0	0.0	0.0	0.0
137	5/11/2021	09:58:39	0.0	0.0	0.0	0.0
138	5/11/2021	09:59:39	0.0	0.0	0.0	0.0
139	5/11/2021	10:00:39	0.0	0.0	0.0	0.0
140	5/11/2021	10:01:39	0.0	0.0	0.0	0.0
141	5/11/2021	10:02:39	0.0	0.0	0.0	0.0
142	5/11/2021	10:03:39	0.0	0.0	0.0	0.0
143	5/11/2021	10:04:39	0.0	0.0	0.0	0.0
144	5/11/2021	10:05:39	0.0	0.0	0.0	0.0
145	5/11/2021	10:06:39	0.0	0.0	0.0	0.0
146	5/11/2021	10:07:39	0.0	0.0	0.0	0.0
147	5/11/2021	10:08:39	0.0	0.0	0.0	0.0
148	5/11/2021	10:09:39	0.0	0.0	0.0	0.0
149	5/11/2021	10:10:39	0.0	0.0	0.0	0.0
150	5/11/2021	10:11:39	0.0	0.0	0.0	0.0
151	5/11/2021	10:12:39	0.0	0.0	0.0	0.0
152	5/11/2021	10:13:39	0.0	0.0	0.0	0.0
153	5/11/2021	10:14:39	0.0	0.0	0.0	0.0
154	5/11/2021	10:15:39	0.0	0.0	0.0	0.0
155	5/11/2021	10:16:39	0.0	0.0	0.0	0.0
156	5/11/2021	10:17:39	0.0	0.0	0.0	0.0
157	5/11/2021	10:18:39	0.0	0.0	0.0	0.0
158	5/11/2021	10:19:39	0.0	0.0	0.0	0.0

159	5/11/2021	10:20:39	0.0	0.0	0.0	0.0
160	5/11/2021	10:21:39	0.0	0.0	0.0	0.0
161	5/11/2021	10:22:39	0.0	0.0	0.0	0.0
162	5/11/2021	10:23:39	0.0	0.0	0.0	0.0
163	5/11/2021	10:24:39	0.0	0.0	0.0	0.0
164	5/11/2021	10:25:39	0.0	0.0	0.0	0.0
165	5/11/2021	10:26:39	0.0	0.0	0.0	0.0
166	5/11/2021	10:27:39	0.0	0.0	0.0	0.0
167	5/11/2021	10:28:39	0.0	0.0	0.0	0.0
168	5/11/2021	10:29:39	0.0	0.0	0.0	0.0
169	5/11/2021	10:30:39	0.0	0.0	0.0	0.0
170	5/11/2021	10:31:39	0.0	0.0	0.0	0.0
171	5/11/2021	10:32:39	0.0	0.0	0.0	0.0
172	5/11/2021	10:33:39	0.0	0.0	0.0	0.0
173	5/11/2021	10:34:39	0.0	0.0	0.0	0.0
174	5/11/2021	10:35:39	0.0	0.0	0.0	0.0
175	5/11/2021	10:36:39	0.0	0.0	0.0	0.0
176	5/11/2021	10:37:39	0.0	0.0	0.0	0.0
177	5/11/2021	10:38:39	0.0	0.0	0.0	0.0
178	5/11/2021	10:39:39	0.0	0.0	0.0	0.0
179	5/11/2021	10:40:39	0.0	0.0	0.0	0.0
180	5/11/2021	10:41:39	0.0	0.0	0.0	0.0
181	5/11/2021	10:42:39	0.0	0.0	0.0	0.0
182	5/11/2021	10:43:39	0.0	0.0	0.0	0.0
183	5/11/2021	10:44:39	0.0	0.0	0.0	0.0
184	5/11/2021	10:45:39	0.0	0.0	0.0	0.0
185	5/11/2021	10:46:39	0.0	0.0	0.0	0.0
186	5/11/2021	10:47:39	0.0	0.0	0.0	0.0
187	5/11/2021	10:48:39	0.0	0.0	0.0	0.0
188	5/11/2021	10:49:39	0.0	0.0	0.0	0.0
189	5/11/2021	10:50:39	0.0	0.0	0.0	0.0
190	5/11/2021	10:51:39	0.0	0.0	0.0	0.0
191	5/11/2021	10:52:39	0.0	0.0	0.0	0.0
192	5/11/2021	10:53:39	0.0	0.0	0.0	0.0
193	5/11/2021	10:54:39	0.0	0.0	0.0	0.0
194	5/11/2021	10:55:39	0.0	0.0	0.0	0.0
195	5/11/2021	10:56:39	0.0	0.0	0.0	0.0
196	5/11/2021	10:57:39	0.0	0.0	0.0	0.0
197	5/11/2021	10:58:39	0.0	0.0	0.0	0.0
198	5/11/2021	10:59:39	0.0	0.0	0.0	0.0
199	5/11/2021	11:00:39	0.0	0.0	0.0	0.0
200	5/11/2021	11:01:39	0.0	0.0	0.0	0.0
201	5/11/2021	11:02:39	0.0	0.0	0.0	0.0
202	5/11/2021	11:03:39	0.0	0.0	0.0	0.0
203	5/11/2021	11:04:39	0.0	0.0	0.0	0.0
204	5/11/2021	11:05:39	0.0	0.0	0.0	0.0
205	5/11/2021	11:06:39	0.0	0.0	0.0	0.0
206	5/11/2021	11:07:39	0.0	0.0	0.0	0.0
207	5/11/2021	11:08:39	0.0	0.0	0.0	0.0
208	5/11/2021	11:09:39	0.0	0.0	0.0	0.0

209	5/11/2021 11:10:39	0.0	0.0	0.0	0.0
210	5/11/2021 11:11:39	0.0	0.0	0.0	0.0
211	5/11/2021 11:12:39	0.0	0.0	0.0	0.0
212	5/11/2021 11:13:39	0.0	0.0	0.0	0.0
213	5/11/2021 11:14:39	0.0	0.0	0.0	0.0
214	5/11/2021 11:15:39	0.0	0.0	0.0	0.0
215	5/11/2021 11:16:39	0.0	0.0	0.0	0.0
216	5/11/2021 11:17:39	0.0	0.0	0.0	0.0
217	5/11/2021 11:18:39	0.0	0.0	0.0	0.0
218	5/11/2021 11:19:39	0.0	0.0	0.0	0.0
219	5/11/2021 11:20:39	0.0	0.0	0.0	0.0
220	5/11/2021 11:21:39	0.0	0.0	0.0	0.0
221	5/11/2021 11:22:39	0.0	0.0	0.0	0.0
222	5/11/2021 11:23:39	0.0	0.0	0.0	0.0
223	5/11/2021 11:24:39	0.0	0.0	0.0	0.0
224	5/11/2021 11:25:39	0.0	0.0	0.0	0.0
225	5/11/2021 11:26:39	0.0	0.0	0.0	0.0
226	5/11/2021 11:27:39	0.0	0.0	0.0	0.0
227	5/11/2021 11:28:39	0.0	0.0	0.0	0.0
228	5/11/2021 11:29:39	0.0	0.0	0.0	0.0
229	5/11/2021 11:30:39	0.0	0.0	0.0	0.0
230	5/11/2021 11:31:39	0.0	0.0	0.0	0.0
231	5/11/2021 11:32:39	0.0	0.0	0.0	0.0
232	5/11/2021 11:33:39	0.0	0.0	0.0	0.0
233	5/11/2021 11:34:39	0.0	0.0	0.0	0.0
234	5/11/2021 11:35:39	0.0	0.0	0.0	0.0
235	5/11/2021 11:36:39	0.0	0.0	0.0	0.0
236	5/11/2021 11:37:39	0.0	0.0	0.0	0.0
237	5/11/2021 11:38:39	0.0	0.0	0.0	0.0
238	5/11/2021 11:39:39	0.0	0.0	0.0	0.0
239	5/11/2021 11:40:39	0.0	0.0	0.0	0.0
240	5/11/2021 11:41:39	0.0	0.0	0.0	0.0
241	5/11/2021 11:42:39	0.0	0.0	0.0	0.0
242	5/11/2021 11:43:39	0.0	0.0	0.0	0.0
243	5/11/2021 11:44:39	0.0	0.0	0.0	0.0
244	5/11/2021 11:45:39	0.0	0.0	0.0	0.0
245	5/11/2021 11:46:39	0.0	0.0	0.0	0.0
246	5/11/2021 11:47:39	0.0	0.0	0.0	0.0
247	5/11/2021 11:48:39	0.0	0.0	0.0	0.0
248	5/11/2021 11:49:39	0.0	0.0	0.0	0.0
249	5/11/2021 11:50:39	0.0	0.0	0.0	0.0
250	5/11/2021 11:51:39	0.0	0.0	0.0	0.0
251	5/11/2021 11:52:39	0.0	0.0	0.0	0.0
252	5/11/2021 11:53:39	0.0	0.0	0.0	0.0
253	5/11/2021 11:54:39	0.0	0.0	0.0	0.0
254	5/11/2021 11:55:39	0.0	0.0	0.0	0.0
255	5/11/2021 11:56:39	0.0	0.0	0.0	0.0
256	5/11/2021 11:57:39	0.0	0.0	0.0	0.0
257	5/11/2021 11:58:39	0.0	0.0	0.0	0.0
258	5/11/2021 11:59:39	0.0	0.0	0.0	0.0

259	5/11/2021 12:00:39	0.0	0.0	0.0	0.0
260	5/11/2021 12:01:39	0.0	0.0	0.0	0.0
261	5/11/2021 12:02:39	0.0	0.0	0.0	0.0
262	5/11/2021 12:03:39	0.0	0.0	0.0	0.0
263	5/11/2021 12:04:39	0.0	0.0	0.0	0.0
264	5/11/2021 12:05:39	0.0	0.0	0.0	0.0
265	5/11/2021 12:06:39	0.0	0.0	0.0	0.0
266	5/11/2021 12:07:39	0.0	0.0	0.0	0.0
267	5/11/2021 12:08:39	0.0	0.0	0.0	0.0
268	5/11/2021 12:09:39	0.0	0.0	0.0	0.0
269	5/11/2021 12:10:39	0.0	0.0	0.0	0.0
270	5/11/2021 12:11:39	0.0	0.0	0.0	0.0
271	5/11/2021 12:12:39	0.0	0.0	0.0	0.0
272	5/11/2021 12:13:39	0.0	0.0	0.0	0.0
273	5/11/2021 12:14:39	0.0	0.0	0.0	0.0
274	5/11/2021 12:15:39	0.0	0.0	0.0	0.0
275	5/11/2021 12:16:39	0.0	0.0	0.0	0.0
276	5/11/2021 12:17:39	0.0	0.0	0.0	0.0
277	5/11/2021 12:18:39	0.0	0.0	0.0	0.0
278	5/11/2021 12:19:39	0.0	0.0	0.0	0.0
279	5/11/2021 12:20:39	0.0	0.0	0.0	0.0
280	5/11/2021 12:21:39	0.0	0.0	0.0	0.0
281	5/11/2021 12:22:39	0.0	0.0	0.0	0.0
282	5/11/2021 12:23:39	0.0	0.0	0.0	0.0
283	5/11/2021 12:24:39	0.0	0.0	0.0	0.0
284	5/11/2021 12:25:39	0.0	0.0	0.0	0.0
285	5/11/2021 12:26:39	0.0	0.0	0.0	0.0
286	5/11/2021 12:27:39	0.0	0.0	0.0	0.0
287	5/11/2021 12:28:39	0.0	0.0	0.0	0.0
288	5/11/2021 12:29:39	0.0	0.0	0.0	0.0
289	5/11/2021 12:30:39	0.0	0.0	0.0	0.0
290	5/11/2021 12:31:39	0.0	0.0	0.0	0.0
291	5/11/2021 12:32:39	0.0	0.0	0.0	0.0
292	5/11/2021 12:33:39	0.0	0.0	0.0	0.0
293	5/11/2021 12:34:39	0.0	0.0	0.0	0.0
294	5/11/2021 12:35:39	0.0	0.0	0.0	0.0
295	5/11/2021 12:36:39	0.0	0.0	0.0	0.0
296	5/11/2021 12:37:39	0.0	0.0	0.0	0.0
297	5/11/2021 12:38:39	0.0	0.0	0.0	0.0
298	5/11/2021 12:39:39	0.0	0.0	0.0	0.0
299	5/11/2021 12:40:39	0.0	0.0	0.0	0.0
300	5/11/2021 12:41:39	0.0	0.0	0.0	0.0
301	5/11/2021 12:42:39	0.0	0.0	0.0	0.0
302	5/11/2021 12:43:39	0.0	0.0	0.0	0.0
303	5/11/2021 12:44:39	0.0	0.0	0.0	0.0
304	5/11/2021 12:45:39	0.0	0.0	0.0	0.0
305	5/11/2021 12:46:39	0.0	0.0	0.0	0.0
306	5/11/2021 12:47:39	0.0	0.0	0.0	0.0
307	5/11/2021 12:48:39	0.0	0.0	0.0	0.0
308	5/11/2021 12:49:39	0.0	0.0	0.0	0.0

309	5/11/2021 12:50:39	0.0	0.0	0.0	0.0
310	5/11/2021 12:51:39	0.0	0.0	0.0	0.0
311	5/11/2021 12:52:39	0.0	0.0	0.0	0.0
312	5/11/2021 12:53:39	0.0	0.0	0.0	0.0
313	5/11/2021 12:54:39	0.0	0.0	0.0	0.0
314	5/11/2021 12:55:39	0.0	0.0	0.0	0.0
315	5/11/2021 12:56:39	0.0	0.0	0.0	0.0
316	5/11/2021 12:57:39	0.0	0.0	0.0	0.0
317	5/11/2021 12:58:39	0.0	0.0	0.0	0.0
318	5/11/2021 12:59:39	0.0	0.0	0.0	0.0
319	5/11/2021 13:00:39	0.0	0.0	0.0	0.0
320	5/11/2021 13:01:39	0.0	0.0	0.0	0.0
321	5/11/2021 13:02:39	0.0	0.0	0.0	0.0
322	5/11/2021 13:03:39	0.0	0.0	0.0	0.0
323	5/11/2021 13:04:39	0.0	0.0	0.0	0.0
324	5/11/2021 13:05:39	0.0	0.0	0.0	0.0
325	5/11/2021 13:06:39	0.0	0.0	0.0	0.0
326	5/11/2021 13:07:39	0.0	0.0	0.0	0.0
327	5/11/2021 13:08:39	0.0	0.0	0.0	0.0
328	5/11/2021 13:09:39	0.0	0.0	0.0	0.0
329	5/11/2021 13:10:39	0.0	0.0	0.0	0.0
330	5/11/2021 13:11:39	0.0	0.0	0.0	0.0
331	5/11/2021 13:12:39	0.0	0.0	0.0	0.0
332	5/11/2021 13:13:39	0.0	0.0	0.0	0.0
333	5/11/2021 13:14:39	0.0	0.0	0.0	0.0
334	5/11/2021 13:15:39	0.0	0.0	0.0	0.0
335	5/11/2021 13:16:39	0.0	0.0	0.0	0.0
336	5/11/2021 13:17:39	0.0	0.0	0.0	0.0
337	5/11/2021 13:18:39	0.0	0.0	0.0	0.0
338	5/11/2021 13:19:39	0.0	0.0	0.0	0.0
339	5/11/2021 13:20:39	0.0	0.0	0.0	0.0
340	5/11/2021 13:21:39	0.0	0.0	0.0	0.0
341	5/11/2021 13:22:39	0.0	0.0	0.0	0.0
342	5/11/2021 13:23:39	0.0	0.0	0.0	0.0
343	5/11/2021 13:24:39	0.0	0.0	0.0	0.0
344	5/11/2021 13:25:39	0.0	0.0	0.0	0.0
345	5/11/2021 13:26:39	0.0	0.0	0.0	0.0
346	5/11/2021 13:27:39	0.0	0.0	0.0	0.0
347	5/11/2021 13:28:39	0.0	0.0	0.0	0.0
348	5/11/2021 13:29:39	0.0	0.0	0.0	0.0
349	5/11/2021 13:30:39	0.0	0.0	0.0	0.0
350	5/11/2021 13:31:39	0.0	0.0	0.0	0.0
351	5/11/2021 13:32:39	0.0	0.0	0.0	0.0
352	5/11/2021 13:33:39	0.0	0.0	0.0	0.0
353	5/11/2021 13:34:39	0.0	0.0	0.0	0.0
354	5/11/2021 13:35:39	0.0	0.0	0.0	0.0
355	5/11/2021 13:36:39	0.0	0.0	0.0	0.0
356	5/11/2021 13:37:39	0.0	0.0	0.0	0.0
357	5/11/2021 13:38:39	0.0	0.0	0.0	0.0
358	5/11/2021 13:39:39	0.0	0.0	0.0	0.0

359	5/11/2021 13:40:39	0.0	0.0	0.0	0.0
360	5/11/2021 13:41:39	0.0	0.0	0.0	0.0
361	5/11/2021 13:42:39	0.0	0.0	0.0	0.0
362	5/11/2021 13:43:39	0.0	0.0	0.0	0.0
363	5/11/2021 13:44:39	0.0	0.0	0.0	0.0
364	5/11/2021 13:45:39	0.0	0.0	0.0	0.0
365	5/11/2021 13:46:39	0.0	0.0	0.0	0.0
366	5/11/2021 13:47:39	0.0	0.0	0.0	0.0
367	5/11/2021 13:48:39	0.0	0.0	0.0	0.0
368	5/11/2021 13:49:39	0.0	0.0	0.0	0.0
369	5/11/2021 13:50:39	0.0	0.0	0.0	0.0
370	5/11/2021 13:51:39	0.0	0.0	0.0	0.0
371	5/11/2021 13:52:39	0.0	0.0	0.0	0.0
372	5/11/2021 13:53:39	0.0	0.0	0.0	0.0
373	5/11/2021 13:54:39	0.0	0.0	0.0	0.0
374	5/11/2021 13:55:39	0.0	0.0	0.0	0.0
375	5/11/2021 13:56:39	0.0	0.0	0.0	0.0
376	5/11/2021 13:57:39	0.0	0.0	0.0	0.0
377	5/11/2021 13:58:39	0.0	0.0	0.0	0.0
378	5/11/2021 13:59:39	0.0	0.0	0.0	0.0
379	5/11/2021 14:00:39	0.0	0.0	0.0	0.0
380	5/11/2021 14:01:39	0.0	0.0	0.0	0.0
381	5/11/2021 14:02:39	0.0	0.0	0.0	0.0
382	5/11/2021 14:03:39	0.0	0.0	0.0	0.0
383	5/11/2021 14:04:39	0.0	0.0	0.0	0.0
384	5/11/2021 14:05:39	0.0	0.0	0.0	0.0
385	5/11/2021 14:06:39	0.0	0.0	0.0	0.0
386	5/11/2021 14:07:39	0.0	0.0	0.0	0.0
387	5/11/2021 14:08:39	0.0	0.0	0.0	0.0
388	5/11/2021 14:09:39	0.0	0.0	0.0	0.0
389	5/11/2021 14:10:39	0.0	0.0	0.0	0.0
390	5/11/2021 14:11:39	0.0	0.0	0.0	0.0
391	5/11/2021 14:12:39	0.0	0.0	0.0	0.0
392	5/11/2021 14:13:39	0.0	0.0	0.0	0.0
393	5/11/2021 14:14:39	0.0	0.0	0.0	0.0
394	5/11/2021 14:15:39	0.0	0.0	0.0	0.0
395	5/11/2021 14:16:39	0.0	0.0	0.0	0.0
396	5/11/2021 14:17:39	0.0	0.0	0.0	0.0
397	5/11/2021 14:18:39	0.0	0.0	0.0	0.0
398	5/11/2021 14:19:39	0.0	0.0	0.0	0.0
399	5/11/2021 14:20:39	0.0	0.0	0.0	0.0
400	5/11/2021 14:21:39	0.0	0.0	0.1	0.0
401	5/11/2021 14:22:39	0.0	0.0	0.0	0.0
402	5/11/2021 14:23:39	0.0	0.0	0.0	0.0
403	5/11/2021 14:24:39	0.0	0.0	0.0	0.0
404	5/11/2021 14:25:39	0.0	0.0	0.0	0.0
405	5/11/2021 14:26:39	0.0	0.0	0.0	0.0
406	5/11/2021 14:27:39	0.0	0.0	0.0	0.0
407	5/11/2021 14:28:39	0.0	0.0	0.0	0.0
408	5/11/2021 14:29:39	0.0	0.0	0.0	0.0

409	5/11/2021 14:30:39	0.0	0.0	0.0	0.0
410	5/11/2021 14:31:39	0.0	0.0	0.0	0.0
411	5/11/2021 14:32:39	0.0	0.0	0.0	0.0
412	5/11/2021 14:33:39	0.0	0.0	0.0	0.0
413	5/11/2021 14:34:39	0.0	0.0	0.0	0.0
414	5/11/2021 14:35:39	0.0	0.0	0.0	0.0
415	5/11/2021 14:36:39	0.0	0.0	0.1	0.0
416	5/11/2021 14:37:39	0.0	0.0	0.1	0.0
417	5/11/2021 14:38:39	0.0	0.0	0.1	0.1
418	5/11/2021 14:39:39	0.0	0.0	0.1	0.0
419	5/11/2021 14:40:39	0.0	0.0	0.0	0.0
420	5/11/2021 14:41:39	0.0	0.0	0.1	0.0
421	5/11/2021 14:42:39	0.0	0.0	0.0	0.0
422	5/11/2021 14:43:39	0.0	0.0	0.0	0.0
423	5/11/2021 14:44:39	0.0	0.0	0.0	0.0
424	5/11/2021 14:45:39	0.0	0.0	0.1	0.0
425	5/11/2021 14:46:39	0.0	0.0	0.0	0.0
426	5/11/2021 14:47:39	0.0	0.0	0.0	0.0
427	5/11/2021 14:48:39	0.0	0.0	0.0	0.0
428	5/11/2021 14:49:39	0.0	0.1	0.4	0.4
429	5/11/2021 14:50:39	0.0	0.1	0.4	0.0
430	5/11/2021 14:51:39	0.0	0.0	0.2	0.0
431	5/11/2021 14:52:39	0.0	0.0	0.0	0.0
432	5/11/2021 14:53:39	0.0	0.0	0.0	0.0
433	5/11/2021 14:54:39	0.0	0.0	0.0	0.0
434	5/11/2021 14:55:39	0.0	0.0	0.0	0.0
435	5/11/2021 14:56:39	0.0	0.0	0.0	0.0
436	5/11/2021 14:57:39	0.0	0.0	0.0	0.0
Peak		0.1	0.2	0.4	0.4
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	5/11/2021 07:42:39	0.0	---
002	5/11/2021 07:43:39	0.0	---
003	5/11/2021 07:44:39	0.0	---
004	5/11/2021 07:45:39	0.0	---
005	5/11/2021 07:46:39	0.0	---
006	5/11/2021 07:47:39	0.0	---
007	5/11/2021 07:48:39	0.0	---
008	5/11/2021 07:49:39	0.0	---
009	5/11/2021 07:50:39	0.0	---
010	5/11/2021 07:51:39	0.0	---
011	5/11/2021 07:52:39	0.0	---
012	5/11/2021 07:53:39	0.0	---
013	5/11/2021 07:54:39	0.0	---
014	5/11/2021 07:55:39	0.0	---

015	5/11/2021 07:56:39	0.0	0.1
016	5/11/2021 07:57:39	0.0	0.0
017	5/11/2021 07:58:39	0.0	0.0
018	5/11/2021 07:59:39	0.0	0.0
019	5/11/2021 08:00:39	0.0	0.0
020	5/11/2021 08:01:39	0.0	0.0
021	5/11/2021 08:02:39	0.0	0.0
022	5/11/2021 08:03:39	0.0	0.0
023	5/11/2021 08:04:39	0.0	0.0
024	5/11/2021 08:05:39	0.0	0.0
025	5/11/2021 08:06:39	0.0	0.0
026	5/11/2021 08:07:39	0.0	0.0
027	5/11/2021 08:08:39	0.0	0.0
028	5/11/2021 08:09:39	0.0	0.0
029	5/11/2021 08:10:39	0.0	0.0
030	5/11/2021 08:11:39	0.0	0.0
031	5/11/2021 08:12:39	0.0	0.0
032	5/11/2021 08:13:39	0.0	0.0
033	5/11/2021 08:14:39	0.0	0.0
034	5/11/2021 08:15:39	0.0	0.0
035	5/11/2021 08:16:39	0.0	0.0
036	5/11/2021 08:17:39	0.0	0.0
037	5/11/2021 08:18:39	0.0	0.0
038	5/11/2021 08:19:39	0.0	0.0
039	5/11/2021 08:20:39	0.0	0.0
040	5/11/2021 08:21:39	0.0	0.0
041	5/11/2021 08:22:39	0.0	0.0
042	5/11/2021 08:23:39	0.0	0.0
043	5/11/2021 08:24:39	0.0	0.0
044	5/11/2021 08:25:39	0.0	0.0
045	5/11/2021 08:26:39	0.0	0.0
046	5/11/2021 08:27:39	0.0	0.0
047	5/11/2021 08:28:39	0.0	0.0
048	5/11/2021 08:29:39	0.0	0.0
049	5/11/2021 08:30:39	0.0	0.0
050	5/11/2021 08:31:39	0.0	0.0
051	5/11/2021 08:32:39	0.0	0.0
052	5/11/2021 08:33:39	0.0	0.0
053	5/11/2021 08:34:39	0.0	0.0
054	5/11/2021 08:35:39	0.0	0.0
055	5/11/2021 08:36:39	0.0	0.0
056	5/11/2021 08:37:39	0.0	0.0
057	5/11/2021 08:38:39	0.0	0.0
058	5/11/2021 08:39:39	0.0	0.0
059	5/11/2021 08:40:39	0.0	0.0
060	5/11/2021 08:41:39	0.0	0.0
061	5/11/2021 08:42:39	0.0	0.0
062	5/11/2021 08:43:39	0.0	0.0
063	5/11/2021 08:44:39	0.0	0.0
064	5/11/2021 08:45:39	0.0	0.0

065	5/11/2021 08:46:39	0.0	0.0
066	5/11/2021 08:47:39	0.0	0.0
067	5/11/2021 08:48:39	0.0	0.0
068	5/11/2021 08:49:39	0.0	0.0
069	5/11/2021 08:50:39	0.0	0.0
070	5/11/2021 08:51:39	0.0	0.0
071	5/11/2021 08:52:39	0.0	0.0
072	5/11/2021 08:53:39	0.0	0.0
073	5/11/2021 08:54:39	0.0	0.0
074	5/11/2021 08:55:39	0.0	0.0
075	5/11/2021 08:56:39	0.0	0.0
076	5/11/2021 08:57:39	0.0	0.0
077	5/11/2021 08:58:39	0.0	0.0
078	5/11/2021 08:59:39	0.0	0.0
079	5/11/2021 09:00:39	0.0	0.0
080	5/11/2021 09:01:39	0.0	0.0
081	5/11/2021 09:02:39	0.0	0.0
082	5/11/2021 09:03:39	0.0	0.0
083	5/11/2021 09:04:39	0.0	0.0
084	5/11/2021 09:05:39	0.0	0.0
085	5/11/2021 09:06:39	0.0	0.0
086	5/11/2021 09:07:39	0.0	0.0
087	5/11/2021 09:08:39	0.0	0.0
088	5/11/2021 09:09:39	0.0	0.0
089	5/11/2021 09:10:39	0.0	0.0
090	5/11/2021 09:11:39	0.0	0.0
091	5/11/2021 09:12:39	0.0	0.0
092	5/11/2021 09:13:39	0.0	0.0
093	5/11/2021 09:14:39	0.0	0.0
094	5/11/2021 09:15:39	0.0	0.0
095	5/11/2021 09:16:39	0.0	0.0
096	5/11/2021 09:17:39	0.0	0.0
097	5/11/2021 09:18:39	0.0	0.0
098	5/11/2021 09:19:39	0.0	0.0
099	5/11/2021 09:20:39	0.0	0.0
100	5/11/2021 09:21:39	0.0	0.0
101	5/11/2021 09:22:39	0.0	0.0
102	5/11/2021 09:23:39	0.0	0.0
103	5/11/2021 09:24:39	0.0	0.0
104	5/11/2021 09:25:39	0.0	0.0
105	5/11/2021 09:26:39	0.0	0.0
106	5/11/2021 09:27:39	0.0	0.0
107	5/11/2021 09:28:39	0.0	0.0
108	5/11/2021 09:29:39	0.0	0.0
109	5/11/2021 09:30:39	0.0	0.0
110	5/11/2021 09:31:39	0.0	0.0
111	5/11/2021 09:32:39	0.0	0.0
112	5/11/2021 09:33:39	0.0	0.0
113	5/11/2021 09:34:39	0.0	0.0
114	5/11/2021 09:35:39	0.0	0.0

115	5/11/2021 09:36:39	0.0	0.0
116	5/11/2021 09:37:39	0.0	0.0
117	5/11/2021 09:38:39	0.0	0.0
118	5/11/2021 09:39:39	0.0	0.0
119	5/11/2021 09:40:39	0.0	0.0
120	5/11/2021 09:41:39	0.0	0.0
121	5/11/2021 09:42:39	0.0	0.0
122	5/11/2021 09:43:39	0.0	0.0
123	5/11/2021 09:44:39	0.0	0.0
124	5/11/2021 09:45:39	0.0	0.0
125	5/11/2021 09:46:39	0.0	0.0
126	5/11/2021 09:47:39	0.0	0.0
127	5/11/2021 09:48:39	0.0	0.0
128	5/11/2021 09:49:39	0.0	0.0
129	5/11/2021 09:50:39	0.0	0.0
130	5/11/2021 09:51:39	0.0	0.0
131	5/11/2021 09:52:39	0.0	0.0
132	5/11/2021 09:53:39	0.0	0.0
133	5/11/2021 09:54:39	0.0	0.0
134	5/11/2021 09:55:39	0.0	0.0
135	5/11/2021 09:56:39	0.0	0.0
136	5/11/2021 09:57:39	0.0	0.0
137	5/11/2021 09:58:39	0.0	0.0
138	5/11/2021 09:59:39	0.0	0.0
139	5/11/2021 10:00:39	0.0	0.0
140	5/11/2021 10:01:39	0.0	0.0
141	5/11/2021 10:02:39	0.0	0.0
142	5/11/2021 10:03:39	0.0	0.0
143	5/11/2021 10:04:39	0.0	0.0
144	5/11/2021 10:05:39	0.0	0.0
145	5/11/2021 10:06:39	0.0	0.0
146	5/11/2021 10:07:39	0.0	0.0
147	5/11/2021 10:08:39	0.0	0.0
148	5/11/2021 10:09:39	0.0	0.0
149	5/11/2021 10:10:39	0.0	0.0
150	5/11/2021 10:11:39	0.0	0.0
151	5/11/2021 10:12:39	0.0	0.0
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153	5/11/2021 10:14:39	0.0	0.0
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157	5/11/2021 10:18:39	0.0	0.0
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159	5/11/2021 10:20:39	0.0	0.0
160	5/11/2021 10:21:39	0.0	0.0
161	5/11/2021 10:22:39	0.0	0.0
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174	5/11/2021 10:35:39	0.0	0.0
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183	5/11/2021 10:44:39	0.0	0.0
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189	5/11/2021 10:50:39	0.0	0.0
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197	5/11/2021 10:58:39	0.0	0.0
198	5/11/2021 10:59:39	0.0	0.0
199	5/11/2021 11:00:39	0.0	0.0
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201	5/11/2021 11:02:39	0.0	0.0
202	5/11/2021 11:03:39	0.0	0.0
203	5/11/2021 11:04:39	0.0	0.0
204	5/11/2021 11:05:39	0.0	0.0
205	5/11/2021 11:06:39	0.0	0.0
206	5/11/2021 11:07:39	0.0	0.0
207	5/11/2021 11:08:39	0.0	0.0
208	5/11/2021 11:09:39	0.0	0.0
209	5/11/2021 11:10:39	0.0	0.0
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214	5/11/2021 11:15:39	0.0	0.0

215	5/11/2021 11:16:39	0.0	0.0
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217	5/11/2021 11:18:39	0.0	0.0
218	5/11/2021 11:19:39	0.0	0.0
219	5/11/2021 11:20:39	0.0	0.0
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221	5/11/2021 11:22:39	0.0	0.0
222	5/11/2021 11:23:39	0.0	0.0
223	5/11/2021 11:24:39	0.0	0.0
224	5/11/2021 11:25:39	0.0	0.0
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239	5/11/2021 11:40:39	0.0	0.0
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253	5/11/2021 11:54:39	0.0	0.0
254	5/11/2021 11:55:39	0.0	0.0
255	5/11/2021 11:56:39	0.0	0.0
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258	5/11/2021 11:59:39	0.0	0.0
259	5/11/2021 12:00:39	0.0	0.0
260	5/11/2021 12:01:39	0.0	0.0
261	5/11/2021 12:02:39	0.0	0.0
262	5/11/2021 12:03:39	0.0	0.0
263	5/11/2021 12:04:39	0.0	0.0
264	5/11/2021 12:05:39	0.0	0.0

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283	5/11/2021 12:24:39	0.0	0.0
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318	5/11/2021 12:59:39	0.0	0.0
319	5/11/2021 13:00:39	0.0	0.0
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321	5/11/2021 13:02:39	0.0	0.0
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323	5/11/2021 13:04:39	0.0	0.0
324	5/11/2021 13:05:39	0.0	0.0
325	5/11/2021 13:06:39	0.0	0.0
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328	5/11/2021 13:09:39	0.0	0.0
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332	5/11/2021 13:13:39	0.0	0.0
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336	5/11/2021 13:17:39	0.0	0.0
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343	5/11/2021 13:24:39	0.0	0.0
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347	5/11/2021 13:28:39	0.0	0.0
348	5/11/2021 13:29:39	0.0	0.0
349	5/11/2021 13:30:39	0.0	0.0
350	5/11/2021 13:31:39	0.0	0.0
351	5/11/2021 13:32:39	0.0	0.0
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353	5/11/2021 13:34:39	0.0	0.0
354	5/11/2021 13:35:39	0.0	0.0
355	5/11/2021 13:36:39	0.0	0.0
356	5/11/2021 13:37:39	0.0	0.0
357	5/11/2021 13:38:39	0.0	0.0
358	5/11/2021 13:39:39	0.0	0.0
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362	5/11/2021 13:43:39	0.0	0.0
363	5/11/2021 13:44:39	0.0	0.0
364	5/11/2021 13:45:39	0.0	0.0

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368	5/11/2021 13:49:39	0.0	0.0
369	5/11/2021 13:50:39	0.0	0.0
370	5/11/2021 13:51:39	0.0	0.0
371	5/11/2021 13:52:39	0.0	0.0
372	5/11/2021 13:53:39	0.0	0.0
373	5/11/2021 13:54:39	0.0	0.0
374	5/11/2021 13:55:39	0.0	0.0
375	5/11/2021 13:56:39	0.0	0.0
376	5/11/2021 13:57:39	0.0	0.0
377	5/11/2021 13:58:39	0.0	0.0
378	5/11/2021 13:59:39	0.0	0.0
379	5/11/2021 14:00:39	0.0	0.0
380	5/11/2021 14:01:39	0.0	0.0
381	5/11/2021 14:02:39	0.0	0.0
382	5/11/2021 14:03:39	0.0	0.0
383	5/11/2021 14:04:39	0.0	0.0
384	5/11/2021 14:05:39	0.0	0.0
385	5/11/2021 14:06:39	0.0	0.0
386	5/11/2021 14:07:39	0.0	0.0
387	5/11/2021 14:08:39	0.0	0.0
388	5/11/2021 14:09:39	0.0	0.0
389	5/11/2021 14:10:39	0.0	0.0
390	5/11/2021 14:11:39	0.0	0.0
391	5/11/2021 14:12:39	0.0	0.0
392	5/11/2021 14:13:39	0.0	0.0
393	5/11/2021 14:14:39	0.0	0.0
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395	5/11/2021 14:16:39	0.0	0.0
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397	5/11/2021 14:18:39	0.0	0.0
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399	5/11/2021 14:20:39	0.0	0.0
400	5/11/2021 14:21:39	0.0	0.0
401	5/11/2021 14:22:39	0.0	0.0
402	5/11/2021 14:23:39	0.0	0.0
403	5/11/2021 14:24:39	0.0	0.0
404	5/11/2021 14:25:39	0.0	0.0
405	5/11/2021 14:26:39	0.0	0.0
406	5/11/2021 14:27:39	0.0	0.0
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409	5/11/2021 14:30:39	0.0	0.0
410	5/11/2021 14:31:39	0.0	0.0
411	5/11/2021 14:32:39	0.0	0.0
412	5/11/2021 14:33:39	0.0	0.0
413	5/11/2021 14:34:39	0.0	0.0
414	5/11/2021 14:35:39	0.0	0.0

415	5/11/2021 14:36:39	0.0	0.0
416	5/11/2021 14:37:39	0.0	0.0
417	5/11/2021 14:38:39	0.0	0.0
418	5/11/2021 14:39:39	0.0	0.0
419	5/11/2021 14:40:39	0.0	0.0
420	5/11/2021 14:41:39	0.0	0.0
421	5/11/2021 14:42:39	0.0	0.0
422	5/11/2021 14:43:39	0.0	0.0
423	5/11/2021 14:44:39	0.0	0.0
424	5/11/2021 14:45:39	0.0	0.0
425	5/11/2021 14:46:39	0.0	0.0
426	5/11/2021 14:47:39	0.0	0.0
427	5/11/2021 14:48:39	0.0	0.0
428	5/11/2021 14:49:39	0.0	0.0
429	5/11/2021 14:50:39	0.0	0.0
430	5/11/2021 14:51:39	0.0	0.0
431	5/11/2021 14:52:39	0.0	0.0
432	5/11/2021 14:53:39	0.0	0.0
433	5/11/2021 14:54:39	0.0	0.0
434	5/11/2021 14:55:39	0.0	0.0
435	5/11/2021 14:56:39	0.0	0.0
436	5/11/2021 14:57:39	0.0	0.0

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21/05/12 08:36
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Summary

Unit Name MiniRAE 3000 +(PGM-7320)
Unit SN 592-928270
Unit Firmware Ver V2.20A

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

Site ID RAE00000
User ID USER0000

Begin 5/12/2021 08:36:42
End 5/12/2021 12:22:56
Sample Period(s) 60
Number of Records 226

Sensor PID(ppm)
Sensor SN S023030018W6
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 5/12/2021 08:36
Peak 0.2
Min 0.0
Average 0.0

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	5/12/2021 08:37:42	0.0	0.1	0.2	0.0	
002	5/12/2021 08:38:42	0.0	0.0	0.1	0.0	
003	5/12/2021 08:39:42	0.0	0.0	0.1	0.0	
004	5/12/2021 08:40:42	0.0	0.1	0.1	0.1	
005	5/12/2021 08:41:42	0.1	0.1	0.1	0.1	
006	5/12/2021 08:42:42	0.1	0.1	0.1	0.1	
007	5/12/2021 08:43:42	0.1	0.1	0.1	0.1	
008	5/12/2021 08:44:42	0.1	0.2	0.2	0.1	

009	5/12/2021 08:45:42	0.1	0.1	0.2	0.1
010	5/12/2021 08:46:42	0.1	0.2	0.2	0.1
011	5/12/2021 08:47:42	0.1	0.3	0.6	0.1
012	5/12/2021 08:48:42	0.0	0.1	0.2	0.0
013	5/12/2021 08:49:42	0.0	0.1	0.2	0.1
014	5/12/2021 08:50:42	0.1	0.1	0.2	0.1
015	5/12/2021 08:51:42	0.0	0.1	0.2	0.0
016	5/12/2021 08:52:42	0.0	0.0	0.1	0.0
017	5/12/2021 08:53:42	0.0	0.1	0.1	0.0
018	5/12/2021 08:54:42	0.0	0.0	0.1	0.1
019	5/12/2021 08:55:42	0.0	0.1	0.1	0.1
020	5/12/2021 08:56:42	0.0	0.1	0.2	0.1
021	5/12/2021 08:57:42	0.0	0.0	0.1	0.0
022	5/12/2021 08:58:42	0.0	0.0	0.0	0.0
023	5/12/2021 08:59:42	0.0	0.0	0.0	0.0
024	5/12/2021 09:00:42	0.0	0.1	0.2	0.2
025	5/12/2021 09:01:42	0.1	0.1	0.2	0.1
026	5/12/2021 09:02:42	0.0	0.1	0.1	0.0
027	5/12/2021 09:03:42	0.0	0.0	0.0	0.0
028	5/12/2021 09:04:42	0.0	0.0	0.1	0.1
029	5/12/2021 09:05:42	0.0	0.0	0.1	0.0
030	5/12/2021 09:06:42	0.0	0.0	0.1	0.0
031	5/12/2021 09:07:42	0.0	0.0	0.0	0.0
032	5/12/2021 09:08:42	0.0	0.0	0.0	0.0
033	5/12/2021 09:09:42	0.0	0.0	0.0	0.0
034	5/12/2021 09:10:42	0.0	0.0	0.0	0.0
035	5/12/2021 09:11:42	0.0	0.0	0.0	0.0
036	5/12/2021 09:12:42	0.0	0.0	0.1	0.0
037	5/12/2021 09:13:42	0.0	0.0	0.0	0.0
038	5/12/2021 09:14:42	0.0	0.0	0.0	0.0
039	5/12/2021 09:15:42	0.0	0.0	0.0	0.0
040	5/12/2021 09:16:42	0.0	0.0	0.0	0.0
041	5/12/2021 09:17:42	0.0	0.0	0.0	0.0
042	5/12/2021 09:18:42	0.0	0.0	0.0	0.0
043	5/12/2021 09:19:42	0.0	0.0	0.0	0.0
044	5/12/2021 09:20:42	0.0	0.0	0.0	0.0
045	5/12/2021 09:21:42	0.0	0.0	0.0	0.0
046	5/12/2021 09:22:42	0.0	0.0	0.0	0.0
047	5/12/2021 09:23:42	0.0	0.0	0.0	0.0
048	5/12/2021 09:24:42	0.0	0.0	0.0	0.0
049	5/12/2021 09:25:42	0.0	0.0	0.0	0.0
050	5/12/2021 09:26:42	0.0	0.0	0.1	0.0
051	5/12/2021 09:27:42	0.0	0.0	0.1	0.0
052	5/12/2021 09:28:42	0.0	0.0	0.0	0.0
053	5/12/2021 09:29:42	0.0	0.0	0.0	0.0
054	5/12/2021 09:30:42	0.0	0.0	0.0	0.0
055	5/12/2021 09:31:42	0.0	0.1	0.2	0.0
056	5/12/2021 09:32:42	0.0	0.0	0.0	0.0
057	5/12/2021 09:33:42	0.0	0.0	0.0	0.0
058	5/12/2021 09:34:42	0.0	0.0	0.0	0.0

059	5/12/2021 09:35:42	0.0	0.0	0.0	0.0
060	5/12/2021 09:36:42	0.0	0.0	0.0	0.0
061	5/12/2021 09:37:42	0.0	0.0	0.0	0.0
062	5/12/2021 09:38:42	0.0	0.0	0.0	0.0
063	5/12/2021 09:39:42	0.0	0.0	0.0	0.0
064	5/12/2021 09:40:42	0.0	0.0	0.1	0.0
065	5/12/2021 09:41:42	0.0	0.0	0.0	0.0
066	5/12/2021 09:42:42	0.0	0.0	0.0	0.0
067	5/12/2021 09:43:42	0.0	0.0	0.1	0.1
068	5/12/2021 09:44:42	0.0	0.0	0.1	0.0
069	5/12/2021 09:45:42	0.0	0.0	0.1	0.0
070	5/12/2021 09:46:42	0.0	0.0	0.1	0.0
071	5/12/2021 09:47:42	0.0	0.0	0.0	0.0
072	5/12/2021 09:48:42	0.0	0.0	0.0	0.0
073	5/12/2021 09:49:42	0.0	0.0	0.1	0.1
074	5/12/2021 09:50:42	0.0	0.0	0.1	0.0
075	5/12/2021 09:51:42	0.0	0.0	0.0	0.0
076	5/12/2021 09:52:42	0.0	0.0	0.1	0.0
077	5/12/2021 09:53:42	0.0	0.0	0.1	0.1
078	5/12/2021 09:54:42	0.0	0.0	0.1	0.0
079	5/12/2021 09:55:42	0.0	0.0	0.0	0.0
080	5/12/2021 09:56:42	0.0	0.0	0.1	0.1
081	5/12/2021 09:57:42	0.0	0.0	0.1	0.0
082	5/12/2021 09:58:42	0.0	0.0	0.1	0.0
083	5/12/2021 09:59:42	0.0	0.0	0.0	0.0
084	5/12/2021 10:00:42	0.0	0.0	0.1	0.0
085	5/12/2021 10:01:42	0.0	0.0	0.0	0.0
086	5/12/2021 10:02:42	0.0	0.0	0.0	0.0
087	5/12/2021 10:03:42	0.0	0.0	0.0	0.0
088	5/12/2021 10:04:42	0.0	0.0	0.2	0.2
089	5/12/2021 10:05:42	0.1	0.1	0.2	0.1
090	5/12/2021 10:06:42	0.0	0.1	0.1	0.0
091	5/12/2021 10:07:42	0.0	0.0	0.0	0.0
092	5/12/2021 10:08:42	0.0	0.0	0.1	0.1
093	5/12/2021 10:09:42	0.0	0.0	0.0	0.0
094	5/12/2021 10:10:42	0.0	0.0	0.0	0.0
095	5/12/2021 10:11:42	0.0	0.1	0.2	0.0
096	5/12/2021 10:12:42	0.0	0.0	0.0	0.0
097	5/12/2021 10:13:42	0.0	0.0	0.0	0.0
098	5/12/2021 10:14:42	0.0	0.1	0.2	0.2
099	5/12/2021 10:15:42	0.0	0.0	0.2	0.0
100	5/12/2021 10:16:42	0.0	0.0	0.1	0.0
101	5/12/2021 10:17:42	0.0	0.0	0.0	0.0
102	5/12/2021 10:18:42	0.0	0.0	0.1	0.0
103	5/12/2021 10:19:42	0.0	0.0	0.1	0.0
104	5/12/2021 10:20:42	0.0	0.0	0.1	0.0
105	5/12/2021 10:21:42	0.0	0.0	0.0	0.0
106	5/12/2021 10:22:42	0.0	0.0	0.0	0.0
107	5/12/2021 10:23:42	0.0	0.1	0.2	0.1
108	5/12/2021 10:24:42	0.0	0.0	0.1	0.0

109	5/12/2021 10:25:42	0.0	0.0	0.0	0.0
110	5/12/2021 10:26:42	0.0	0.0	0.0	0.0
111	5/12/2021 10:27:42	0.0	0.0	0.0	0.0
112	5/12/2021 10:28:42	0.0	0.0	0.0	0.0
113	5/12/2021 10:29:42	0.0	0.0	0.0	0.0
114	5/12/2021 10:30:42	0.0	0.0	0.0	0.0
115	5/12/2021 10:31:42	0.0	0.0	0.0	0.0
116	5/12/2021 10:32:42	0.0	0.0	0.0	0.0
117	5/12/2021 10:33:42	0.0	0.0	0.0	0.0
118	5/12/2021 10:34:42	0.0	0.0	0.0	0.0
119	5/12/2021 10:35:42	0.0	0.0	0.0	0.0
120	5/12/2021 10:36:42	0.0	0.0	0.1	0.0
121	5/12/2021 10:37:42	0.0	0.0	0.1	0.0
122	5/12/2021 10:38:42	0.0	0.0	0.2	0.1
123	5/12/2021 10:39:42	0.0	0.0	0.2	0.0
124	5/12/2021 10:40:42	0.0	0.0	0.1	0.1
125	5/12/2021 10:41:42	0.0	0.1	0.2	0.0
126	5/12/2021 10:42:42	0.0	0.0	0.0	0.0
127	5/12/2021 10:43:42	0.0	0.0	0.0	0.0
128	5/12/2021 10:44:42	0.0	0.0	0.0	0.0
129	5/12/2021 10:45:42	0.0	0.0	0.0	0.0
130	5/12/2021 10:46:42	0.0	0.0	0.0	0.0
131	5/12/2021 10:47:42	0.0	0.0	0.0	0.0
132	5/12/2021 10:48:42	0.0	0.0	0.0	0.0
133	5/12/2021 10:49:42	0.0	0.0	0.0	0.0
134	5/12/2021 10:50:42	0.0	0.0	0.0	0.0
135	5/12/2021 10:51:42	0.0	0.0	0.0	0.0
136	5/12/2021 10:52:42	0.0	0.0	0.0	0.0
137	5/12/2021 10:53:42	0.0	0.0	0.0	0.0
138	5/12/2021 10:54:42	0.0	0.0	0.0	0.0
139	5/12/2021 10:55:42	0.0	0.0	0.0	0.0
140	5/12/2021 10:56:42	0.0	0.0	0.0	0.0
141	5/12/2021 10:57:42	0.0	0.0	0.0	0.0
142	5/12/2021 10:58:42	0.0	0.0	0.0	0.0
143	5/12/2021 10:59:42	0.0	0.0	0.0	0.0
144	5/12/2021 11:00:42	0.0	0.0	0.0	0.0
145	5/12/2021 11:01:42	0.0	0.0	0.0	0.0
146	5/12/2021 11:02:42	0.0	0.0	0.0	0.0
147	5/12/2021 11:03:42	0.0	0.0	0.0	0.0
148	5/12/2021 11:04:42	0.0	0.0	0.0	0.0
149	5/12/2021 11:05:42	0.0	0.0	0.0	0.0
150	5/12/2021 11:06:42	0.0	0.0	0.0	0.0
151	5/12/2021 11:07:42	0.0	0.0	0.0	0.0
152	5/12/2021 11:08:42	0.0	0.0	0.0	0.0
153	5/12/2021 11:09:42	0.0	0.0	0.0	0.0
154	5/12/2021 11:10:42	0.0	0.0	0.0	0.0
155	5/12/2021 11:11:42	0.0	0.0	0.0	0.0
156	5/12/2021 11:12:42	0.0	0.0	0.0	0.0
157	5/12/2021 11:13:42	0.0	0.0	0.0	0.0
158	5/12/2021 11:14:42	0.0	0.0	0.0	0.0

159	5/12/2021 11:15:42	0.0	0.0	0.0	0.0
160	5/12/2021 11:16:42	0.0	0.0	0.0	0.0
161	5/12/2021 11:17:42	0.0	0.0	0.0	0.0
162	5/12/2021 11:18:42	0.0	0.0	0.0	0.0
163	5/12/2021 11:19:42	0.0	0.0	0.0	0.0
164	5/12/2021 11:20:42	0.0	0.0	0.0	0.0
165	5/12/2021 11:21:42	0.0	0.0	0.0	0.0
166	5/12/2021 11:22:42	0.0	0.0	0.0	0.0
167	5/12/2021 11:23:42	0.0	0.0	0.0	0.0
168	5/12/2021 11:24:42	0.0	0.0	0.0	0.0
169	5/12/2021 11:25:42	0.0	0.0	0.0	0.0
170	5/12/2021 11:26:42	0.0	0.0	0.0	0.0
171	5/12/2021 11:27:42	0.0	0.0	0.0	0.0
172	5/12/2021 11:28:42	0.0	0.0	0.0	0.0
173	5/12/2021 11:29:42	0.0	0.0	0.0	0.0
174	5/12/2021 11:30:42	0.0	0.0	0.0	0.0
175	5/12/2021 11:31:42	0.0	0.0	0.0	0.0
176	5/12/2021 11:32:42	0.0	0.0	0.0	0.0
177	5/12/2021 11:33:42	0.0	0.0	0.0	0.0
178	5/12/2021 11:34:42	0.0	0.0	0.0	0.0
179	5/12/2021 11:35:42	0.0	0.0	0.0	0.0
180	5/12/2021 11:36:42	0.0	0.0	0.0	0.0
181	5/12/2021 11:37:42	0.0	0.0	0.0	0.0
182	5/12/2021 11:38:42	0.0	0.0	0.0	0.0
183	5/12/2021 11:39:42	0.0	0.0	0.0	0.0
184	5/12/2021 11:40:42	0.0	0.0	0.0	0.0
185	5/12/2021 11:41:42	0.0	0.0	0.0	0.0
186	5/12/2021 11:42:42	0.0	0.0	0.0	0.0
187	5/12/2021 11:43:42	0.0	0.0	0.0	0.0
188	5/12/2021 11:44:42	0.0	0.0	0.0	0.0
189	5/12/2021 11:45:42	0.0	0.0	0.0	0.0
190	5/12/2021 11:46:42	0.0	0.0	0.1	0.0
191	5/12/2021 11:47:42	0.0	0.0	0.0	0.0
192	5/12/2021 11:48:42	0.0	0.0	0.0	0.0
193	5/12/2021 11:49:42	0.0	0.0	0.0	0.0
194	5/12/2021 11:50:42	0.0	0.0	0.0	0.0
195	5/12/2021 11:51:42	0.0	0.0	0.0	0.0
196	5/12/2021 11:52:42	0.0	0.0	0.0	0.0
197	5/12/2021 11:53:42	0.0	0.0	0.0	0.0
198	5/12/2021 11:54:42	0.0	0.0	0.0	0.0
199	5/12/2021 11:55:42	0.0	0.0	0.0	0.0
200	5/12/2021 11:56:42	0.0	0.0	0.0	0.0
201	5/12/2021 11:57:42	0.0	0.0	0.0	0.0
202	5/12/2021 11:58:42	0.0	0.0	0.0	0.0
203	5/12/2021 11:59:42	0.0	0.0	0.0	0.0
204	5/12/2021 12:00:42	0.0	0.0	0.0	0.0
205	5/12/2021 12:01:42	0.0	0.0	0.0	0.0
206	5/12/2021 12:02:42	0.0	0.0	0.0	0.0
207	5/12/2021 12:03:42	0.0	0.0	0.1	0.0
208	5/12/2021 12:04:42	0.0	0.0	0.0	0.0

209	5/12/2021 12:05:42	0.0	0.0	0.0	0.0
210	5/12/2021 12:06:42	0.0	0.0	0.0	0.0
211	5/12/2021 12:07:42	0.0	0.0	0.0	0.0
212	5/12/2021 12:08:42	0.0	0.0	0.0	0.0
213	5/12/2021 12:09:42	0.0	0.0	0.0	0.0
214	5/12/2021 12:10:42	0.0	0.0	0.0	0.0
215	5/12/2021 12:11:42	0.0	0.0	0.0	0.0
216	5/12/2021 12:12:42	0.0	0.0	0.0	0.0
217	5/12/2021 12:13:42	0.0	0.0	0.0	0.0
218	5/12/2021 12:14:42	0.0	0.0	0.0	0.0
219	5/12/2021 12:15:42	0.0	0.0	0.0	0.0
220	5/12/2021 12:16:42	0.0	0.0	0.1	0.1
221	5/12/2021 12:17:42	0.0	0.0	0.1	0.0
222	5/12/2021 12:18:42	0.0	0.0	0.0	0.0
223	5/12/2021 12:19:42	0.0	0.0	0.0	0.0
224	5/12/2021 12:20:42	0.0	0.0	0.0	0.0
225	5/12/2021 12:21:42	0.0	0.0	0.0	0.0
226	5/12/2021 12:22:42	0.0	0.0	0.0	0.0
Peak		0.1	0.3	0.6	0.2
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	5/12/2021 08:37:42	0.0	---
002	5/12/2021 08:38:42	0.0	---
003	5/12/2021 08:39:42	0.0	---
004	5/12/2021 08:40:42	0.0	---
005	5/12/2021 08:41:42	0.0	---
006	5/12/2021 08:42:42	0.0	---
007	5/12/2021 08:43:42	0.0	---
008	5/12/2021 08:44:42	0.0	---
009	5/12/2021 08:45:42	0.0	---
010	5/12/2021 08:46:42	0.0	---
011	5/12/2021 08:47:42	0.0	---
012	5/12/2021 08:48:42	0.0	---
013	5/12/2021 08:49:42	0.0	---
014	5/12/2021 08:50:42	0.0	---
015	5/12/2021 08:51:42	0.0	0.1
016	5/12/2021 08:52:42	0.0	0.1
017	5/12/2021 08:53:42	0.0	0.1
018	5/12/2021 08:54:42	0.0	0.1
019	5/12/2021 08:55:42	0.0	0.1
020	5/12/2021 08:56:42	0.0	0.1
021	5/12/2021 08:57:42	0.0	0.1
022	5/12/2021 08:58:42	0.0	0.1
023	5/12/2021 08:59:42	0.0	0.1
024	5/12/2021 09:00:42	0.0	0.1

025	5/12/2021 09:01:42	0.0	0.1
026	5/12/2021 09:02:42	0.0	0.1
027	5/12/2021 09:03:42	0.0	0.1
028	5/12/2021 09:04:42	0.0	0.1
029	5/12/2021 09:05:42	0.0	0.0
030	5/12/2021 09:06:42	0.0	0.0
031	5/12/2021 09:07:42	0.0	0.0
032	5/12/2021 09:08:42	0.0	0.0
033	5/12/2021 09:09:42	0.0	0.0
034	5/12/2021 09:10:42	0.0	0.0
035	5/12/2021 09:11:42	0.0	0.0
036	5/12/2021 09:12:42	0.0	0.0
037	5/12/2021 09:13:42	0.0	0.0
038	5/12/2021 09:14:42	0.0	0.0
039	5/12/2021 09:15:42	0.0	0.0
040	5/12/2021 09:16:42	0.0	0.0
041	5/12/2021 09:17:42	0.0	0.0
042	5/12/2021 09:18:42	0.0	0.0
043	5/12/2021 09:19:42	0.0	0.0
044	5/12/2021 09:20:42	0.0	0.0
045	5/12/2021 09:21:42	0.0	0.0
046	5/12/2021 09:22:42	0.0	0.0
047	5/12/2021 09:23:42	0.0	0.0
048	5/12/2021 09:24:42	0.0	0.0
049	5/12/2021 09:25:42	0.0	0.0
050	5/12/2021 09:26:42	0.0	0.0
051	5/12/2021 09:27:42	0.0	0.0
052	5/12/2021 09:28:42	0.0	0.0
053	5/12/2021 09:29:42	0.0	0.0
054	5/12/2021 09:30:42	0.0	0.0
055	5/12/2021 09:31:42	0.0	0.0
056	5/12/2021 09:32:42	0.0	0.0
057	5/12/2021 09:33:42	0.0	0.0
058	5/12/2021 09:34:42	0.0	0.0
059	5/12/2021 09:35:42	0.0	0.0
060	5/12/2021 09:36:42	0.0	0.0
061	5/12/2021 09:37:42	0.0	0.0
062	5/12/2021 09:38:42	0.0	0.0
063	5/12/2021 09:39:42	0.0	0.0
064	5/12/2021 09:40:42	0.0	0.0
065	5/12/2021 09:41:42	0.0	0.0
066	5/12/2021 09:42:42	0.0	0.0
067	5/12/2021 09:43:42	0.0	0.0
068	5/12/2021 09:44:42	0.0	0.0
069	5/12/2021 09:45:42	0.0	0.0
070	5/12/2021 09:46:42	0.0	0.0
071	5/12/2021 09:47:42	0.0	0.0
072	5/12/2021 09:48:42	0.0	0.0
073	5/12/2021 09:49:42	0.0	0.0
074	5/12/2021 09:50:42	0.0	0.0

075	5/12/2021 09:51:42	0.0	0.0
076	5/12/2021 09:52:42	0.0	0.0
077	5/12/2021 09:53:42	0.0	0.0
078	5/12/2021 09:54:42	0.0	0.0
079	5/12/2021 09:55:42	0.0	0.0
080	5/12/2021 09:56:42	0.0	0.0
081	5/12/2021 09:57:42	0.0	0.0
082	5/12/2021 09:58:42	0.0	0.0
083	5/12/2021 09:59:42	0.0	0.0
084	5/12/2021 10:00:42	0.0	0.0
085	5/12/2021 10:01:42	0.0	0.0
086	5/12/2021 10:02:42	0.0	0.0
087	5/12/2021 10:03:42	0.0	0.0
088	5/12/2021 10:04:42	0.0	0.0
089	5/12/2021 10:05:42	0.0	0.0
090	5/12/2021 10:06:42	0.0	0.0
091	5/12/2021 10:07:42	0.0	0.0
092	5/12/2021 10:08:42	0.0	0.0
093	5/12/2021 10:09:42	0.0	0.0
094	5/12/2021 10:10:42	0.0	0.0
095	5/12/2021 10:11:42	0.0	0.0
096	5/12/2021 10:12:42	0.0	0.0
097	5/12/2021 10:13:42	0.0	0.0
098	5/12/2021 10:14:42	0.0	0.0
099	5/12/2021 10:15:42	0.0	0.0
100	5/12/2021 10:16:42	0.0	0.0
101	5/12/2021 10:17:42	0.0	0.0
102	5/12/2021 10:18:42	0.0	0.0
103	5/12/2021 10:19:42	0.0	0.0
104	5/12/2021 10:20:42	0.0	0.0
105	5/12/2021 10:21:42	0.0	0.0
106	5/12/2021 10:22:42	0.0	0.0
107	5/12/2021 10:23:42	0.0	0.0
108	5/12/2021 10:24:42	0.0	0.0
109	5/12/2021 10:25:42	0.0	0.0
110	5/12/2021 10:26:42	0.0	0.0
111	5/12/2021 10:27:42	0.0	0.0
112	5/12/2021 10:28:42	0.0	0.0
113	5/12/2021 10:29:42	0.0	0.0
114	5/12/2021 10:30:42	0.0	0.0
115	5/12/2021 10:31:42	0.0	0.0
116	5/12/2021 10:32:42	0.0	0.0
117	5/12/2021 10:33:42	0.0	0.0
118	5/12/2021 10:34:42	0.0	0.0
119	5/12/2021 10:35:42	0.0	0.0
120	5/12/2021 10:36:42	0.0	0.0
121	5/12/2021 10:37:42	0.0	0.0
122	5/12/2021 10:38:42	0.0	0.0
123	5/12/2021 10:39:42	0.0	0.0
124	5/12/2021 10:40:42	0.0	0.0

125	5/12/2021 10:41:42	0.0	0.0
126	5/12/2021 10:42:42	0.0	0.0
127	5/12/2021 10:43:42	0.0	0.0
128	5/12/2021 10:44:42	0.0	0.0
129	5/12/2021 10:45:42	0.0	0.0
130	5/12/2021 10:46:42	0.0	0.0
131	5/12/2021 10:47:42	0.0	0.0
132	5/12/2021 10:48:42	0.0	0.0
133	5/12/2021 10:49:42	0.0	0.0
134	5/12/2021 10:50:42	0.0	0.0
135	5/12/2021 10:51:42	0.0	0.0
136	5/12/2021 10:52:42	0.0	0.0
137	5/12/2021 10:53:42	0.0	0.0
138	5/12/2021 10:54:42	0.0	0.0
139	5/12/2021 10:55:42	0.0	0.0
140	5/12/2021 10:56:42	0.0	0.0
141	5/12/2021 10:57:42	0.0	0.0
142	5/12/2021 10:58:42	0.0	0.0
143	5/12/2021 10:59:42	0.0	0.0
144	5/12/2021 11:00:42	0.0	0.0
145	5/12/2021 11:01:42	0.0	0.0
146	5/12/2021 11:02:42	0.0	0.0
147	5/12/2021 11:03:42	0.0	0.0
148	5/12/2021 11:04:42	0.0	0.0
149	5/12/2021 11:05:42	0.0	0.0
150	5/12/2021 11:06:42	0.0	0.0
151	5/12/2021 11:07:42	0.0	0.0
152	5/12/2021 11:08:42	0.0	0.0
153	5/12/2021 11:09:42	0.0	0.0
154	5/12/2021 11:10:42	0.0	0.0
155	5/12/2021 11:11:42	0.0	0.0
156	5/12/2021 11:12:42	0.0	0.0
157	5/12/2021 11:13:42	0.0	0.0
158	5/12/2021 11:14:42	0.0	0.0
159	5/12/2021 11:15:42	0.0	0.0
160	5/12/2021 11:16:42	0.0	0.0
161	5/12/2021 11:17:42	0.0	0.0
162	5/12/2021 11:18:42	0.0	0.0
163	5/12/2021 11:19:42	0.0	0.0
164	5/12/2021 11:20:42	0.0	0.0
165	5/12/2021 11:21:42	0.0	0.0
166	5/12/2021 11:22:42	0.0	0.0
167	5/12/2021 11:23:42	0.0	0.0
168	5/12/2021 11:24:42	0.0	0.0
169	5/12/2021 11:25:42	0.0	0.0
170	5/12/2021 11:26:42	0.0	0.0
171	5/12/2021 11:27:42	0.0	0.0
172	5/12/2021 11:28:42	0.0	0.0
173	5/12/2021 11:29:42	0.0	0.0
174	5/12/2021 11:30:42	0.0	0.0

175	5/12/2021 11:31:42	0.0	0.0
176	5/12/2021 11:32:42	0.0	0.0
177	5/12/2021 11:33:42	0.0	0.0
178	5/12/2021 11:34:42	0.0	0.0
179	5/12/2021 11:35:42	0.0	0.0
180	5/12/2021 11:36:42	0.0	0.0
181	5/12/2021 11:37:42	0.0	0.0
182	5/12/2021 11:38:42	0.0	0.0
183	5/12/2021 11:39:42	0.0	0.0
184	5/12/2021 11:40:42	0.0	0.0
185	5/12/2021 11:41:42	0.0	0.0
186	5/12/2021 11:42:42	0.0	0.0
187	5/12/2021 11:43:42	0.0	0.0
188	5/12/2021 11:44:42	0.0	0.0
189	5/12/2021 11:45:42	0.0	0.0
190	5/12/2021 11:46:42	0.0	0.0
191	5/12/2021 11:47:42	0.0	0.0
192	5/12/2021 11:48:42	0.0	0.0
193	5/12/2021 11:49:42	0.0	0.0
194	5/12/2021 11:50:42	0.0	0.0
195	5/12/2021 11:51:42	0.0	0.0
196	5/12/2021 11:52:42	0.0	0.0
197	5/12/2021 11:53:42	0.0	0.0
198	5/12/2021 11:54:42	0.0	0.0
199	5/12/2021 11:55:42	0.0	0.0
200	5/12/2021 11:56:42	0.0	0.0
201	5/12/2021 11:57:42	0.0	0.0
202	5/12/2021 11:58:42	0.0	0.0
203	5/12/2021 11:59:42	0.0	0.0
204	5/12/2021 12:00:42	0.0	0.0
205	5/12/2021 12:01:42	0.0	0.0
206	5/12/2021 12:02:42	0.0	0.0
207	5/12/2021 12:03:42	0.0	0.0
208	5/12/2021 12:04:42	0.0	0.0
209	5/12/2021 12:05:42	0.0	0.0
210	5/12/2021 12:06:42	0.0	0.0
211	5/12/2021 12:07:42	0.0	0.0
212	5/12/2021 12:08:42	0.0	0.0
213	5/12/2021 12:09:42	0.0	0.0
214	5/12/2021 12:10:42	0.0	0.0
215	5/12/2021 12:11:42	0.0	0.0
216	5/12/2021 12:12:42	0.0	0.0
217	5/12/2021 12:13:42	0.0	0.0
218	5/12/2021 12:14:42	0.0	0.0
219	5/12/2021 12:15:42	0.0	0.0
220	5/12/2021 12:16:42	0.0	0.0
221	5/12/2021 12:17:42	0.0	0.0
222	5/12/2021 12:18:42	0.0	0.0
223	5/12/2021 12:19:42	0.0	0.0
224	5/12/2021 12:20:42	0.0	0.0

225	5/12/2021 12:21:42	0.0	0.0
226	5/12/2021 12:22:42	0.0	0.0

```
============================================================
21/05/13 09:15
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000 +(PGM-7320)
Unit SN 592-928270
Unit Firmware Ver       V2.20A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Communication Mode
------------------------------------------------------------
Site ID RAE00000
User ID USER0000
------------------------------------------------------------
Begin   5/13/2021 09:15:18
End     5/13/2021 14:27:55
Sample Period(s)        60
Number of Records       312
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030018W6
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        5/13/2021 09:14
Peak    0.3
Min     0.0
Average 0.0

************************************************************
Datalog
                PID(ppm)        PID(ppm)        PID(ppm)        PID(ppm)
Index   Date/Time       (Min)   (Avg)   (Max)   (Real)
001     5/13/2021 09:16:18      0.0     0.0     0.2     0.0
002     5/13/2021 09:17:18      0.0     0.0     0.0     0.0
003     5/13/2021 09:18:18      0.0     0.2     0.3     0.2
004     5/13/2021 09:19:18      0.0     0.1     0.2     0.1
005     5/13/2021 09:20:18      0.0     0.1     0.2     0.1
006     5/13/2021 09:21:18      0.0     0.0     0.1     0.0
007     5/13/2021 09:22:18      0.0     0.0     0.1     0.0
008     5/13/2021 09:23:18      0.0     0.0     0.1     0.0
```

009	5/13/2021 09:24:18	0.0	0.0	0.0	0.0
010	5/13/2021 09:25:18	0.0	0.0	0.0	0.0
011	5/13/2021 09:26:18	0.0	0.0	0.0	0.0
012	5/13/2021 09:27:18	0.0	0.0	0.0	0.0
013	5/13/2021 09:28:18	0.0	0.0	0.0	0.0
014	5/13/2021 09:29:18	0.0	0.0	0.0	0.0
015	5/13/2021 09:30:18	0.0	0.0	0.0	0.0
016	5/13/2021 09:31:18	0.0	0.0	0.0	0.0
017	5/13/2021 09:32:18	0.0	0.0	0.0	0.0
018	5/13/2021 09:33:18	0.0	0.0	0.0	0.0
019	5/13/2021 09:34:18	0.0	0.0	0.0	0.0
020	5/13/2021 09:35:18	0.0	0.0	0.0	0.0
021	5/13/2021 09:36:18	0.0	0.0	0.0	0.0
022	5/13/2021 09:37:18	0.0	0.0	0.0	0.0
023	5/13/2021 09:38:18	0.0	0.0	0.0	0.0
024	5/13/2021 09:39:18	0.0	0.0	0.0	0.0
025	5/13/2021 09:40:18	0.0	0.0	0.0	0.0
026	5/13/2021 09:41:18	0.0	0.0	0.0	0.0
027	5/13/2021 09:42:18	0.0	0.0	0.0	0.0
028	5/13/2021 09:43:18	0.0	0.0	0.0	0.0
029	5/13/2021 09:44:18	0.0	0.0	0.0	0.0
030	5/13/2021 09:45:18	0.0	0.0	0.0	0.0
031	5/13/2021 09:46:18	0.0	0.0	0.0	0.0
032	5/13/2021 09:47:18	0.0	0.0	0.0	0.0
033	5/13/2021 09:48:18	0.0	0.0	0.0	0.0
034	5/13/2021 09:49:18	0.0	0.0	0.0	0.0
035	5/13/2021 09:50:18	0.0	0.0	0.0	0.0
036	5/13/2021 09:51:18	0.0	0.0	0.0	0.0
037	5/13/2021 09:52:18	0.0	0.0	0.0	0.0
038	5/13/2021 09:53:18	0.0	0.0	0.0	0.0
039	5/13/2021 09:54:18	0.0	0.0	0.0	0.0
040	5/13/2021 09:55:18	0.0	0.0	0.0	0.0
041	5/13/2021 09:56:18	0.0	0.0	0.0	0.0
042	5/13/2021 09:57:18	0.0	0.0	0.0	0.0
043	5/13/2021 09:58:18	0.0	0.0	0.0	0.0
044	5/13/2021 09:59:18	0.0	0.0	0.0	0.0
045	5/13/2021 10:00:18	0.0	0.0	0.0	0.0
046	5/13/2021 10:01:18	0.0	0.0	0.1	0.0
047	5/13/2021 10:02:18	0.0	0.0	0.0	0.0
048	5/13/2021 10:03:18	0.0	0.0	0.0	0.0
049	5/13/2021 10:04:18	0.0	0.0	0.0	0.0
050	5/13/2021 10:05:18	0.0	0.0	0.0	0.0
051	5/13/2021 10:06:18	0.0	0.0	0.0	0.0
052	5/13/2021 10:07:18	0.0	0.0	0.0	0.0
053	5/13/2021 10:08:18	0.0	0.0	0.0	0.0
054	5/13/2021 10:09:18	0.0	0.0	0.0	0.0
055	5/13/2021 10:10:18	0.0	0.0	0.0	0.0
056	5/13/2021 10:11:18	0.0	0.0	0.0	0.0
057	5/13/2021 10:12:18	0.0	0.0	0.0	0.0
058	5/13/2021 10:13:18	0.0	0.0	0.0	0.0

059	5/13/2021	10:14:18	0.0	0.0	0.0	0.0
060	5/13/2021	10:15:18	0.0	0.0	0.0	0.0
061	5/13/2021	10:16:18	0.0	0.0	0.0	0.0
062	5/13/2021	10:17:18	0.0	0.0	0.0	0.0
063	5/13/2021	10:18:18	0.0	0.0	0.0	0.0
064	5/13/2021	10:19:18	0.0	0.0	0.0	0.0
065	5/13/2021	10:20:18	0.0	0.0	0.0	0.0
066	5/13/2021	10:21:18	0.0	0.0	0.0	0.0
067	5/13/2021	10:22:18	0.0	0.0	0.0	0.0
068	5/13/2021	10:23:18	0.0	0.0	0.0	0.0
069	5/13/2021	10:24:18	0.0	0.0	0.0	0.0
070	5/13/2021	10:25:18	0.0	0.0	0.0	0.0
071	5/13/2021	10:26:18	0.0	0.0	0.0	0.0
072	5/13/2021	10:27:18	0.0	0.0	0.0	0.0
073	5/13/2021	10:28:18	0.0	0.0	0.0	0.0
074	5/13/2021	10:29:18	0.0	0.0	0.0	0.0
075	5/13/2021	10:30:18	0.0	0.0	0.0	0.0
076	5/13/2021	10:31:18	0.0	0.0	0.0	0.0
077	5/13/2021	10:32:18	0.0	0.0	0.0	0.0
078	5/13/2021	10:33:18	0.0	0.0	0.0	0.0
079	5/13/2021	10:34:18	0.0	0.0	0.0	0.0
080	5/13/2021	10:35:18	0.0	0.0	0.0	0.0
081	5/13/2021	10:36:18	0.0	0.0	0.0	0.0
082	5/13/2021	10:37:18	0.0	0.0	0.0	0.0
083	5/13/2021	10:38:18	0.0	0.0	0.0	0.0
084	5/13/2021	10:39:18	0.0	0.0	0.0	0.0
085	5/13/2021	10:40:18	0.0	0.0	0.0	0.0
086	5/13/2021	10:41:18	0.0	0.0	0.0	0.0
087	5/13/2021	10:42:18	0.0	0.0	0.0	0.0
088	5/13/2021	10:43:18	0.0	0.0	0.0	0.0
089	5/13/2021	10:44:18	0.0	0.0	0.0	0.0
090	5/13/2021	10:45:18	0.0	0.0	0.0	0.0
091	5/13/2021	10:46:18	0.0	0.0	0.0	0.0
092	5/13/2021	10:47:18	0.0	0.0	0.0	0.0
093	5/13/2021	10:48:18	0.0	0.0	0.0	0.0
094	5/13/2021	10:49:18	0.0	0.0	0.0	0.0
095	5/13/2021	10:50:18	0.0	0.0	0.0	0.0
096	5/13/2021	10:51:18	0.0	0.0	0.0	0.0
097	5/13/2021	10:52:18	0.0	0.0	0.0	0.0
098	5/13/2021	10:53:18	0.0	0.0	0.0	0.0
099	5/13/2021	10:54:18	0.0	0.0	0.0	0.0
100	5/13/2021	10:55:18	0.0	0.0	0.0	0.0
101	5/13/2021	10:56:18	0.0	0.0	0.0	0.0
102	5/13/2021	10:57:18	0.0	0.0	0.0	0.0
103	5/13/2021	10:58:18	0.0	0.0	0.0	0.0
104	5/13/2021	10:59:18	0.0	0.0	0.0	0.0
105	5/13/2021	11:00:18	0.0	0.0	0.0	0.0
106	5/13/2021	11:01:18	0.0	0.0	0.0	0.0
107	5/13/2021	11:02:18	0.0	0.0	0.1	0.0
108	5/13/2021	11:03:18	0.0	0.0	0.1	0.0

109	5/13/2021	11:04:18	0.0	0.0	0.0	0.0
110	5/13/2021	11:05:18	0.0	0.0	0.0	0.0
111	5/13/2021	11:06:18	0.0	0.0	0.0	0.0
112	5/13/2021	11:07:18	0.0	0.0	0.0	0.0
113	5/13/2021	11:08:18	0.0	0.0	0.0	0.0
114	5/13/2021	11:09:18	0.0	0.0	0.0	0.0
115	5/13/2021	11:10:18	0.0	0.0	0.0	0.0
116	5/13/2021	11:11:18	0.0	0.0	0.0	0.0
117	5/13/2021	11:12:18	0.0	0.0	0.0	0.0
118	5/13/2021	11:13:18	0.0	0.0	0.0	0.0
119	5/13/2021	11:14:18	0.0	0.0	0.0	0.0
120	5/13/2021	11:15:18	0.0	0.0	0.0	0.0
121	5/13/2021	11:16:18	0.0	0.0	0.0	0.0
122	5/13/2021	11:17:18	0.0	0.0	0.0	0.0
123	5/13/2021	11:18:18	0.0	0.0	0.0	0.0
124	5/13/2021	11:19:18	0.0	0.0	0.0	0.0
125	5/13/2021	11:20:18	0.0	0.0	0.0	0.0
126	5/13/2021	11:21:18	0.0	0.0	0.0	0.0
127	5/13/2021	11:22:18	0.0	0.0	0.0	0.0
128	5/13/2021	11:23:18	0.0	0.0	0.0	0.0
129	5/13/2021	11:24:18	0.0	0.0	0.0	0.0
130	5/13/2021	11:25:18	0.0	0.0	0.0	0.0
131	5/13/2021	11:26:18	0.0	0.0	0.0	0.0
132	5/13/2021	11:27:18	0.0	0.0	0.0	0.0
133	5/13/2021	11:28:18	0.0	0.0	0.0	0.0
134	5/13/2021	11:29:18	0.0	0.0	0.0	0.0
135	5/13/2021	11:30:18	0.0	0.0	0.0	0.0
136	5/13/2021	11:31:18	0.0	0.0	0.0	0.0
137	5/13/2021	11:32:18	0.0	0.0	0.0	0.0
138	5/13/2021	11:33:18	0.0	0.0	0.0	0.0
139	5/13/2021	11:34:18	0.0	0.0	0.0	0.0
140	5/13/2021	11:35:18	0.0	0.0	0.0	0.0
141	5/13/2021	11:36:18	0.0	0.0	0.0	0.0
142	5/13/2021	11:37:18	0.0	0.0	0.0	0.0
143	5/13/2021	11:38:18	0.0	0.0	0.0	0.0
144	5/13/2021	11:39:18	0.0	0.0	0.0	0.0
145	5/13/2021	11:40:18	0.0	0.0	0.0	0.0
146	5/13/2021	11:41:18	0.0	0.0	0.0	0.0
147	5/13/2021	11:42:18	0.0	0.0	0.0	0.0
148	5/13/2021	11:43:18	0.0	0.0	0.0	0.0
149	5/13/2021	11:44:18	0.0	0.0	0.0	0.0
150	5/13/2021	11:45:18	0.0	0.0	0.0	0.0
151	5/13/2021	11:46:18	0.0	0.0	0.0	0.0
152	5/13/2021	11:47:18	0.0	0.0	0.0	0.0
153	5/13/2021	11:48:18	0.0	0.0	0.0	0.0
154	5/13/2021	11:49:18	0.0	0.0	0.0	0.0
155	5/13/2021	11:50:18	0.0	0.0	0.0	0.0
156	5/13/2021	11:51:18	0.0	0.0	0.0	0.0
157	5/13/2021	11:52:18	0.0	0.0	0.0	0.0
158	5/13/2021	11:53:18	0.0	0.0	0.0	0.0

159	5/13/2021	11:54:18	0.0	0.0	0.0	0.0
160	5/13/2021	11:55:18	0.0	0.0	0.0	0.0
161	5/13/2021	11:56:18	0.0	0.0	0.0	0.0
162	5/13/2021	11:57:18	0.0	0.0	0.0	0.0
163	5/13/2021	11:58:18	0.0	0.0	0.0	0.0
164	5/13/2021	11:59:18	0.0	0.0	0.0	0.0
165	5/13/2021	12:00:18	0.0	0.0	0.0	0.0
166	5/13/2021	12:01:18	0.0	0.0	0.0	0.0
167	5/13/2021	12:02:18	0.0	0.0	0.0	0.0
168	5/13/2021	12:03:18	0.0	0.0	0.0	0.0
169	5/13/2021	12:04:18	0.0	0.0	0.0	0.0
170	5/13/2021	12:05:18	0.0	0.0	0.0	0.0
171	5/13/2021	12:06:18	0.0	0.0	0.0	0.0
172	5/13/2021	12:07:18	0.0	0.0	0.0	0.0
173	5/13/2021	12:08:18	0.0	0.0	0.0	0.0
174	5/13/2021	12:09:18	0.0	0.0	0.0	0.0
175	5/13/2021	12:10:18	0.0	0.0	0.0	0.0
176	5/13/2021	12:11:18	0.0	0.0	0.0	0.0
177	5/13/2021	12:12:18	0.0	0.0	0.0	0.0
178	5/13/2021	12:13:18	0.0	0.0	0.0	0.0
179	5/13/2021	12:14:18	0.0	0.0	0.0	0.0
180	5/13/2021	12:15:18	0.0	0.0	0.0	0.0
181	5/13/2021	12:16:18	0.0	0.0	0.0	0.0
182	5/13/2021	12:17:18	0.0	0.0	0.0	0.0
183	5/13/2021	12:18:18	0.0	0.0	0.0	0.0
184	5/13/2021	12:19:18	0.0	0.0	0.0	0.0
185	5/13/2021	12:20:18	0.0	0.0	0.0	0.0
186	5/13/2021	12:21:18	0.0	0.0	0.0	0.0
187	5/13/2021	12:22:18	0.0	0.0	0.0	0.0
188	5/13/2021	12:23:18	0.0	0.0	0.0	0.0
189	5/13/2021	12:24:18	0.0	0.0	0.0	0.0
190	5/13/2021	12:25:18	0.0	0.0	0.0	0.0
191	5/13/2021	12:26:18	0.0	0.0	0.0	0.0
192	5/13/2021	12:27:18	0.0	0.0	0.0	0.0
193	5/13/2021	12:28:18	0.0	0.0	0.0	0.0
194	5/13/2021	12:29:18	0.0	0.0	0.0	0.0
195	5/13/2021	12:30:18	0.0	0.0	0.0	0.0
196	5/13/2021	12:31:18	0.0	0.0	0.0	0.0
197	5/13/2021	12:32:18	0.0	0.0	0.0	0.0
198	5/13/2021	12:33:18	0.0	0.0	0.0	0.0
199	5/13/2021	12:34:18	0.0	0.0	0.0	0.0
200	5/13/2021	12:35:18	0.0	0.0	0.0	0.0
201	5/13/2021	12:36:18	0.0	0.0	0.0	0.0
202	5/13/2021	12:37:18	0.0	0.0	0.0	0.0
203	5/13/2021	12:38:18	0.0	0.0	0.0	0.0
204	5/13/2021	12:39:18	0.0	0.0	0.0	0.0
205	5/13/2021	12:40:18	0.0	0.0	0.0	0.0
206	5/13/2021	12:41:18	0.0	0.0	0.0	0.0
207	5/13/2021	12:42:18	0.0	0.0	0.0	0.0
208	5/13/2021	12:43:18	0.0	0.0	0.0	0.0

209	5/13/2021 12:44:18	0.0	0.0	0.0	0.0
210	5/13/2021 12:45:18	0.0	0.0	0.0	0.0
211	5/13/2021 12:46:18	0.0	0.0	0.0	0.0
212	5/13/2021 12:47:18	0.0	0.0	0.0	0.0
213	5/13/2021 12:48:18	0.0	0.0	0.0	0.0
214	5/13/2021 12:49:18	0.0	0.0	0.0	0.0
215	5/13/2021 12:50:18	0.0	0.0	0.0	0.0
216	5/13/2021 12:51:18	0.0	0.0	0.0	0.0
217	5/13/2021 12:52:18	0.0	0.0	0.0	0.0
218	5/13/2021 12:53:18	0.0	0.0	0.0	0.0
219	5/13/2021 12:54:18	0.0	0.0	0.0	0.0
220	5/13/2021 12:55:18	0.0	0.0	0.0	0.0
221	5/13/2021 12:56:18	0.0	0.0	0.0	0.0
222	5/13/2021 12:57:18	0.0	0.0	0.0	0.0
223	5/13/2021 12:58:18	0.0	0.0	0.0	0.0
224	5/13/2021 12:59:18	0.0	0.0	0.0	0.0
225	5/13/2021 13:00:18	0.0	0.0	0.0	0.0
226	5/13/2021 13:01:18	0.0	0.0	0.0	0.0
227	5/13/2021 13:02:18	0.0	0.0	0.0	0.0
228	5/13/2021 13:03:18	0.0	0.0	0.0	0.0
229	5/13/2021 13:04:18	0.0	0.0	0.0	0.0
230	5/13/2021 13:05:18	0.0	0.0	0.0	0.0
231	5/13/2021 13:06:18	0.0	0.0	0.0	0.0
232	5/13/2021 13:07:18	0.0	0.0	0.0	0.0
233	5/13/2021 13:08:18	0.0	0.0	0.0	0.0
234	5/13/2021 13:09:18	0.0	0.0	0.0	0.0
235	5/13/2021 13:10:18	0.0	0.0	0.0	0.0
236	5/13/2021 13:11:18	0.0	0.0	0.0	0.0
237	5/13/2021 13:12:18	0.0	0.1	0.4	0.0
238	5/13/2021 13:13:18	0.0	0.0	0.0	0.0
239	5/13/2021 13:14:18	0.0	0.0	0.1	0.1
240	5/13/2021 13:15:18	0.0	0.0	0.2	0.0
241	5/13/2021 13:16:18	0.0	0.0	0.1	0.0
242	5/13/2021 13:17:18	0.0	0.0	0.0	0.0
243	5/13/2021 13:18:18	0.0	0.0	0.0	0.0
244	5/13/2021 13:19:18	0.0	0.0	0.0	0.0
245	5/13/2021 13:20:18	0.0	0.0	0.0	0.0
246	5/13/2021 13:21:18	0.0	0.0	0.0	0.0
247	5/13/2021 13:22:18	0.0	0.0	0.0	0.0
248	5/13/2021 13:23:18	0.0	0.0	0.0	0.0
249	5/13/2021 13:24:18	0.0	0.0	0.0	0.0
250	5/13/2021 13:25:18	0.0	0.0	0.0	0.0
251	5/13/2021 13:26:18	0.0	0.0	0.0	0.0
252	5/13/2021 13:27:18	0.0	0.0	0.0	0.0
253	5/13/2021 13:28:18	0.0	0.0	0.0	0.0
254	5/13/2021 13:29:18	0.0	0.0	0.0	0.0
255	5/13/2021 13:30:18	0.0	0.0	0.1	0.0
256	5/13/2021 13:31:18	0.0	0.0	0.1	0.0
257	5/13/2021 13:32:18	0.0	0.0	0.0	0.0
258	5/13/2021 13:33:18	0.0	0.0	0.0	0.0

259	5/13/2021	13:34:18	0.0	0.0	0.0	0.0
260	5/13/2021	13:35:18	0.0	0.0	0.0	0.0
261	5/13/2021	13:36:18	0.0	0.0	0.0	0.0
262	5/13/2021	13:37:18	0.0	0.0	0.0	0.0
263	5/13/2021	13:38:18	0.0	0.0	0.0	0.0
264	5/13/2021	13:39:18	0.0	0.0	0.0	0.0
265	5/13/2021	13:40:18	0.0	0.0	0.0	0.0
266	5/13/2021	13:41:18	0.0	0.0	0.0	0.0
267	5/13/2021	13:42:18	0.0	0.0	0.0	0.0
268	5/13/2021	13:43:18	0.0	0.0	0.0	0.0
269	5/13/2021	13:44:18	0.0	0.0	0.0	0.0
270	5/13/2021	13:45:18	0.0	0.0	0.0	0.0
271	5/13/2021	13:46:18	0.0	0.0	0.0	0.0
272	5/13/2021	13:47:18	0.0	0.0	0.0	0.0
273	5/13/2021	13:48:18	0.0	0.0	0.0	0.0
274	5/13/2021	13:49:18	0.0	0.0	0.0	0.0
275	5/13/2021	13:50:18	0.0	0.0	0.0	0.0
276	5/13/2021	13:51:18	0.0	0.0	0.0	0.0
277	5/13/2021	13:52:18	0.0	0.0	0.0	0.0
278	5/13/2021	13:53:18	0.0	0.0	0.0	0.0
279	5/13/2021	13:54:18	0.0	0.0	0.0	0.0
280	5/13/2021	13:55:18	0.0	0.0	0.0	0.0
281	5/13/2021	13:56:18	0.0	0.0	0.0	0.0
282	5/13/2021	13:57:18	0.0	0.0	0.0	0.0
283	5/13/2021	13:58:18	0.0	0.0	0.0	0.0
284	5/13/2021	13:59:18	0.0	0.0	0.0	0.0
285	5/13/2021	14:00:18	0.0	0.0	0.0	0.0
286	5/13/2021	14:01:18	0.0	0.0	0.0	0.0
287	5/13/2021	14:02:18	0.0	0.0	0.0	0.0
288	5/13/2021	14:03:18	0.0	0.0	0.0	0.0
289	5/13/2021	14:04:18	0.0	0.0	0.0	0.0
290	5/13/2021	14:05:18	0.0	0.0	0.0	0.0
291	5/13/2021	14:06:18	0.0	0.0	0.0	0.0
292	5/13/2021	14:07:18	0.0	0.0	0.0	0.0
293	5/13/2021	14:08:18	0.0	0.0	0.1	0.0
294	5/13/2021	14:09:18	0.0	0.0	0.0	0.0
295	5/13/2021	14:10:18	0.0	0.0	0.1	0.0
296	5/13/2021	14:11:18	0.0	0.0	0.0	0.0
297	5/13/2021	14:12:18	0.0	0.0	0.0	0.0
298	5/13/2021	14:13:18	0.0	0.0	0.0	0.0
299	5/13/2021	14:14:18	0.0	0.0	0.0	0.0
300	5/13/2021	14:15:18	0.0	0.0	0.0	0.0
301	5/13/2021	14:16:18	0.0	0.0	0.0	0.0
302	5/13/2021	14:17:18	0.0	0.0	0.0	0.0
303	5/13/2021	14:18:18	0.0	0.0	0.0	0.0
304	5/13/2021	14:19:18	0.0	0.0	0.0	0.0
305	5/13/2021	14:20:18	0.0	0.0	0.0	0.0
306	5/13/2021	14:21:18	0.0	0.0	0.0	0.0
307	5/13/2021	14:22:18	0.0	0.0	0.0	0.0
308	5/13/2021	14:23:18	0.0	0.0	0.0	0.0

309	5/13/2021 14:24:18	0.0	0.0	0.0	0.0
310	5/13/2021 14:25:18	0.0	0.0	0.0	0.0
311	5/13/2021 14:26:18	0.0	0.0	0.0	0.0
312	5/13/2021 14:27:18	0.0	0.1	0.4	0.3
Peak		0.0	0.2	0.4	0.3
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	5/13/2021 09:16:18	0.0	---
002	5/13/2021 09:17:18	0.0	---
003	5/13/2021 09:18:18	0.0	---
004	5/13/2021 09:19:18	0.0	---
005	5/13/2021 09:20:18	0.0	---
006	5/13/2021 09:21:18	0.0	---
007	5/13/2021 09:22:18	0.0	---
008	5/13/2021 09:23:18	0.0	---
009	5/13/2021 09:24:18	0.0	---
010	5/13/2021 09:25:18	0.0	---
011	5/13/2021 09:26:18	0.0	---
012	5/13/2021 09:27:18	0.0	---
013	5/13/2021 09:28:18	0.0	---
014	5/13/2021 09:29:18	0.0	---
015	5/13/2021 09:30:18	0.0	0.0
016	5/13/2021 09:31:18	0.0	0.0
017	5/13/2021 09:32:18	0.0	0.0
018	5/13/2021 09:33:18	0.0	0.0
019	5/13/2021 09:34:18	0.0	0.0
020	5/13/2021 09:35:18	0.0	0.0
021	5/13/2021 09:36:18	0.0	0.0
022	5/13/2021 09:37:18	0.0	0.0
023	5/13/2021 09:38:18	0.0	0.0
024	5/13/2021 09:39:18	0.0	0.0
025	5/13/2021 09:40:18	0.0	0.0
026	5/13/2021 09:41:18	0.0	0.0
027	5/13/2021 09:42:18	0.0	0.0
028	5/13/2021 09:43:18	0.0	0.0
029	5/13/2021 09:44:18	0.0	0.0
030	5/13/2021 09:45:18	0.0	0.0
031	5/13/2021 09:46:18	0.0	0.0
032	5/13/2021 09:47:18	0.0	0.0
033	5/13/2021 09:48:18	0.0	0.0
034	5/13/2021 09:49:18	0.0	0.0
035	5/13/2021 09:50:18	0.0	0.0
036	5/13/2021 09:51:18	0.0	0.0
037	5/13/2021 09:52:18	0.0	0.0
038	5/13/2021 09:53:18	0.0	0.0

039	5/13/2021 09:54:18	0.0	0.0
040	5/13/2021 09:55:18	0.0	0.0
041	5/13/2021 09:56:18	0.0	0.0
042	5/13/2021 09:57:18	0.0	0.0
043	5/13/2021 09:58:18	0.0	0.0
044	5/13/2021 09:59:18	0.0	0.0
045	5/13/2021 10:00:18	0.0	0.0
046	5/13/2021 10:01:18	0.0	0.0
047	5/13/2021 10:02:18	0.0	0.0
048	5/13/2021 10:03:18	0.0	0.0
049	5/13/2021 10:04:18	0.0	0.0
050	5/13/2021 10:05:18	0.0	0.0
051	5/13/2021 10:06:18	0.0	0.0
052	5/13/2021 10:07:18	0.0	0.0
053	5/13/2021 10:08:18	0.0	0.0
054	5/13/2021 10:09:18	0.0	0.0
055	5/13/2021 10:10:18	0.0	0.0
056	5/13/2021 10:11:18	0.0	0.0
057	5/13/2021 10:12:18	0.0	0.0
058	5/13/2021 10:13:18	0.0	0.0
059	5/13/2021 10:14:18	0.0	0.0
060	5/13/2021 10:15:18	0.0	0.0
061	5/13/2021 10:16:18	0.0	0.0
062	5/13/2021 10:17:18	0.0	0.0
063	5/13/2021 10:18:18	0.0	0.0
064	5/13/2021 10:19:18	0.0	0.0
065	5/13/2021 10:20:18	0.0	0.0
066	5/13/2021 10:21:18	0.0	0.0
067	5/13/2021 10:22:18	0.0	0.0
068	5/13/2021 10:23:18	0.0	0.0
069	5/13/2021 10:24:18	0.0	0.0
070	5/13/2021 10:25:18	0.0	0.0
071	5/13/2021 10:26:18	0.0	0.0
072	5/13/2021 10:27:18	0.0	0.0
073	5/13/2021 10:28:18	0.0	0.0
074	5/13/2021 10:29:18	0.0	0.0
075	5/13/2021 10:30:18	0.0	0.0
076	5/13/2021 10:31:18	0.0	0.0
077	5/13/2021 10:32:18	0.0	0.0
078	5/13/2021 10:33:18	0.0	0.0
079	5/13/2021 10:34:18	0.0	0.0
080	5/13/2021 10:35:18	0.0	0.0
081	5/13/2021 10:36:18	0.0	0.0
082	5/13/2021 10:37:18	0.0	0.0
083	5/13/2021 10:38:18	0.0	0.0
084	5/13/2021 10:39:18	0.0	0.0
085	5/13/2021 10:40:18	0.0	0.0
086	5/13/2021 10:41:18	0.0	0.0
087	5/13/2021 10:42:18	0.0	0.0
088	5/13/2021 10:43:18	0.0	0.0

089	5/13/2021 10:44:18	0.0	0.0
090	5/13/2021 10:45:18	0.0	0.0
091	5/13/2021 10:46:18	0.0	0.0
092	5/13/2021 10:47:18	0.0	0.0
093	5/13/2021 10:48:18	0.0	0.0
094	5/13/2021 10:49:18	0.0	0.0
095	5/13/2021 10:50:18	0.0	0.0
096	5/13/2021 10:51:18	0.0	0.0
097	5/13/2021 10:52:18	0.0	0.0
098	5/13/2021 10:53:18	0.0	0.0
099	5/13/2021 10:54:18	0.0	0.0
100	5/13/2021 10:55:18	0.0	0.0
101	5/13/2021 10:56:18	0.0	0.0
102	5/13/2021 10:57:18	0.0	0.0
103	5/13/2021 10:58:18	0.0	0.0
104	5/13/2021 10:59:18	0.0	0.0
105	5/13/2021 11:00:18	0.0	0.0
106	5/13/2021 11:01:18	0.0	0.0
107	5/13/2021 11:02:18	0.0	0.0
108	5/13/2021 11:03:18	0.0	0.0
109	5/13/2021 11:04:18	0.0	0.0
110	5/13/2021 11:05:18	0.0	0.0
111	5/13/2021 11:06:18	0.0	0.0
112	5/13/2021 11:07:18	0.0	0.0
113	5/13/2021 11:08:18	0.0	0.0
114	5/13/2021 11:09:18	0.0	0.0
115	5/13/2021 11:10:18	0.0	0.0
116	5/13/2021 11:11:18	0.0	0.0
117	5/13/2021 11:12:18	0.0	0.0
118	5/13/2021 11:13:18	0.0	0.0
119	5/13/2021 11:14:18	0.0	0.0
120	5/13/2021 11:15:18	0.0	0.0
121	5/13/2021 11:16:18	0.0	0.0
122	5/13/2021 11:17:18	0.0	0.0
123	5/13/2021 11:18:18	0.0	0.0
124	5/13/2021 11:19:18	0.0	0.0
125	5/13/2021 11:20:18	0.0	0.0
126	5/13/2021 11:21:18	0.0	0.0
127	5/13/2021 11:22:18	0.0	0.0
128	5/13/2021 11:23:18	0.0	0.0
129	5/13/2021 11:24:18	0.0	0.0
130	5/13/2021 11:25:18	0.0	0.0
131	5/13/2021 11:26:18	0.0	0.0
132	5/13/2021 11:27:18	0.0	0.0
133	5/13/2021 11:28:18	0.0	0.0
134	5/13/2021 11:29:18	0.0	0.0
135	5/13/2021 11:30:18	0.0	0.0
136	5/13/2021 11:31:18	0.0	0.0
137	5/13/2021 11:32:18	0.0	0.0
138	5/13/2021 11:33:18	0.0	0.0

139	5/13/2021 11:34:18	0.0	0.0
140	5/13/2021 11:35:18	0.0	0.0
141	5/13/2021 11:36:18	0.0	0.0
142	5/13/2021 11:37:18	0.0	0.0
143	5/13/2021 11:38:18	0.0	0.0
144	5/13/2021 11:39:18	0.0	0.0
145	5/13/2021 11:40:18	0.0	0.0
146	5/13/2021 11:41:18	0.0	0.0
147	5/13/2021 11:42:18	0.0	0.0
148	5/13/2021 11:43:18	0.0	0.0
149	5/13/2021 11:44:18	0.0	0.0
150	5/13/2021 11:45:18	0.0	0.0
151	5/13/2021 11:46:18	0.0	0.0
152	5/13/2021 11:47:18	0.0	0.0
153	5/13/2021 11:48:18	0.0	0.0
154	5/13/2021 11:49:18	0.0	0.0
155	5/13/2021 11:50:18	0.0	0.0
156	5/13/2021 11:51:18	0.0	0.0
157	5/13/2021 11:52:18	0.0	0.0
158	5/13/2021 11:53:18	0.0	0.0
159	5/13/2021 11:54:18	0.0	0.0
160	5/13/2021 11:55:18	0.0	0.0
161	5/13/2021 11:56:18	0.0	0.0
162	5/13/2021 11:57:18	0.0	0.0
163	5/13/2021 11:58:18	0.0	0.0
164	5/13/2021 11:59:18	0.0	0.0
165	5/13/2021 12:00:18	0.0	0.0
166	5/13/2021 12:01:18	0.0	0.0
167	5/13/2021 12:02:18	0.0	0.0
168	5/13/2021 12:03:18	0.0	0.0
169	5/13/2021 12:04:18	0.0	0.0
170	5/13/2021 12:05:18	0.0	0.0
171	5/13/2021 12:06:18	0.0	0.0
172	5/13/2021 12:07:18	0.0	0.0
173	5/13/2021 12:08:18	0.0	0.0
174	5/13/2021 12:09:18	0.0	0.0
175	5/13/2021 12:10:18	0.0	0.0
176	5/13/2021 12:11:18	0.0	0.0
177	5/13/2021 12:12:18	0.0	0.0
178	5/13/2021 12:13:18	0.0	0.0
179	5/13/2021 12:14:18	0.0	0.0
180	5/13/2021 12:15:18	0.0	0.0
181	5/13/2021 12:16:18	0.0	0.0
182	5/13/2021 12:17:18	0.0	0.0
183	5/13/2021 12:18:18	0.0	0.0
184	5/13/2021 12:19:18	0.0	0.0
185	5/13/2021 12:20:18	0.0	0.0
186	5/13/2021 12:21:18	0.0	0.0
187	5/13/2021 12:22:18	0.0	0.0
188	5/13/2021 12:23:18	0.0	0.0

189	5/13/2021 12:24:18	0.0	0.0
190	5/13/2021 12:25:18	0.0	0.0
191	5/13/2021 12:26:18	0.0	0.0
192	5/13/2021 12:27:18	0.0	0.0
193	5/13/2021 12:28:18	0.0	0.0
194	5/13/2021 12:29:18	0.0	0.0
195	5/13/2021 12:30:18	0.0	0.0
196	5/13/2021 12:31:18	0.0	0.0
197	5/13/2021 12:32:18	0.0	0.0
198	5/13/2021 12:33:18	0.0	0.0
199	5/13/2021 12:34:18	0.0	0.0
200	5/13/2021 12:35:18	0.0	0.0
201	5/13/2021 12:36:18	0.0	0.0
202	5/13/2021 12:37:18	0.0	0.0
203	5/13/2021 12:38:18	0.0	0.0
204	5/13/2021 12:39:18	0.0	0.0
205	5/13/2021 12:40:18	0.0	0.0
206	5/13/2021 12:41:18	0.0	0.0
207	5/13/2021 12:42:18	0.0	0.0
208	5/13/2021 12:43:18	0.0	0.0
209	5/13/2021 12:44:18	0.0	0.0
210	5/13/2021 12:45:18	0.0	0.0
211	5/13/2021 12:46:18	0.0	0.0
212	5/13/2021 12:47:18	0.0	0.0
213	5/13/2021 12:48:18	0.0	0.0
214	5/13/2021 12:49:18	0.0	0.0
215	5/13/2021 12:50:18	0.0	0.0
216	5/13/2021 12:51:18	0.0	0.0
217	5/13/2021 12:52:18	0.0	0.0
218	5/13/2021 12:53:18	0.0	0.0
219	5/13/2021 12:54:18	0.0	0.0
220	5/13/2021 12:55:18	0.0	0.0
221	5/13/2021 12:56:18	0.0	0.0
222	5/13/2021 12:57:18	0.0	0.0
223	5/13/2021 12:58:18	0.0	0.0
224	5/13/2021 12:59:18	0.0	0.0
225	5/13/2021 13:00:18	0.0	0.0
226	5/13/2021 13:01:18	0.0	0.0
227	5/13/2021 13:02:18	0.0	0.0
228	5/13/2021 13:03:18	0.0	0.0
229	5/13/2021 13:04:18	0.0	0.0
230	5/13/2021 13:05:18	0.0	0.0
231	5/13/2021 13:06:18	0.0	0.0
232	5/13/2021 13:07:18	0.0	0.0
233	5/13/2021 13:08:18	0.0	0.0
234	5/13/2021 13:09:18	0.0	0.0
235	5/13/2021 13:10:18	0.0	0.0
236	5/13/2021 13:11:18	0.0	0.0
237	5/13/2021 13:12:18	0.0	0.0
238	5/13/2021 13:13:18	0.0	0.0

239	5/13/2021 13:14:18	0.0	0.0
240	5/13/2021 13:15:18	0.0	0.0
241	5/13/2021 13:16:18	0.0	0.0
242	5/13/2021 13:17:18	0.0	0.0
243	5/13/2021 13:18:18	0.0	0.0
244	5/13/2021 13:19:18	0.0	0.0
245	5/13/2021 13:20:18	0.0	0.0
246	5/13/2021 13:21:18	0.0	0.0
247	5/13/2021 13:22:18	0.0	0.0
248	5/13/2021 13:23:18	0.0	0.0
249	5/13/2021 13:24:18	0.0	0.0
250	5/13/2021 13:25:18	0.0	0.0
251	5/13/2021 13:26:18	0.0	0.0
252	5/13/2021 13:27:18	0.0	0.0
253	5/13/2021 13:28:18	0.0	0.0
254	5/13/2021 13:29:18	0.0	0.0
255	5/13/2021 13:30:18	0.0	0.0
256	5/13/2021 13:31:18	0.0	0.0
257	5/13/2021 13:32:18	0.0	0.0
258	5/13/2021 13:33:18	0.0	0.0
259	5/13/2021 13:34:18	0.0	0.0
260	5/13/2021 13:35:18	0.0	0.0
261	5/13/2021 13:36:18	0.0	0.0
262	5/13/2021 13:37:18	0.0	0.0
263	5/13/2021 13:38:18	0.0	0.0
264	5/13/2021 13:39:18	0.0	0.0
265	5/13/2021 13:40:18	0.0	0.0
266	5/13/2021 13:41:18	0.0	0.0
267	5/13/2021 13:42:18	0.0	0.0
268	5/13/2021 13:43:18	0.0	0.0
269	5/13/2021 13:44:18	0.0	0.0
270	5/13/2021 13:45:18	0.0	0.0
271	5/13/2021 13:46:18	0.0	0.0
272	5/13/2021 13:47:18	0.0	0.0
273	5/13/2021 13:48:18	0.0	0.0
274	5/13/2021 13:49:18	0.0	0.0
275	5/13/2021 13:50:18	0.0	0.0
276	5/13/2021 13:51:18	0.0	0.0
277	5/13/2021 13:52:18	0.0	0.0
278	5/13/2021 13:53:18	0.0	0.0
279	5/13/2021 13:54:18	0.0	0.0
280	5/13/2021 13:55:18	0.0	0.0
281	5/13/2021 13:56:18	0.0	0.0
282	5/13/2021 13:57:18	0.0	0.0
283	5/13/2021 13:58:18	0.0	0.0
284	5/13/2021 13:59:18	0.0	0.0
285	5/13/2021 14:00:18	0.0	0.0
286	5/13/2021 14:01:18	0.0	0.0
287	5/13/2021 14:02:18	0.0	0.0
288	5/13/2021 14:03:18	0.0	0.0

289	5/13/2021 14:04:18	0.0	0.0
290	5/13/2021 14:05:18	0.0	0.0
291	5/13/2021 14:06:18	0.0	0.0
292	5/13/2021 14:07:18	0.0	0.0
293	5/13/2021 14:08:18	0.0	0.0
294	5/13/2021 14:09:18	0.0	0.0
295	5/13/2021 14:10:18	0.0	0.0
296	5/13/2021 14:11:18	0.0	0.0
297	5/13/2021 14:12:18	0.0	0.0
298	5/13/2021 14:13:18	0.0	0.0
299	5/13/2021 14:14:18	0.0	0.0
300	5/13/2021 14:15:18	0.0	0.0
301	5/13/2021 14:16:18	0.0	0.0
302	5/13/2021 14:17:18	0.0	0.0
303	5/13/2021 14:18:18	0.0	0.0
304	5/13/2021 14:19:18	0.0	0.0
305	5/13/2021 14:20:18	0.0	0.0
306	5/13/2021 14:21:18	0.0	0.0
307	5/13/2021 14:22:18	0.0	0.0
308	5/13/2021 14:23:18	0.0	0.0
309	5/13/2021 14:24:18	0.0	0.0
310	5/13/2021 14:25:18	0.0	0.0
311	5/13/2021 14:26:18	0.0	0.0
312	5/13/2021 14:27:18	0.0	0.0

```
============================================================
21/05/17 08:27
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000 +(PGM-7320)
Unit SN 592-928270
Unit Firmware Ver       V2.20A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Communication Mode
------------------------------------------------------------
Site ID RAE00000
User ID USER0000
------------------------------------------------------------
Begin   5/17/2021 08:27:18
End     5/17/2021 14:41:25
Sample Period(s)        60
Number of Records       374
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030018W6
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        5/17/2021 08:27
Peak    0.2
Min     0.0
Average 0.0

************************************************************
Datalog
                PID(ppm)        PID(ppm)        PID(ppm)        PID(ppm)
Index   Date/Time       (Min)   (Avg)   (Max)   (Real)
001     5/17/2021 08:28:18      0.0     0.0     0.2     0.2
002     5/17/2021 08:29:18      0.0     0.0     0.2     0.0
003     5/17/2021 08:30:18      0.0     0.0     0.0     0.0
004     5/17/2021 08:31:18      0.0     0.0     0.0     0.0
005     5/17/2021 08:32:18      0.0     0.0     0.0     0.0
006     5/17/2021 08:33:18      0.0     0.0     0.1     0.1
007     5/17/2021 08:34:18      0.0     0.1     0.2     0.0
008     5/17/2021 08:35:18      0.0     0.0     0.1     0.0
```

009	5/17/2021	08:36:18	0.0	0.0	0.2	0.0
010	5/17/2021	08:37:18	0.0	0.0	0.1	0.0
011	5/17/2021	08:38:18	0.0	0.1	0.2	0.0
012	5/17/2021	08:39:18	0.0	0.0	0.0	0.0
013	5/17/2021	08:40:18	0.0	0.0	0.0	0.0
014	5/17/2021	08:41:18	0.0	0.0	0.0	0.0
015	5/17/2021	08:42:18	0.0	0.0	0.0	0.0
016	5/17/2021	08:43:18	0.0	0.0	0.0	0.0
017	5/17/2021	08:44:18	0.0	0.0	0.1	0.0
018	5/17/2021	08:45:18	0.0	0.0	0.0	0.0
019	5/17/2021	08:46:18	0.0	0.0	0.0	0.0
020	5/17/2021	08:47:18	0.0	0.0	0.0	0.0
021	5/17/2021	08:48:18	0.0	0.0	0.1	0.0
022	5/17/2021	08:49:18	0.0	0.0	0.0	0.0
023	5/17/2021	08:50:18	0.0	0.0	0.0	0.0
024	5/17/2021	08:51:18	0.0	0.0	0.0	0.0
025	5/17/2021	08:52:18	0.0	0.0	0.0	0.0
026	5/17/2021	08:53:18	0.0	0.0	0.0	0.0
027	5/17/2021	08:54:18	0.0	0.0	0.0	0.0
028	5/17/2021	08:55:18	0.0	0.0	0.0	0.0
029	5/17/2021	08:56:18	0.0	0.0	0.1	0.0
030	5/17/2021	08:57:18	0.0	0.0	0.0	0.0
031	5/17/2021	08:58:18	0.0	0.0	0.0	0.0
032	5/17/2021	08:59:18	0.0	0.0	0.0	0.0
033	5/17/2021	09:00:18	0.0	0.0	0.0	0.0
034	5/17/2021	09:01:18	0.0	0.0	0.0	0.0
035	5/17/2021	09:02:18	0.0	0.0	0.0	0.0
036	5/17/2021	09:03:18	0.0	0.0	0.1	0.0
037	5/17/2021	09:04:18	0.0	0.1	0.2	0.0
038	5/17/2021	09:05:18	0.0	0.0	0.1	0.0
039	5/17/2021	09:06:18	0.0	0.0	0.2	0.2
040	5/17/2021	09:07:18	0.0	0.1	0.4	0.0
041	5/17/2021	09:08:18	0.0	0.0	0.0	0.0
042	5/17/2021	09:09:18	0.0	0.0	0.0	0.0
043	5/17/2021	09:10:18	0.0	0.0	0.0	0.0
044	5/17/2021	09:11:18	0.0	0.0	0.0	0.0
045	5/17/2021	09:12:18	0.0	0.0	0.0	0.0
046	5/17/2021	09:13:18	0.0	0.0	0.0	0.0
047	5/17/2021	09:14:18	0.0	0.0	0.0	0.0
048	5/17/2021	09:15:18	0.0	0.0	0.0	0.0
049	5/17/2021	09:16:18	0.0	0.0	0.0	0.0
050	5/17/2021	09:17:18	0.0	0.0	0.0	0.0
051	5/17/2021	09:18:18	0.0	0.0	0.0	0.0
052	5/17/2021	09:19:18	0.0	0.0	0.0	0.0
053	5/17/2021	09:20:18	0.0	0.0	0.0	0.0
054	5/17/2021	09:21:18	0.0	0.0	0.0	0.0
055	5/17/2021	09:22:18	0.0	0.0	0.0	0.0
056	5/17/2021	09:23:18	0.0	0.1	0.2	0.0
057	5/17/2021	09:24:18	0.0	0.0	0.1	0.0
058	5/17/2021	09:25:18	0.0	0.0	0.0	0.0

059	5/17/2021 09:26:18	0.0	0.0	0.0	0.0
060	5/17/2021 09:27:18	0.0	0.0	0.0	0.0
061	5/17/2021 09:28:18	0.0	0.0	0.0	0.0
062	5/17/2021 09:29:18	0.0	0.0	0.0	0.0
063	5/17/2021 09:30:18	0.0	0.0	0.0	0.0
064	5/17/2021 09:31:18	0.0	0.0	0.0	0.0
065	5/17/2021 09:32:18	0.0	0.0	0.0	0.0
066	5/17/2021 09:33:18	0.0	0.0	0.1	0.0
067	5/17/2021 09:34:18	0.0	0.0	0.0	0.0
068	5/17/2021 09:35:18	0.0	0.0	0.0	0.0
069	5/17/2021 09:36:18	0.0	0.0	0.0	0.0
070	5/17/2021 09:37:18	0.0	0.0	0.0	0.0
071	5/17/2021 09:38:18	0.0	0.0	0.3	0.0
072	5/17/2021 09:39:18	0.0	0.0	0.0	0.0
073	5/17/2021 09:40:18	0.0	0.0	0.0	0.0
074	5/17/2021 09:41:18	0.0	0.0	0.0	0.0
075	5/17/2021 09:42:18	0.0	0.0	0.0	0.0
076	5/17/2021 09:43:18	0.0	0.0	0.0	0.0
077	5/17/2021 09:44:18	0.0	0.0	0.0	0.0
078	5/17/2021 09:45:18	0.0	0.0	0.0	0.0
079	5/17/2021 09:46:18	0.0	0.0	0.0	0.0
080	5/17/2021 09:47:18	0.0	0.0	0.0	0.0
081	5/17/2021 09:48:18	0.0	0.0	0.0	0.0
082	5/17/2021 09:49:18	0.0	0.0	0.0	0.0
083	5/17/2021 09:50:18	0.0	0.0	0.0	0.0
084	5/17/2021 09:51:18	0.0	0.0	0.0	0.0
085	5/17/2021 09:52:18	0.0	0.0	0.0	0.0
086	5/17/2021 09:53:18	0.0	0.0	0.0	0.0
087	5/17/2021 09:54:18	0.0	0.0	0.0	0.0
088	5/17/2021 09:55:18	0.0	0.0	0.0	0.0
089	5/17/2021 09:56:18	0.0	0.0	0.0	0.0
090	5/17/2021 09:57:18	0.0	0.0	0.0	0.0
091	5/17/2021 09:58:18	0.0	0.0	0.0	0.0
092	5/17/2021 09:59:18	0.0	0.0	0.0	0.0
093	5/17/2021 10:00:18	0.0	0.0	0.0	0.0
094	5/17/2021 10:01:18	0.0	0.0	0.3	0.0
095	5/17/2021 10:02:18	0.0	0.0	0.2	0.0
096	5/17/2021 10:03:18	0.0	0.0	0.0	0.0
097	5/17/2021 10:04:18	0.0	0.0	0.2	0.1
098	5/17/2021 10:05:18	0.0	0.0	0.1	0.0
099	5/17/2021 10:06:18	0.0	0.0	0.0	0.0
100	5/17/2021 10:07:18	0.0	0.0	0.0	0.0
101	5/17/2021 10:08:18	0.0	0.0	0.0	0.0
102	5/17/2021 10:09:18	0.0	0.0	0.0	0.0
103	5/17/2021 10:10:18	0.0	0.0	0.0	0.0
104	5/17/2021 10:11:18	0.0	0.0	0.0	0.0
105	5/17/2021 10:12:18	0.0	0.0	0.0	0.0
106	5/17/2021 10:13:18	0.0	0.0	0.0	0.0
107	5/17/2021 10:14:18	0.0	0.0	0.0	0.0
108	5/17/2021 10:15:18	0.0	0.0	0.0	0.0

109	5/17/2021	10:16:18	0.0	0.0	0.0	0.0
110	5/17/2021	10:17:18	0.0	0.0	0.0	0.0
111	5/17/2021	10:18:18	0.0	0.0	0.0	0.0
112	5/17/2021	10:19:18	0.0	0.0	0.0	0.0
113	5/17/2021	10:20:18	0.0	0.0	0.0	0.0
114	5/17/2021	10:21:18	0.0	0.0	0.0	0.0
115	5/17/2021	10:22:18	0.0	0.0	0.0	0.0
116	5/17/2021	10:23:18	0.0	0.0	0.0	0.0
117	5/17/2021	10:24:18	0.0	0.0	0.0	0.0
118	5/17/2021	10:25:18	0.0	0.0	0.0	0.0
119	5/17/2021	10:26:18	0.0	0.0	0.0	0.0
120	5/17/2021	10:27:18	0.0	0.0	0.0	0.0
121	5/17/2021	10:28:18	0.0	0.0	0.0	0.0
122	5/17/2021	10:29:18	0.0	0.0	0.0	0.0
123	5/17/2021	10:30:18	0.0	0.0	0.0	0.0
124	5/17/2021	10:31:18	0.0	0.0	0.0	0.0
125	5/17/2021	10:32:18	0.0	0.0	0.0	0.0
126	5/17/2021	10:33:18	0.0	0.0	0.0	0.0
127	5/17/2021	10:34:18	0.0	0.0	0.0	0.0
128	5/17/2021	10:35:18	0.0	0.0	0.0	0.0
129	5/17/2021	10:36:18	0.0	0.0	0.0	0.0
130	5/17/2021	10:37:18	0.0	0.0	0.0	0.0
131	5/17/2021	10:38:18	0.0	0.0	0.0	0.0
132	5/17/2021	10:39:18	0.0	0.0	0.0	0.0
133	5/17/2021	10:40:18	0.0	0.0	0.0	0.0
134	5/17/2021	10:41:18	0.0	0.0	0.0	0.0
135	5/17/2021	10:42:18	0.0	0.0	0.0	0.0
136	5/17/2021	10:43:18	0.0	0.0	0.0	0.0
137	5/17/2021	10:44:18	0.0	0.0	0.0	0.0
138	5/17/2021	10:45:18	0.0	0.0	0.0	0.0
139	5/17/2021	10:46:18	0.0	0.0	0.0	0.0
140	5/17/2021	10:47:18	0.0	0.0	0.0	0.0
141	5/17/2021	10:48:18	0.0	0.0	0.0	0.0
142	5/17/2021	10:49:18	0.0	0.0	0.0	0.0
143	5/17/2021	10:50:18	0.0	0.0	0.0	0.0
144	5/17/2021	10:51:18	0.0	0.0	0.0	0.0
145	5/17/2021	10:52:18	0.0	0.0	0.0	0.0
146	5/17/2021	10:53:18	0.0	0.0	0.0	0.0
147	5/17/2021	10:54:18	0.0	0.0	0.0	0.0
148	5/17/2021	10:55:18	0.0	0.0	0.0	0.0
149	5/17/2021	10:56:18	0.0	0.0	0.0	0.0
150	5/17/2021	10:57:18	0.0	0.0	0.0	0.0
151	5/17/2021	10:58:18	0.0	0.0	0.0	0.0
152	5/17/2021	10:59:18	0.0	0.0	0.0	0.0
153	5/17/2021	11:00:18	0.0	0.0	0.0	0.0
154	5/17/2021	11:01:18	0.0	0.0	0.0	0.0
155	5/17/2021	11:02:18	0.0	0.0	0.0	0.0
156	5/17/2021	11:03:18	0.0	0.0	0.0	0.0
157	5/17/2021	11:04:18	0.0	0.0	0.0	0.0
158	5/17/2021	11:05:18	0.0	0.0	0.0	0.0

159	5/17/2021 11:06:18	0.0	0.0	0.0	0.0
160	5/17/2021 11:07:18	0.0	0.0	0.0	0.0
161	5/17/2021 11:08:18	0.0	0.0	0.0	0.0
162	5/17/2021 11:09:18	0.0	0.0	0.0	0.0
163	5/17/2021 11:10:18	0.0	0.0	0.0	0.0
164	5/17/2021 11:11:18	0.0	0.0	0.0	0.0
165	5/17/2021 11:12:18	0.0	0.0	0.0	0.0
166	5/17/2021 11:13:18	0.0	0.0	0.0	0.0
167	5/17/2021 11:14:18	0.0	0.0	0.0	0.0
168	5/17/2021 11:15:18	0.0	0.0	0.0	0.0
169	5/17/2021 11:16:18	0.0	0.0	0.0	0.0
170	5/17/2021 11:17:18	0.0	0.0	0.0	0.0
171	5/17/2021 11:18:18	0.0	0.0	0.0	0.0
172	5/17/2021 11:19:18	0.0	0.0	0.0	0.0
173	5/17/2021 11:20:18	0.0	0.0	0.0	0.0
174	5/17/2021 11:21:18	0.0	0.0	0.0	0.0
175	5/17/2021 11:22:18	0.0	0.0	0.0	0.0
176	5/17/2021 11:23:18	0.0	0.0	0.0	0.0
177	5/17/2021 11:24:18	0.0	0.0	0.0	0.0
178	5/17/2021 11:25:18	0.0	0.0	0.0	0.0
179	5/17/2021 11:26:18	0.0	0.0	0.0	0.0
180	5/17/2021 11:27:18	0.0	0.0	0.0	0.0
181	5/17/2021 11:28:18	0.0	0.0	0.0	0.0
182	5/17/2021 11:29:18	0.0	0.0	0.0	0.0
183	5/17/2021 11:30:18	0.0	0.0	0.0	0.0
184	5/17/2021 11:31:18	0.0	0.0	0.0	0.0
185	5/17/2021 11:32:18	0.0	0.0	0.0	0.0
186	5/17/2021 11:33:18	0.0	0.0	0.0	0.0
187	5/17/2021 11:34:18	0.0	0.0	0.0	0.0
188	5/17/2021 11:35:18	0.0	0.0	0.0	0.0
189	5/17/2021 11:36:18	0.0	0.0	0.0	0.0
190	5/17/2021 11:37:18	0.0	0.0	0.0	0.0
191	5/17/2021 11:38:18	0.0	0.0	0.0	0.0
192	5/17/2021 11:39:18	0.0	0.0	0.0	0.0
193	5/17/2021 11:40:18	0.0	0.0	0.0	0.0
194	5/17/2021 11:41:18	0.0	0.0	0.0	0.0
195	5/17/2021 11:42:18	0.0	0.0	0.0	0.0
196	5/17/2021 11:43:18	0.0	0.0	0.0	0.0
197	5/17/2021 11:44:18	0.0	0.0	0.0	0.0
198	5/17/2021 11:45:18	0.0	0.0	0.0	0.0
199	5/17/2021 11:46:18	0.0	0.0	0.0	0.0
200	5/17/2021 11:47:18	0.0	0.0	0.0	0.0
201	5/17/2021 11:48:18	0.0	0.0	0.0	0.0
202	5/17/2021 11:49:18	0.0	0.0	0.0	0.0
203	5/17/2021 11:50:18	0.0	0.0	0.0	0.0
204	5/17/2021 11:51:18	0.0	0.0	0.0	0.0
205	5/17/2021 11:52:18	0.0	0.0	0.0	0.0
206	5/17/2021 11:53:18	0.0	0.0	0.0	0.0
207	5/17/2021 11:54:18	0.0	0.0	0.0	0.0
208	5/17/2021 11:55:18	0.0	0.0	0.0	0.0

209	5/17/2021	11:56:18	0.0	0.0	0.0	0.0
210	5/17/2021	11:57:18	0.0	0.0	0.0	0.0
211	5/17/2021	11:58:18	0.0	0.0	0.0	0.0
212	5/17/2021	11:59:18	0.0	0.0	0.0	0.0
213	5/17/2021	12:00:18	0.0	0.0	0.0	0.0
214	5/17/2021	12:01:18	0.0	0.0	0.0	0.0
215	5/17/2021	12:02:18	0.0	0.0	0.0	0.0
216	5/17/2021	12:03:18	0.0	0.0	0.0	0.0
217	5/17/2021	12:04:18	0.0	0.0	0.0	0.0
218	5/17/2021	12:05:18	0.0	0.0	0.0	0.0
219	5/17/2021	12:06:18	0.0	0.0	0.0	0.0
220	5/17/2021	12:07:18	0.0	0.0	0.0	0.0
221	5/17/2021	12:08:18	0.0	0.0	0.0	0.0
222	5/17/2021	12:09:18	0.0	0.0	0.0	0.0
223	5/17/2021	12:10:18	0.0	0.0	0.0	0.0
224	5/17/2021	12:11:18	0.0	0.0	0.0	0.0
225	5/17/2021	12:12:18	0.0	0.0	0.0	0.0
226	5/17/2021	12:13:18	0.0	0.0	0.0	0.0
227	5/17/2021	12:14:18	0.0	0.0	0.0	0.0
228	5/17/2021	12:15:18	0.0	0.0	0.0	0.0
229	5/17/2021	12:16:18	0.0	0.0	0.0	0.0
230	5/17/2021	12:17:18	0.0	0.0	0.0	0.0
231	5/17/2021	12:18:18	0.0	0.0	0.0	0.0
232	5/17/2021	12:19:18	0.0	0.0	0.0	0.0
233	5/17/2021	12:20:18	0.0	0.0	0.0	0.0
234	5/17/2021	12:21:18	0.0	0.0	0.0	0.0
235	5/17/2021	12:22:18	0.0	0.0	0.0	0.0
236	5/17/2021	12:23:18	0.0	0.0	0.0	0.0
237	5/17/2021	12:24:18	0.0	0.0	0.0	0.0
238	5/17/2021	12:25:18	0.0	0.0	0.0	0.0
239	5/17/2021	12:26:18	0.0	0.0	0.0	0.0
240	5/17/2021	12:27:18	0.0	0.0	0.0	0.0
241	5/17/2021	12:28:18	0.0	0.0	0.0	0.0
242	5/17/2021	12:29:18	0.0	0.0	0.0	0.0
243	5/17/2021	12:30:18	0.0	0.0	0.0	0.0
244	5/17/2021	12:31:18	0.0	0.0	0.0	0.0
245	5/17/2021	12:32:18	0.0	0.0	0.0	0.0
246	5/17/2021	12:33:18	0.0	0.0	0.0	0.0
247	5/17/2021	12:34:18	0.0	0.0	0.0	0.0
248	5/17/2021	12:35:18	0.0	0.0	0.0	0.0
249	5/17/2021	12:36:18	0.0	0.0	0.0	0.0
250	5/17/2021	12:37:18	0.0	0.0	0.0	0.0
251	5/17/2021	12:38:18	0.0	0.0	0.0	0.0
252	5/17/2021	12:39:18	0.0	0.0	0.0	0.0
253	5/17/2021	12:40:18	0.0	0.0	0.0	0.0
254	5/17/2021	12:41:18	0.0	0.0	0.0	0.0
255	5/17/2021	12:42:18	0.0	0.0	0.0	0.0
256	5/17/2021	12:43:18	0.0	0.0	0.0	0.0
257	5/17/2021	12:44:18	0.0	0.0	0.0	0.0
258	5/17/2021	12:45:18	0.0	0.0	0.0	0.0

259	5/17/2021 12:46:18	0.0	0.0	0.0	0.0
260	5/17/2021 12:47:18	0.0	0.0	0.0	0.0
261	5/17/2021 12:48:18	0.0	0.0	0.0	0.0
262	5/17/2021 12:49:18	0.0	0.0	0.0	0.0
263	5/17/2021 12:50:18	0.0	0.0	0.0	0.0
264	5/17/2021 12:51:18	0.0	0.0	0.0	0.0
265	5/17/2021 12:52:18	0.0	0.0	0.0	0.0
266	5/17/2021 12:53:18	0.0	0.0	0.0	0.0
267	5/17/2021 12:54:18	0.0	0.0	0.0	0.0
268	5/17/2021 12:55:18	0.0	0.0	0.0	0.0
269	5/17/2021 12:56:18	0.0	0.0	0.0	0.0
270	5/17/2021 12:57:18	0.0	0.0	0.0	0.0
271	5/17/2021 12:58:18	0.0	0.0	0.0	0.0
272	5/17/2021 12:59:18	0.0	0.0	0.0	0.0
273	5/17/2021 13:00:18	0.0	0.0	0.0	0.0
274	5/17/2021 13:01:18	0.0	0.0	0.0	0.0
275	5/17/2021 13:02:18	0.0	0.0	0.0	0.0
276	5/17/2021 13:03:18	0.0	0.0	0.0	0.0
277	5/17/2021 13:04:18	0.0	0.0	0.0	0.0
278	5/17/2021 13:05:18	0.0	0.0	0.0	0.0
279	5/17/2021 13:06:18	0.0	0.0	0.0	0.0
280	5/17/2021 13:07:18	0.0	0.0	0.0	0.0
281	5/17/2021 13:08:18	0.0	0.0	0.0	0.0
282	5/17/2021 13:09:18	0.0	0.0	0.0	0.0
283	5/17/2021 13:10:18	0.0	0.0	0.0	0.0
284	5/17/2021 13:11:18	0.0	0.0	0.0	0.0
285	5/17/2021 13:12:18	0.0	0.0	0.0	0.0
286	5/17/2021 13:13:18	0.0	0.0	0.0	0.0
287	5/17/2021 13:14:18	0.0	0.0	0.0	0.0
288	5/17/2021 13:15:18	0.0	0.0	0.0	0.0
289	5/17/2021 13:16:18	0.0	0.0	0.0	0.0
290	5/17/2021 13:17:18	0.0	0.0	0.0	0.0
291	5/17/2021 13:18:18	0.0	0.0	0.0	0.0
292	5/17/2021 13:19:18	0.0	0.0	0.0	0.0
293	5/17/2021 13:20:18	0.0	0.0	0.0	0.0
294	5/17/2021 13:21:18	0.0	0.0	0.0	0.0
295	5/17/2021 13:22:18	0.0	0.0	0.0	0.0
296	5/17/2021 13:23:18	0.0	0.0	0.0	0.0
297	5/17/2021 13:24:18	0.0	0.0	0.0	0.0
298	5/17/2021 13:25:18	0.0	0.0	0.0	0.0
299	5/17/2021 13:26:18	0.0	0.0	0.0	0.0
300	5/17/2021 13:27:18	0.0	0.0	0.0	0.0
301	5/17/2021 13:28:18	0.0	0.0	0.0	0.0
302	5/17/2021 13:29:18	0.0	0.0	0.0	0.0
303	5/17/2021 13:30:18	0.0	0.0	0.0	0.0
304	5/17/2021 13:31:18	0.0	0.0	0.0	0.0
305	5/17/2021 13:32:18	0.0	0.0	0.0	0.0
306	5/17/2021 13:33:18	0.0	0.0	0.0	0.0
307	5/17/2021 13:34:18	0.0	0.0	0.0	0.0
308	5/17/2021 13:35:18	0.0	0.0	0.0	0.0

309	5/17/2021	13:36:18	0.0	0.0	0.0	0.0
310	5/17/2021	13:37:18	0.0	0.0	0.0	0.0
311	5/17/2021	13:38:18	0.0	0.0	0.0	0.0
312	5/17/2021	13:39:18	0.0	0.0	0.0	0.0
313	5/17/2021	13:40:18	0.0	0.0	0.0	0.0
314	5/17/2021	13:41:18	0.0	0.0	0.0	0.0
315	5/17/2021	13:42:18	0.0	0.0	0.0	0.0
316	5/17/2021	13:43:18	0.0	0.0	0.0	0.0
317	5/17/2021	13:44:18	0.0	0.0	0.0	0.0
318	5/17/2021	13:45:18	0.0	0.0	0.0	0.0
319	5/17/2021	13:46:18	0.0	0.0	0.0	0.0
320	5/17/2021	13:47:18	0.0	0.0	0.0	0.0
321	5/17/2021	13:48:18	0.0	0.0	0.0	0.0
322	5/17/2021	13:49:18	0.0	0.0	0.0	0.0
323	5/17/2021	13:50:18	0.0	0.0	0.0	0.0
324	5/17/2021	13:51:18	0.0	0.0	0.0	0.0
325	5/17/2021	13:52:18	0.0	0.0	0.0	0.0
326	5/17/2021	13:53:18	0.0	0.0	0.0	0.0
327	5/17/2021	13:54:18	0.0	0.0	0.0	0.0
328	5/17/2021	13:55:18	0.0	0.0	0.0	0.0
329	5/17/2021	13:56:18	0.0	0.0	0.0	0.0
330	5/17/2021	13:57:18	0.0	0.0	0.0	0.0
331	5/17/2021	13:58:18	0.0	0.0	0.0	0.0
332	5/17/2021	13:59:18	0.0	0.0	0.0	0.0
333	5/17/2021	14:00:18	0.0	0.0	0.0	0.0
334	5/17/2021	14:01:18	0.0	0.0	0.0	0.0
335	5/17/2021	14:02:18	0.0	0.0	0.0	0.0
336	5/17/2021	14:03:18	0.0	0.0	0.0	0.0
337	5/17/2021	14:04:18	0.0	0.0	0.0	0.0
338	5/17/2021	14:05:18	0.0	0.0	0.0	0.0
339	5/17/2021	14:06:18	0.0	0.0	0.0	0.0
340	5/17/2021	14:07:18	0.0	0.0	0.0	0.0
341	5/17/2021	14:08:18	0.0	0.0	0.0	0.0
342	5/17/2021	14:09:18	0.0	0.0	0.0	0.0
343	5/17/2021	14:10:18	0.0	0.0	0.0	0.0
344	5/17/2021	14:11:18	0.0	0.0	0.0	0.0
345	5/17/2021	14:12:18	0.0	0.0	0.0	0.0
346	5/17/2021	14:13:18	0.0	0.0	0.0	0.0
347	5/17/2021	14:14:18	0.0	0.0	0.0	0.0
348	5/17/2021	14:15:18	0.0	0.0	0.0	0.0
349	5/17/2021	14:16:18	0.0	0.0	0.0	0.0
350	5/17/2021	14:17:18	0.0	0.0	0.0	0.0
351	5/17/2021	14:18:18	0.0	0.0	0.0	0.0
352	5/17/2021	14:19:18	0.0	0.0	0.0	0.0
353	5/17/2021	14:20:18	0.0	0.0	0.0	0.0
354	5/17/2021	14:21:18	0.0	0.0	0.0	0.0
355	5/17/2021	14:22:18	0.0	0.0	0.0	0.0
356	5/17/2021	14:23:18	0.0	0.0	0.0	0.0
357	5/17/2021	14:24:18	0.0	0.0	0.0	0.0
358	5/17/2021	14:25:18	0.0	0.0	0.0	0.0

359	5/17/2021 14:26:18	0.0	0.0	0.0	0.0
360	5/17/2021 14:27:18	0.0	0.0	0.0	0.0
361	5/17/2021 14:28:18	0.0	0.0	0.0	0.0
362	5/17/2021 14:29:18	0.0	0.0	0.0	0.0
363	5/17/2021 14:30:18	0.0	0.0	0.0	0.0
364	5/17/2021 14:31:18	0.0	0.0	0.0	0.0
365	5/17/2021 14:32:18	0.0	0.0	0.0	0.0
366	5/17/2021 14:33:18	0.0	0.0	0.0	0.0
367	5/17/2021 14:34:18	0.0	0.0	0.0	0.0
368	5/17/2021 14:35:18	0.0	0.0	0.0	0.0
369	5/17/2021 14:36:18	0.0	0.0	0.0	0.0
370	5/17/2021 14:37:18	0.0	0.0	0.0	0.0
371	5/17/2021 14:38:18	0.0	0.0	0.0	0.0
372	5/17/2021 14:39:18	0.0	0.0	0.0	0.0
373	5/17/2021 14:40:18	0.0	0.0	0.0	0.0
374	5/17/2021 14:41:18	0.0	0.0	0.0	0.0
Peak		0.0	0.1	0.4	0.2
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	5/17/2021 08:28:18	0.0	---
002	5/17/2021 08:29:18	0.0	---
003	5/17/2021 08:30:18	0.0	---
004	5/17/2021 08:31:18	0.0	---
005	5/17/2021 08:32:18	0.0	---
006	5/17/2021 08:33:18	0.0	---
007	5/17/2021 08:34:18	0.0	---
008	5/17/2021 08:35:18	0.0	---
009	5/17/2021 08:36:18	0.0	---
010	5/17/2021 08:37:18	0.0	---
011	5/17/2021 08:38:18	0.0	---
012	5/17/2021 08:39:18	0.0	---
013	5/17/2021 08:40:18	0.0	---
014	5/17/2021 08:41:18	0.0	---
015	5/17/2021 08:42:18	0.0	0.0
016	5/17/2021 08:43:18	0.0	0.0
017	5/17/2021 08:44:18	0.0	0.0
018	5/17/2021 08:45:18	0.0	0.0
019	5/17/2021 08:46:18	0.0	0.0
020	5/17/2021 08:47:18	0.0	0.0
021	5/17/2021 08:48:18	0.0	0.0
022	5/17/2021 08:49:18	0.0	0.0
023	5/17/2021 08:50:18	0.0	0.0
024	5/17/2021 08:51:18	0.0	0.0
025	5/17/2021 08:52:18	0.0	0.0
026	5/17/2021 08:53:18	0.0	0.0

027	5/17/2021 08:54:18	0.0	0.0
028	5/17/2021 08:55:18	0.0	0.0
029	5/17/2021 08:56:18	0.0	0.0
030	5/17/2021 08:57:18	0.0	0.0
031	5/17/2021 08:58:18	0.0	0.0
032	5/17/2021 08:59:18	0.0	0.0
033	5/17/2021 09:00:18	0.0	0.0
034	5/17/2021 09:01:18	0.0	0.0
035	5/17/2021 09:02:18	0.0	0.0
036	5/17/2021 09:03:18	0.0	0.0
037	5/17/2021 09:04:18	0.0	0.0
038	5/17/2021 09:05:18	0.0	0.0
039	5/17/2021 09:06:18	0.0	0.0
040	5/17/2021 09:07:18	0.0	0.0
041	5/17/2021 09:08:18	0.0	0.0
042	5/17/2021 09:09:18	0.0	0.0
043	5/17/2021 09:10:18	0.0	0.0
044	5/17/2021 09:11:18	0.0	0.0
045	5/17/2021 09:12:18	0.0	0.0
046	5/17/2021 09:13:18	0.0	0.0
047	5/17/2021 09:14:18	0.0	0.0
048	5/17/2021 09:15:18	0.0	0.0
049	5/17/2021 09:16:18	0.0	0.0
050	5/17/2021 09:17:18	0.0	0.0
051	5/17/2021 09:18:18	0.0	0.0
052	5/17/2021 09:19:18	0.0	0.0
053	5/17/2021 09:20:18	0.0	0.0
054	5/17/2021 09:21:18	0.0	0.0
055	5/17/2021 09:22:18	0.0	0.0
056	5/17/2021 09:23:18	0.0	0.0
057	5/17/2021 09:24:18	0.0	0.0
058	5/17/2021 09:25:18	0.0	0.0
059	5/17/2021 09:26:18	0.0	0.0
060	5/17/2021 09:27:18	0.0	0.0
061	5/17/2021 09:28:18	0.0	0.0
062	5/17/2021 09:29:18	0.0	0.0
063	5/17/2021 09:30:18	0.0	0.0
064	5/17/2021 09:31:18	0.0	0.0
065	5/17/2021 09:32:18	0.0	0.0
066	5/17/2021 09:33:18	0.0	0.0
067	5/17/2021 09:34:18	0.0	0.0
068	5/17/2021 09:35:18	0.0	0.0
069	5/17/2021 09:36:18	0.0	0.0
070	5/17/2021 09:37:18	0.0	0.0
071	5/17/2021 09:38:18	0.0	0.0
072	5/17/2021 09:39:18	0.0	0.0
073	5/17/2021 09:40:18	0.0	0.0
074	5/17/2021 09:41:18	0.0	0.0
075	5/17/2021 09:42:18	0.0	0.0
076	5/17/2021 09:43:18	0.0	0.0

077	5/17/2021 09:44:18	0.0	0.0
078	5/17/2021 09:45:18	0.0	0.0
079	5/17/2021 09:46:18	0.0	0.0
080	5/17/2021 09:47:18	0.0	0.0
081	5/17/2021 09:48:18	0.0	0.0
082	5/17/2021 09:49:18	0.0	0.0
083	5/17/2021 09:50:18	0.0	0.0
084	5/17/2021 09:51:18	0.0	0.0
085	5/17/2021 09:52:18	0.0	0.0
086	5/17/2021 09:53:18	0.0	0.0
087	5/17/2021 09:54:18	0.0	0.0
088	5/17/2021 09:55:18	0.0	0.0
089	5/17/2021 09:56:18	0.0	0.0
090	5/17/2021 09:57:18	0.0	0.0
091	5/17/2021 09:58:18	0.0	0.0
092	5/17/2021 09:59:18	0.0	0.0
093	5/17/2021 10:00:18	0.0	0.0
094	5/17/2021 10:01:18	0.0	0.0
095	5/17/2021 10:02:18	0.0	0.0
096	5/17/2021 10:03:18	0.0	0.0
097	5/17/2021 10:04:18	0.0	0.0
098	5/17/2021 10:05:18	0.0	0.0
099	5/17/2021 10:06:18	0.0	0.0
100	5/17/2021 10:07:18	0.0	0.0
101	5/17/2021 10:08:18	0.0	0.0
102	5/17/2021 10:09:18	0.0	0.0
103	5/17/2021 10:10:18	0.0	0.0
104	5/17/2021 10:11:18	0.0	0.0
105	5/17/2021 10:12:18	0.0	0.0
106	5/17/2021 10:13:18	0.0	0.0
107	5/17/2021 10:14:18	0.0	0.0
108	5/17/2021 10:15:18	0.0	0.0
109	5/17/2021 10:16:18	0.0	0.0
110	5/17/2021 10:17:18	0.0	0.0
111	5/17/2021 10:18:18	0.0	0.0
112	5/17/2021 10:19:18	0.0	0.0
113	5/17/2021 10:20:18	0.0	0.0
114	5/17/2021 10:21:18	0.0	0.0
115	5/17/2021 10:22:18	0.0	0.0
116	5/17/2021 10:23:18	0.0	0.0
117	5/17/2021 10:24:18	0.0	0.0
118	5/17/2021 10:25:18	0.0	0.0
119	5/17/2021 10:26:18	0.0	0.0
120	5/17/2021 10:27:18	0.0	0.0
121	5/17/2021 10:28:18	0.0	0.0
122	5/17/2021 10:29:18	0.0	0.0
123	5/17/2021 10:30:18	0.0	0.0
124	5/17/2021 10:31:18	0.0	0.0
125	5/17/2021 10:32:18	0.0	0.0
126	5/17/2021 10:33:18	0.0	0.0

127	5/17/2021 10:34:18	0.0	0.0
128	5/17/2021 10:35:18	0.0	0.0
129	5/17/2021 10:36:18	0.0	0.0
130	5/17/2021 10:37:18	0.0	0.0
131	5/17/2021 10:38:18	0.0	0.0
132	5/17/2021 10:39:18	0.0	0.0
133	5/17/2021 10:40:18	0.0	0.0
134	5/17/2021 10:41:18	0.0	0.0
135	5/17/2021 10:42:18	0.0	0.0
136	5/17/2021 10:43:18	0.0	0.0
137	5/17/2021 10:44:18	0.0	0.0
138	5/17/2021 10:45:18	0.0	0.0
139	5/17/2021 10:46:18	0.0	0.0
140	5/17/2021 10:47:18	0.0	0.0
141	5/17/2021 10:48:18	0.0	0.0
142	5/17/2021 10:49:18	0.0	0.0
143	5/17/2021 10:50:18	0.0	0.0
144	5/17/2021 10:51:18	0.0	0.0
145	5/17/2021 10:52:18	0.0	0.0
146	5/17/2021 10:53:18	0.0	0.0
147	5/17/2021 10:54:18	0.0	0.0
148	5/17/2021 10:55:18	0.0	0.0
149	5/17/2021 10:56:18	0.0	0.0
150	5/17/2021 10:57:18	0.0	0.0
151	5/17/2021 10:58:18	0.0	0.0
152	5/17/2021 10:59:18	0.0	0.0
153	5/17/2021 11:00:18	0.0	0.0
154	5/17/2021 11:01:18	0.0	0.0
155	5/17/2021 11:02:18	0.0	0.0
156	5/17/2021 11:03:18	0.0	0.0
157	5/17/2021 11:04:18	0.0	0.0
158	5/17/2021 11:05:18	0.0	0.0
159	5/17/2021 11:06:18	0.0	0.0
160	5/17/2021 11:07:18	0.0	0.0
161	5/17/2021 11:08:18	0.0	0.0
162	5/17/2021 11:09:18	0.0	0.0
163	5/17/2021 11:10:18	0.0	0.0
164	5/17/2021 11:11:18	0.0	0.0
165	5/17/2021 11:12:18	0.0	0.0
166	5/17/2021 11:13:18	0.0	0.0
167	5/17/2021 11:14:18	0.0	0.0
168	5/17/2021 11:15:18	0.0	0.0
169	5/17/2021 11:16:18	0.0	0.0
170	5/17/2021 11:17:18	0.0	0.0
171	5/17/2021 11:18:18	0.0	0.0
172	5/17/2021 11:19:18	0.0	0.0
173	5/17/2021 11:20:18	0.0	0.0
174	5/17/2021 11:21:18	0.0	0.0
175	5/17/2021 11:22:18	0.0	0.0
176	5/17/2021 11:23:18	0.0	0.0

177	5/17/2021 11:24:18	0.0	0.0
178	5/17/2021 11:25:18	0.0	0.0
179	5/17/2021 11:26:18	0.0	0.0
180	5/17/2021 11:27:18	0.0	0.0
181	5/17/2021 11:28:18	0.0	0.0
182	5/17/2021 11:29:18	0.0	0.0
183	5/17/2021 11:30:18	0.0	0.0
184	5/17/2021 11:31:18	0.0	0.0
185	5/17/2021 11:32:18	0.0	0.0
186	5/17/2021 11:33:18	0.0	0.0
187	5/17/2021 11:34:18	0.0	0.0
188	5/17/2021 11:35:18	0.0	0.0
189	5/17/2021 11:36:18	0.0	0.0
190	5/17/2021 11:37:18	0.0	0.0
191	5/17/2021 11:38:18	0.0	0.0
192	5/17/2021 11:39:18	0.0	0.0
193	5/17/2021 11:40:18	0.0	0.0
194	5/17/2021 11:41:18	0.0	0.0
195	5/17/2021 11:42:18	0.0	0.0
196	5/17/2021 11:43:18	0.0	0.0
197	5/17/2021 11:44:18	0.0	0.0
198	5/17/2021 11:45:18	0.0	0.0
199	5/17/2021 11:46:18	0.0	0.0
200	5/17/2021 11:47:18	0.0	0.0
201	5/17/2021 11:48:18	0.0	0.0
202	5/17/2021 11:49:18	0.0	0.0
203	5/17/2021 11:50:18	0.0	0.0
204	5/17/2021 11:51:18	0.0	0.0
205	5/17/2021 11:52:18	0.0	0.0
206	5/17/2021 11:53:18	0.0	0.0
207	5/17/2021 11:54:18	0.0	0.0
208	5/17/2021 11:55:18	0.0	0.0
209	5/17/2021 11:56:18	0.0	0.0
210	5/17/2021 11:57:18	0.0	0.0
211	5/17/2021 11:58:18	0.0	0.0
212	5/17/2021 11:59:18	0.0	0.0
213	5/17/2021 12:00:18	0.0	0.0
214	5/17/2021 12:01:18	0.0	0.0
215	5/17/2021 12:02:18	0.0	0.0
216	5/17/2021 12:03:18	0.0	0.0
217	5/17/2021 12:04:18	0.0	0.0
218	5/17/2021 12:05:18	0.0	0.0
219	5/17/2021 12:06:18	0.0	0.0
220	5/17/2021 12:07:18	0.0	0.0
221	5/17/2021 12:08:18	0.0	0.0
222	5/17/2021 12:09:18	0.0	0.0
223	5/17/2021 12:10:18	0.0	0.0
224	5/17/2021 12:11:18	0.0	0.0
225	5/17/2021 12:12:18	0.0	0.0
226	5/17/2021 12:13:18	0.0	0.0

227	5/17/2021 12:14:18	0.0	0.0
228	5/17/2021 12:15:18	0.0	0.0
229	5/17/2021 12:16:18	0.0	0.0
230	5/17/2021 12:17:18	0.0	0.0
231	5/17/2021 12:18:18	0.0	0.0
232	5/17/2021 12:19:18	0.0	0.0
233	5/17/2021 12:20:18	0.0	0.0
234	5/17/2021 12:21:18	0.0	0.0
235	5/17/2021 12:22:18	0.0	0.0
236	5/17/2021 12:23:18	0.0	0.0
237	5/17/2021 12:24:18	0.0	0.0
238	5/17/2021 12:25:18	0.0	0.0
239	5/17/2021 12:26:18	0.0	0.0
240	5/17/2021 12:27:18	0.0	0.0
241	5/17/2021 12:28:18	0.0	0.0
242	5/17/2021 12:29:18	0.0	0.0
243	5/17/2021 12:30:18	0.0	0.0
244	5/17/2021 12:31:18	0.0	0.0
245	5/17/2021 12:32:18	0.0	0.0
246	5/17/2021 12:33:18	0.0	0.0
247	5/17/2021 12:34:18	0.0	0.0
248	5/17/2021 12:35:18	0.0	0.0
249	5/17/2021 12:36:18	0.0	0.0
250	5/17/2021 12:37:18	0.0	0.0
251	5/17/2021 12:38:18	0.0	0.0
252	5/17/2021 12:39:18	0.0	0.0
253	5/17/2021 12:40:18	0.0	0.0
254	5/17/2021 12:41:18	0.0	0.0
255	5/17/2021 12:42:18	0.0	0.0
256	5/17/2021 12:43:18	0.0	0.0
257	5/17/2021 12:44:18	0.0	0.0
258	5/17/2021 12:45:18	0.0	0.0
259	5/17/2021 12:46:18	0.0	0.0
260	5/17/2021 12:47:18	0.0	0.0
261	5/17/2021 12:48:18	0.0	0.0
262	5/17/2021 12:49:18	0.0	0.0
263	5/17/2021 12:50:18	0.0	0.0
264	5/17/2021 12:51:18	0.0	0.0
265	5/17/2021 12:52:18	0.0	0.0
266	5/17/2021 12:53:18	0.0	0.0
267	5/17/2021 12:54:18	0.0	0.0
268	5/17/2021 12:55:18	0.0	0.0
269	5/17/2021 12:56:18	0.0	0.0
270	5/17/2021 12:57:18	0.0	0.0
271	5/17/2021 12:58:18	0.0	0.0
272	5/17/2021 12:59:18	0.0	0.0
273	5/17/2021 13:00:18	0.0	0.0
274	5/17/2021 13:01:18	0.0	0.0
275	5/17/2021 13:02:18	0.0	0.0
276	5/17/2021 13:03:18	0.0	0.0

277	5/17/2021 13:04:18	0.0	0.0
278	5/17/2021 13:05:18	0.0	0.0
279	5/17/2021 13:06:18	0.0	0.0
280	5/17/2021 13:07:18	0.0	0.0
281	5/17/2021 13:08:18	0.0	0.0
282	5/17/2021 13:09:18	0.0	0.0
283	5/17/2021 13:10:18	0.0	0.0
284	5/17/2021 13:11:18	0.0	0.0
285	5/17/2021 13:12:18	0.0	0.0
286	5/17/2021 13:13:18	0.0	0.0
287	5/17/2021 13:14:18	0.0	0.0
288	5/17/2021 13:15:18	0.0	0.0
289	5/17/2021 13:16:18	0.0	0.0
290	5/17/2021 13:17:18	0.0	0.0
291	5/17/2021 13:18:18	0.0	0.0
292	5/17/2021 13:19:18	0.0	0.0
293	5/17/2021 13:20:18	0.0	0.0
294	5/17/2021 13:21:18	0.0	0.0
295	5/17/2021 13:22:18	0.0	0.0
296	5/17/2021 13:23:18	0.0	0.0
297	5/17/2021 13:24:18	0.0	0.0
298	5/17/2021 13:25:18	0.0	0.0
299	5/17/2021 13:26:18	0.0	0.0
300	5/17/2021 13:27:18	0.0	0.0
301	5/17/2021 13:28:18	0.0	0.0
302	5/17/2021 13:29:18	0.0	0.0
303	5/17/2021 13:30:18	0.0	0.0
304	5/17/2021 13:31:18	0.0	0.0
305	5/17/2021 13:32:18	0.0	0.0
306	5/17/2021 13:33:18	0.0	0.0
307	5/17/2021 13:34:18	0.0	0.0
308	5/17/2021 13:35:18	0.0	0.0
309	5/17/2021 13:36:18	0.0	0.0
310	5/17/2021 13:37:18	0.0	0.0
311	5/17/2021 13:38:18	0.0	0.0
312	5/17/2021 13:39:18	0.0	0.0
313	5/17/2021 13:40:18	0.0	0.0
314	5/17/2021 13:41:18	0.0	0.0
315	5/17/2021 13:42:18	0.0	0.0
316	5/17/2021 13:43:18	0.0	0.0
317	5/17/2021 13:44:18	0.0	0.0
318	5/17/2021 13:45:18	0.0	0.0
319	5/17/2021 13:46:18	0.0	0.0
320	5/17/2021 13:47:18	0.0	0.0
321	5/17/2021 13:48:18	0.0	0.0
322	5/17/2021 13:49:18	0.0	0.0
323	5/17/2021 13:50:18	0.0	0.0
324	5/17/2021 13:51:18	0.0	0.0
325	5/17/2021 13:52:18	0.0	0.0
326	5/17/2021 13:53:18	0.0	0.0

327	5/17/2021 13:54:18	0.0	0.0
328	5/17/2021 13:55:18	0.0	0.0
329	5/17/2021 13:56:18	0.0	0.0
330	5/17/2021 13:57:18	0.0	0.0
331	5/17/2021 13:58:18	0.0	0.0
332	5/17/2021 13:59:18	0.0	0.0
333	5/17/2021 14:00:18	0.0	0.0
334	5/17/2021 14:01:18	0.0	0.0
335	5/17/2021 14:02:18	0.0	0.0
336	5/17/2021 14:03:18	0.0	0.0
337	5/17/2021 14:04:18	0.0	0.0
338	5/17/2021 14:05:18	0.0	0.0
339	5/17/2021 14:06:18	0.0	0.0
340	5/17/2021 14:07:18	0.0	0.0
341	5/17/2021 14:08:18	0.0	0.0
342	5/17/2021 14:09:18	0.0	0.0
343	5/17/2021 14:10:18	0.0	0.0
344	5/17/2021 14:11:18	0.0	0.0
345	5/17/2021 14:12:18	0.0	0.0
346	5/17/2021 14:13:18	0.0	0.0
347	5/17/2021 14:14:18	0.0	0.0
348	5/17/2021 14:15:18	0.0	0.0
349	5/17/2021 14:16:18	0.0	0.0
350	5/17/2021 14:17:18	0.0	0.0
351	5/17/2021 14:18:18	0.0	0.0
352	5/17/2021 14:19:18	0.0	0.0
353	5/17/2021 14:20:18	0.0	0.0
354	5/17/2021 14:21:18	0.0	0.0
355	5/17/2021 14:22:18	0.0	0.0
356	5/17/2021 14:23:18	0.0	0.0
357	5/17/2021 14:24:18	0.0	0.0
358	5/17/2021 14:25:18	0.0	0.0
359	5/17/2021 14:26:18	0.0	0.0
360	5/17/2021 14:27:18	0.0	0.0
361	5/17/2021 14:28:18	0.0	0.0
362	5/17/2021 14:29:18	0.0	0.0
363	5/17/2021 14:30:18	0.0	0.0
364	5/17/2021 14:31:18	0.0	0.0
365	5/17/2021 14:32:18	0.0	0.0
366	5/17/2021 14:33:18	0.0	0.0
367	5/17/2021 14:34:18	0.0	0.0
368	5/17/2021 14:35:18	0.0	0.0
369	5/17/2021 14:36:18	0.0	0.0
370	5/17/2021 14:37:18	0.0	0.0
371	5/17/2021 14:38:18	0.0	0.0
372	5/17/2021 14:39:18	0.0	0.0
373	5/17/2021 14:40:18	0.0	0.0
374	5/17/2021 14:41:18	0.0	0.0

```
============================================================
21/05/18 08:09
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000 +(PGM-7320)
Unit SN 592-928270
Unit Firmware Ver       V2.20A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Communication Mode
------------------------------------------------------------
Site ID RAE00000
User ID USER0000
------------------------------------------------------------
Begin   5/18/2021 08:09:29
End     5/18/2021 14:43:11
Sample Period(s)        60
Number of Records       393
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030018W6
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        5/18/2021 08:09
Peak    0.0
Min     0.0
Average 0.0

************************************************************
Datalog
                PID(ppm)        PID(ppm)        PID(ppm)        PID(ppm)
Index   Date/Time       (Min)   (Avg)   (Max)   (Real)
001     5/18/2021 08:10:29      0.0     0.0     0.0     0.0
002     5/18/2021 08:11:29      0.0     0.0     0.0     0.0
003     5/18/2021 08:12:29      0.0     0.0     0.0     0.0
004     5/18/2021 08:13:29      0.0     0.0     0.0     0.0
005     5/18/2021 08:14:29      0.0     0.0     0.0     0.0
006     5/18/2021 08:15:29      0.0     0.0     0.0     0.0
007     5/18/2021 08:16:29      0.0     0.0     0.0     0.0
008     5/18/2021 08:17:29      0.0     0.0     0.0     0.0
```

009	5/18/2021	08:18:29	0.0	0.0	0.0	0.0
010	5/18/2021	08:19:29	0.0	0.0	0.0	0.0
011	5/18/2021	08:20:29	0.0	0.0	0.0	0.0
012	5/18/2021	08:21:29	0.0	0.0	0.0	0.0
013	5/18/2021	08:22:29	0.0	0.0	0.0	0.0
014	5/18/2021	08:23:29	0.0	0.0	0.0	0.0
015	5/18/2021	08:24:29	0.0	0.0	0.0	0.0
016	5/18/2021	08:25:29	0.0	0.0	0.0	0.0
017	5/18/2021	08:26:29	0.0	0.0	0.0	0.0
018	5/18/2021	08:27:29	0.0	0.0	0.0	0.0
019	5/18/2021	08:28:29	0.0	0.0	0.0	0.0
020	5/18/2021	08:29:29	0.0	0.0	0.0	0.0
021	5/18/2021	08:30:29	0.0	0.0	0.0	0.0
022	5/18/2021	08:31:29	0.0	0.0	0.0	0.0
023	5/18/2021	08:32:29	0.0	0.0	0.0	0.0
024	5/18/2021	08:33:29	0.0	0.0	0.0	0.0
025	5/18/2021	08:34:29	0.0	0.0	0.0	0.0
026	5/18/2021	08:35:29	0.0	0.0	0.0	0.0
027	5/18/2021	08:36:29	0.0	0.0	0.0	0.0
028	5/18/2021	08:37:29	0.0	0.0	0.0	0.0
029	5/18/2021	08:38:29	0.0	0.0	0.0	0.0
030	5/18/2021	08:39:29	0.0	0.0	0.0	0.0
031	5/18/2021	08:40:29	0.0	0.0	0.0	0.0
032	5/18/2021	08:41:29	0.0	0.0	0.0	0.0
033	5/18/2021	08:42:29	0.0	0.0	0.0	0.0
034	5/18/2021	08:43:29	0.0	0.0	0.0	0.0
035	5/18/2021	08:44:29	0.0	0.0	0.0	0.0
036	5/18/2021	08:45:29	0.0	0.0	0.0	0.0
037	5/18/2021	08:46:29	0.0	0.0	0.0	0.0
038	5/18/2021	08:47:29	0.0	0.0	0.0	0.0
039	5/18/2021	08:48:29	0.0	0.0	0.0	0.0
040	5/18/2021	08:49:29	0.0	0.0	0.0	0.0
041	5/18/2021	08:50:29	0.0	0.0	0.0	0.0
042	5/18/2021	08:51:29	0.0	0.0	0.0	0.0
043	5/18/2021	08:52:29	0.0	0.0	0.0	0.0
044	5/18/2021	08:53:29	0.0	0.0	0.0	0.0
045	5/18/2021	08:54:29	0.0	0.0	0.0	0.0
046	5/18/2021	08:55:29	0.0	0.0	0.0	0.0
047	5/18/2021	08:56:29	0.0	0.0	0.0	0.0
048	5/18/2021	08:57:29	0.0	0.0	0.0	0.0
049	5/18/2021	08:58:29	0.0	0.0	0.0	0.0
050	5/18/2021	08:59:29	0.0	0.0	0.0	0.0
051	5/18/2021	09:00:29	0.0	0.0	0.0	0.0
052	5/18/2021	09:01:29	0.0	0.0	0.0	0.0
053	5/18/2021	09:02:29	0.0	0.0	0.0	0.0
054	5/18/2021	09:03:29	0.0	0.0	0.0	0.0
055	5/18/2021	09:04:29	0.0	0.0	0.0	0.0
056	5/18/2021	09:05:29	0.0	0.0	0.0	0.0
057	5/18/2021	09:06:29	0.0	0.0	0.0	0.0
058	5/18/2021	09:07:29	0.0	0.0	0.0	0.0

059	5/18/2021 09:08:29	0.0	0.0	0.0	0.0
060	5/18/2021 09:09:29	0.0	0.0	0.0	0.0
061	5/18/2021 09:10:29	0.0	0.0	0.0	0.0
062	5/18/2021 09:11:29	0.0	0.0	0.0	0.0
063	5/18/2021 09:12:29	0.0	0.0	0.0	0.0
064	5/18/2021 09:13:29	0.0	0.0	0.0	0.0
065	5/18/2021 09:14:29	0.0	0.0	0.0	0.0
066	5/18/2021 09:15:29	0.0	0.0	0.0	0.0
067	5/18/2021 09:16:29	0.0	0.0	0.0	0.0
068	5/18/2021 09:17:29	0.0	0.0	0.0	0.0
069	5/18/2021 09:18:29	0.0	0.0	0.0	0.0
070	5/18/2021 09:19:29	0.0	0.0	0.0	0.0
071	5/18/2021 09:20:29	0.0	0.0	0.0	0.0
072	5/18/2021 09:21:29	0.0	0.0	0.0	0.0
073	5/18/2021 09:22:29	0.0	0.0	0.0	0.0
074	5/18/2021 09:23:29	0.0	0.0	0.0	0.0
075	5/18/2021 09:24:29	0.0	0.0	0.0	0.0
076	5/18/2021 09:25:29	0.0	0.0	0.0	0.0
077	5/18/2021 09:26:29	0.0	0.0	0.0	0.0
078	5/18/2021 09:27:29	0.0	0.0	0.0	0.0
079	5/18/2021 09:28:29	0.0	0.0	0.0	0.0
080	5/18/2021 09:29:29	0.0	0.0	0.0	0.0
081	5/18/2021 09:30:29	0.0	0.0	0.0	0.0
082	5/18/2021 09:31:29	0.0	0.0	0.0	0.0
083	5/18/2021 09:32:29	0.0	0.0	0.0	0.0
084	5/18/2021 09:33:29	0.0	0.0	0.0	0.0
085	5/18/2021 09:34:29	0.0	0.0	0.0	0.0
086	5/18/2021 09:35:29	0.0	0.0	0.0	0.0
087	5/18/2021 09:36:29	0.0	0.0	0.0	0.0
088	5/18/2021 09:37:29	0.0	0.0	0.0	0.0
089	5/18/2021 09:38:29	0.0	0.0	0.0	0.0
090	5/18/2021 09:39:29	0.0	0.0	0.0	0.0
091	5/18/2021 09:40:29	0.0	0.0	0.0	0.0
092	5/18/2021 09:41:29	0.0	0.0	0.0	0.0
093	5/18/2021 09:42:29	0.0	0.0	0.0	0.0
094	5/18/2021 09:43:29	0.0	0.0	0.0	0.0
095	5/18/2021 09:44:29	0.0	0.0	0.0	0.0
096	5/18/2021 09:45:29	0.0	0.0	0.0	0.0
097	5/18/2021 09:46:29	0.0	0.0	0.0	0.0
098	5/18/2021 09:47:29	0.0	0.0	0.0	0.0
099	5/18/2021 09:48:29	0.0	0.0	0.0	0.0
100	5/18/2021 09:49:29	0.0	0.0	0.0	0.0
101	5/18/2021 09:50:29	0.0	0.0	0.0	0.0
102	5/18/2021 09:51:29	0.0	0.0	0.0	0.0
103	5/18/2021 09:52:29	0.0	0.0	0.0	0.0
104	5/18/2021 09:53:29	0.0	0.0	0.0	0.0
105	5/18/2021 09:54:29	0.0	0.0	0.0	0.0
106	5/18/2021 09:55:29	0.0	0.0	0.0	0.0
107	5/18/2021 09:56:29	0.0	0.0	0.0	0.0
108	5/18/2021 09:57:29	0.0	0.0	0.0	0.0

109	5/18/2021 09:58:29	0.0	0.0	0.0	0.0
110	5/18/2021 09:59:29	0.0	0.0	0.0	0.0
111	5/18/2021 10:00:29	0.0	0.0	0.0	0.0
112	5/18/2021 10:01:29	0.0	0.0	0.0	0.0
113	5/18/2021 10:02:29	0.0	0.0	0.0	0.0
114	5/18/2021 10:03:29	0.0	0.0	0.0	0.0
115	5/18/2021 10:04:29	0.0	0.0	0.0	0.0
116	5/18/2021 10:05:29	0.0	0.0	0.0	0.0
117	5/18/2021 10:06:29	0.0	0.0	0.0	0.0
118	5/18/2021 10:07:29	0.0	0.0	0.0	0.0
119	5/18/2021 10:08:29	0.0	0.0	0.0	0.0
120	5/18/2021 10:09:29	0.0	0.0	0.0	0.0
121	5/18/2021 10:10:29	0.0	0.0	0.0	0.0
122	5/18/2021 10:11:29	0.0	0.0	0.0	0.0
123	5/18/2021 10:12:29	0.0	0.0	0.0	0.0
124	5/18/2021 10:13:29	0.0	0.0	0.0	0.0
125	5/18/2021 10:14:29	0.0	0.0	0.0	0.0
126	5/18/2021 10:15:29	0.0	0.0	0.0	0.0
127	5/18/2021 10:16:29	0.0	0.0	0.0	0.0
128	5/18/2021 10:17:29	0.0	0.0	0.0	0.0
129	5/18/2021 10:18:29	0.0	0.0	0.0	0.0
130	5/18/2021 10:19:29	0.0	0.0	0.0	0.0
131	5/18/2021 10:20:29	0.0	0.0	0.0	0.0
132	5/18/2021 10:21:29	0.0	0.0	0.0	0.0
133	5/18/2021 10:22:29	0.0	0.0	0.0	0.0
134	5/18/2021 10:23:29	0.0	0.0	0.0	0.0
135	5/18/2021 10:24:29	0.0	0.0	0.0	0.0
136	5/18/2021 10:25:29	0.0	0.0	0.0	0.0
137	5/18/2021 10:26:29	0.0	0.0	0.0	0.0
138	5/18/2021 10:27:29	0.0	0.0	0.0	0.0
139	5/18/2021 10:28:29	0.0	0.0	0.0	0.0
140	5/18/2021 10:29:29	0.0	0.0	0.0	0.0
141	5/18/2021 10:30:29	0.0	0.0	0.0	0.0
142	5/18/2021 10:31:29	0.0	0.0	0.0	0.0
143	5/18/2021 10:32:29	0.0	0.0	0.0	0.0
144	5/18/2021 10:33:29	0.0	0.0	0.0	0.0
145	5/18/2021 10:34:29	0.0	0.0	0.0	0.0
146	5/18/2021 10:35:29	0.0	0.0	0.0	0.0
147	5/18/2021 10:36:29	0.0	0.0	0.0	0.0
148	5/18/2021 10:37:29	0.0	0.0	0.0	0.0
149	5/18/2021 10:38:29	0.0	0.0	0.0	0.0
150	5/18/2021 10:39:29	0.0	0.0	0.0	0.0
151	5/18/2021 10:40:29	0.0	0.0	0.0	0.0
152	5/18/2021 10:41:29	0.0	0.0	0.0	0.0
153	5/18/2021 10:42:29	0.0	0.0	0.0	0.0
154	5/18/2021 10:43:29	0.0	0.0	0.0	0.0
155	5/18/2021 10:44:29	0.0	0.0	0.0	0.0
156	5/18/2021 10:45:29	0.0	0.0	0.0	0.0
157	5/18/2021 10:46:29	0.0	0.0	0.0	0.0
158	5/18/2021 10:47:29	0.0	0.0	0.0	0.0

159	5/18/2021	10:48:29	0.0	0.0	0.0	0.0
160	5/18/2021	10:49:29	0.0	0.0	0.0	0.0
161	5/18/2021	10:50:29	0.0	0.0	0.0	0.0
162	5/18/2021	10:51:29	0.0	0.0	0.0	0.0
163	5/18/2021	10:52:29	0.0	0.0	0.0	0.0
164	5/18/2021	10:53:29	0.0	0.0	0.0	0.0
165	5/18/2021	10:54:29	0.0	0.0	0.0	0.0
166	5/18/2021	10:55:29	0.0	0.0	0.0	0.0
167	5/18/2021	10:56:29	0.0	0.0	0.0	0.0
168	5/18/2021	10:57:29	0.0	0.0	0.0	0.0
169	5/18/2021	10:58:29	0.0	0.0	0.0	0.0
170	5/18/2021	10:59:29	0.0	0.0	0.0	0.0
171	5/18/2021	11:00:29	0.0	0.0	0.0	0.0
172	5/18/2021	11:01:29	0.0	0.0	0.0	0.0
173	5/18/2021	11:02:29	0.0	0.0	0.0	0.0
174	5/18/2021	11:03:29	0.0	0.0	0.0	0.0
175	5/18/2021	11:04:29	0.0	0.0	0.0	0.0
176	5/18/2021	11:05:29	0.0	0.0	0.0	0.0
177	5/18/2021	11:06:29	0.0	0.0	0.0	0.0
178	5/18/2021	11:07:29	0.0	0.0	0.0	0.0
179	5/18/2021	11:08:29	0.0	0.0	0.0	0.0
180	5/18/2021	11:09:29	0.0	0.0	0.0	0.0
181	5/18/2021	11:10:29	0.0	0.0	0.0	0.0
182	5/18/2021	11:11:29	0.0	0.0	0.0	0.0
183	5/18/2021	11:12:29	0.0	0.0	0.0	0.0
184	5/18/2021	11:13:29	0.0	0.0	0.0	0.0
185	5/18/2021	11:14:29	0.0	0.0	0.0	0.0
186	5/18/2021	11:15:29	0.0	0.0	0.0	0.0
187	5/18/2021	11:16:29	0.0	0.0	0.0	0.0
188	5/18/2021	11:17:29	0.0	0.0	0.0	0.0
189	5/18/2021	11:18:29	0.0	0.0	0.0	0.0
190	5/18/2021	11:19:29	0.0	0.0	0.0	0.0
191	5/18/2021	11:20:29	0.0	0.0	0.0	0.0
192	5/18/2021	11:21:29	0.0	0.0	0.0	0.0
193	5/18/2021	11:22:29	0.0	0.0	0.0	0.0
194	5/18/2021	11:23:29	0.0	0.0	0.0	0.0
195	5/18/2021	11:24:29	0.0	0.0	0.0	0.0
196	5/18/2021	11:25:29	0.0	0.0	0.0	0.0
197	5/18/2021	11:26:29	0.0	0.0	0.0	0.0
198	5/18/2021	11:27:29	0.0	0.0	0.0	0.0
199	5/18/2021	11:28:29	0.0	0.0	0.0	0.0
200	5/18/2021	11:29:29	0.0	0.0	0.0	0.0
201	5/18/2021	11:30:29	0.0	0.0	0.0	0.0
202	5/18/2021	11:31:29	0.0	0.0	0.0	0.0
203	5/18/2021	11:32:29	0.0	0.0	0.0	0.0
204	5/18/2021	11:33:29	0.0	0.0	0.0	0.0
205	5/18/2021	11:34:29	0.0	0.0	0.0	0.0
206	5/18/2021	11:35:29	0.0	0.0	0.0	0.0
207	5/18/2021	11:36:29	0.0	0.0	0.0	0.0
208	5/18/2021	11:37:29	0.0	0.0	0.0	0.0

209	5/18/2021 11:38:29	0.0	0.0	0.0	0.0
210	5/18/2021 11:39:29	0.0	0.0	0.0	0.0
211	5/18/2021 11:40:29	0.0	0.0	0.0	0.0
212	5/18/2021 11:41:29	0.0	0.0	0.0	0.0
213	5/18/2021 11:42:29	0.0	0.0	0.0	0.0
214	5/18/2021 11:43:29	0.0	0.0	0.0	0.0
215	5/18/2021 11:44:29	0.0	0.0	0.0	0.0
216	5/18/2021 11:45:29	0.0	0.0	0.0	0.0
217	5/18/2021 11:46:29	0.0	0.0	0.0	0.0
218	5/18/2021 11:47:29	0.0	0.0	0.0	0.0
219	5/18/2021 11:48:29	0.0	0.0	0.0	0.0
220	5/18/2021 11:49:29	0.0	0.0	0.0	0.0
221	5/18/2021 11:50:29	0.0	0.0	0.0	0.0
222	5/18/2021 11:51:29	0.0	0.0	0.0	0.0
223	5/18/2021 11:52:29	0.0	0.0	0.0	0.0
224	5/18/2021 11:53:29	0.0	0.0	0.0	0.0
225	5/18/2021 11:54:29	0.0	0.0	0.0	0.0
226	5/18/2021 11:55:29	0.0	0.0	0.0	0.0
227	5/18/2021 11:56:29	0.0	0.0	0.0	0.0
228	5/18/2021 11:57:29	0.0	0.0	0.0	0.0
229	5/18/2021 11:58:29	0.0	0.0	0.0	0.0
230	5/18/2021 11:59:29	0.0	0.0	0.0	0.0
231	5/18/2021 12:00:29	0.0	0.0	0.0	0.0
232	5/18/2021 12:01:29	0.0	0.0	0.0	0.0
233	5/18/2021 12:02:29	0.0	0.0	0.0	0.0
234	5/18/2021 12:03:29	0.0	0.0	0.0	0.0
235	5/18/2021 12:04:29	0.0	0.0	0.0	0.0
236	5/18/2021 12:05:29	0.0	0.0	0.0	0.0
237	5/18/2021 12:06:29	0.0	0.0	0.0	0.0
238	5/18/2021 12:07:29	0.0	0.0	0.0	0.0
239	5/18/2021 12:08:29	0.0	0.0	0.0	0.0
240	5/18/2021 12:09:29	0.0	0.0	0.0	0.0
241	5/18/2021 12:10:29	0.0	0.0	0.0	0.0
242	5/18/2021 12:11:29	0.0	0.0	0.0	0.0
243	5/18/2021 12:12:29	0.0	0.0	0.0	0.0
244	5/18/2021 12:13:29	0.0	0.0	0.0	0.0
245	5/18/2021 12:14:29	0.0	0.0	0.0	0.0
246	5/18/2021 12:15:29	0.0	0.0	0.0	0.0
247	5/18/2021 12:16:29	0.0	0.0	0.0	0.0
248	5/18/2021 12:17:29	0.0	0.0	0.0	0.0
249	5/18/2021 12:18:29	0.0	0.0	0.0	0.0
250	5/18/2021 12:19:29	0.0	0.0	0.0	0.0
251	5/18/2021 12:20:29	0.0	0.0	0.0	0.0
252	5/18/2021 12:21:29	0.0	0.0	0.0	0.0
253	5/18/2021 12:22:29	0.0	0.0	0.0	0.0
254	5/18/2021 12:23:29	0.0	0.0	0.0	0.0
255	5/18/2021 12:24:29	0.0	0.0	0.0	0.0
256	5/18/2021 12:25:29	0.0	0.0	0.0	0.0
257	5/18/2021 12:26:29	0.0	0.0	0.0	0.0
258	5/18/2021 12:27:29	0.0	0.0	0.0	0.0

259	5/18/2021 12:28:29	0.0	0.0	0.0	0.0
260	5/18/2021 12:29:29	0.0	0.0	0.0	0.0
261	5/18/2021 12:30:29	0.0	0.0	0.0	0.0
262	5/18/2021 12:31:29	0.0	0.0	0.0	0.0
263	5/18/2021 12:32:29	0.0	0.0	0.0	0.0
264	5/18/2021 12:33:29	0.0	0.0	0.0	0.0
265	5/18/2021 12:34:29	0.0	0.0	0.0	0.0
266	5/18/2021 12:35:29	0.0	0.0	0.0	0.0
267	5/18/2021 12:36:29	0.0	0.0	0.0	0.0
268	5/18/2021 12:37:29	0.0	0.0	0.0	0.0
269	5/18/2021 12:38:29	0.0	0.0	0.0	0.0
270	5/18/2021 12:39:29	0.0	0.0	0.0	0.0
271	5/18/2021 12:40:29	0.0	0.0	0.0	0.0
272	5/18/2021 12:41:29	0.0	0.0	0.0	0.0
273	5/18/2021 12:42:29	0.0	0.0	0.0	0.0
274	5/18/2021 12:43:29	0.0	0.0	0.0	0.0
275	5/18/2021 12:44:29	0.0	0.0	0.0	0.0
276	5/18/2021 12:45:29	0.0	0.0	0.0	0.0
277	5/18/2021 12:46:29	0.0	0.0	0.0	0.0
278	5/18/2021 12:47:29	0.0	0.0	0.0	0.0
279	5/18/2021 12:48:29	0.0	0.0	0.0	0.0
280	5/18/2021 12:49:29	0.0	0.0	0.0	0.0
281	5/18/2021 12:50:29	0.0	0.0	0.0	0.0
282	5/18/2021 12:51:29	0.0	0.0	0.0	0.0
283	5/18/2021 12:52:29	0.0	0.0	0.0	0.0
284	5/18/2021 12:53:29	0.0	0.0	0.0	0.0
285	5/18/2021 12:54:29	0.0	0.0	0.0	0.0
286	5/18/2021 12:55:29	0.0	0.0	0.0	0.0
287	5/18/2021 12:56:29	0.0	0.0	0.0	0.0
288	5/18/2021 12:57:29	0.0	0.0	0.0	0.0
289	5/18/2021 12:58:29	0.0	0.0	0.0	0.0
290	5/18/2021 12:59:29	0.0	0.0	0.0	0.0
291	5/18/2021 13:00:29	0.0	0.0	0.0	0.0
292	5/18/2021 13:01:29	0.0	0.0	0.0	0.0
293	5/18/2021 13:02:29	0.0	0.0	0.0	0.0
294	5/18/2021 13:03:29	0.0	0.0	0.0	0.0
295	5/18/2021 13:04:29	0.0	0.0	0.0	0.0
296	5/18/2021 13:05:29	0.0	0.0	0.0	0.0
297	5/18/2021 13:06:29	0.0	0.0	0.0	0.0
298	5/18/2021 13:07:29	0.0	0.0	0.0	0.0
299	5/18/2021 13:08:29	0.0	0.0	0.0	0.0
300	5/18/2021 13:09:29	0.0	0.0	0.0	0.0
301	5/18/2021 13:10:29	0.0	0.0	0.0	0.0
302	5/18/2021 13:11:29	0.0	0.0	0.0	0.0
303	5/18/2021 13:12:29	0.0	0.0	0.0	0.0
304	5/18/2021 13:13:29	0.0	0.0	0.0	0.0
305	5/18/2021 13:14:29	0.0	0.0	0.0	0.0
306	5/18/2021 13:15:29	0.0	0.0	0.0	0.0
307	5/18/2021 13:16:29	0.0	0.0	0.0	0.0
308	5/18/2021 13:17:29	0.0	0.0	0.0	0.0

309	5/18/2021	13:18:29	0.0	0.0	0.0	0.0
310	5/18/2021	13:19:29	0.0	0.0	0.0	0.0
311	5/18/2021	13:20:29	0.0	0.0	0.0	0.0
312	5/18/2021	13:21:29	0.0	0.0	0.0	0.0
313	5/18/2021	13:22:29	0.0	0.0	0.0	0.0
314	5/18/2021	13:23:29	0.0	0.0	0.0	0.0
315	5/18/2021	13:24:29	0.0	0.0	0.0	0.0
316	5/18/2021	13:25:29	0.0	0.0	0.0	0.0
317	5/18/2021	13:26:29	0.0	0.0	0.0	0.0
318	5/18/2021	13:27:29	0.0	0.0	0.0	0.0
319	5/18/2021	13:28:29	0.0	0.0	0.0	0.0
320	5/18/2021	13:29:29	0.0	0.0	0.0	0.0
321	5/18/2021	13:30:29	0.0	0.0	0.0	0.0
322	5/18/2021	13:31:29	0.0	0.0	0.0	0.0
323	5/18/2021	13:32:29	0.0	0.0	0.0	0.0
324	5/18/2021	13:33:29	0.0	0.0	0.0	0.0
325	5/18/2021	13:34:29	0.0	0.0	0.0	0.0
326	5/18/2021	13:35:29	0.0	0.0	0.0	0.0
327	5/18/2021	13:36:29	0.0	0.0	0.0	0.0
328	5/18/2021	13:37:29	0.0	0.0	0.0	0.0
329	5/18/2021	13:38:29	0.0	0.0	0.0	0.0
330	5/18/2021	13:39:29	0.0	0.0	0.0	0.0
331	5/18/2021	13:40:29	0.0	0.0	0.0	0.0
332	5/18/2021	13:41:29	0.0	0.0	0.0	0.0
333	5/18/2021	13:42:29	0.0	0.0	0.0	0.0
334	5/18/2021	13:43:29	0.0	0.0	0.0	0.0
335	5/18/2021	13:44:29	0.0	0.0	0.0	0.0
336	5/18/2021	13:45:29	0.0	0.0	0.0	0.0
337	5/18/2021	13:46:29	0.0	0.0	0.0	0.0
338	5/18/2021	13:47:29	0.0	0.0	0.0	0.0
339	5/18/2021	13:48:29	0.0	0.0	0.0	0.0
340	5/18/2021	13:49:29	0.0	0.0	0.0	0.0
341	5/18/2021	13:50:29	0.0	0.0	0.0	0.0
342	5/18/2021	13:51:29	0.0	0.0	0.0	0.0
343	5/18/2021	13:52:29	0.0	0.0	0.0	0.0
344	5/18/2021	13:53:29	0.0	0.0	0.0	0.0
345	5/18/2021	13:54:29	0.0	0.0	0.0	0.0
346	5/18/2021	13:55:29	0.0	0.0	0.0	0.0
347	5/18/2021	13:56:29	0.0	0.0	0.0	0.0
348	5/18/2021	13:57:29	0.0	0.0	0.0	0.0
349	5/18/2021	13:58:29	0.0	0.0	0.0	0.0
350	5/18/2021	13:59:29	0.0	0.0	0.0	0.0
351	5/18/2021	14:00:29	0.0	0.0	0.0	0.0
352	5/18/2021	14:01:29	0.0	0.0	0.0	0.0
353	5/18/2021	14:02:29	0.0	0.0	0.0	0.0
354	5/18/2021	14:03:29	0.0	0.0	0.0	0.0
355	5/18/2021	14:04:29	0.0	0.0	0.0	0.0
356	5/18/2021	14:05:29	0.0	0.0	0.0	0.0
357	5/18/2021	14:06:29	0.0	0.0	0.0	0.0
358	5/18/2021	14:07:29	0.0	0.0	0.0	0.0

359	5/18/2021 14:08:29	0.0	0.0	0.0	0.0
360	5/18/2021 14:09:29	0.0	0.0	0.0	0.0
361	5/18/2021 14:10:29	0.0	0.0	0.0	0.0
362	5/18/2021 14:11:29	0.0	0.0	0.0	0.0
363	5/18/2021 14:12:29	0.0	0.0	0.0	0.0
364	5/18/2021 14:13:29	0.0	0.0	0.0	0.0
365	5/18/2021 14:14:29	0.0	0.0	0.0	0.0
366	5/18/2021 14:15:29	0.0	0.0	0.0	0.0
367	5/18/2021 14:16:29	0.0	0.0	0.0	0.0
368	5/18/2021 14:17:29	0.0	0.0	0.0	0.0
369	5/18/2021 14:18:29	0.0	0.0	0.0	0.0
370	5/18/2021 14:19:29	0.0	0.0	0.0	0.0
371	5/18/2021 14:20:29	0.0	0.0	0.0	0.0
372	5/18/2021 14:21:29	0.0	0.0	0.0	0.0
373	5/18/2021 14:22:29	0.0	0.0	0.0	0.0
374	5/18/2021 14:23:29	0.0	0.0	0.0	0.0
375	5/18/2021 14:24:29	0.0	0.0	0.0	0.0
376	5/18/2021 14:25:29	0.0	0.0	0.0	0.0
377	5/18/2021 14:26:29	0.0	0.0	0.0	0.0
378	5/18/2021 14:27:29	0.0	0.0	0.0	0.0
379	5/18/2021 14:28:29	0.0	0.0	0.0	0.0
380	5/18/2021 14:29:29	0.0	0.0	0.0	0.0
381	5/18/2021 14:30:29	0.0	0.0	0.0	0.0
382	5/18/2021 14:31:29	0.0	0.0	0.0	0.0
383	5/18/2021 14:32:29	0.0	0.0	0.0	0.0
384	5/18/2021 14:33:29	0.0	0.0	0.0	0.0
385	5/18/2021 14:34:29	0.0	0.0	0.0	0.0
386	5/18/2021 14:35:29	0.0	0.0	0.0	0.0
387	5/18/2021 14:36:29	0.0	0.0	0.0	0.0
388	5/18/2021 14:37:29	0.0	0.0	0.0	0.0
389	5/18/2021 14:38:29	0.0	0.0	0.0	0.0
390	5/18/2021 14:39:29	0.0	0.0	0.0	0.0
391	5/18/2021 14:40:29	0.0	0.0	0.0	0.0
392	5/18/2021 14:41:29	0.0	0.0	0.0	0.0
393	5/18/2021 14:42:29	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	5/18/2021 08:10:29	0.0	---
002	5/18/2021 08:11:29	0.0	---
003	5/18/2021 08:12:29	0.0	---
004	5/18/2021 08:13:29	0.0	---
005	5/18/2021 08:14:29	0.0	---
006	5/18/2021 08:15:29	0.0	---
007	5/18/2021 08:16:29	0.0	---

008	5/18/2021 08:17:29	0.0	---
009	5/18/2021 08:18:29	0.0	---
010	5/18/2021 08:19:29	0.0	---
011	5/18/2021 08:20:29	0.0	---
012	5/18/2021 08:21:29	0.0	---
013	5/18/2021 08:22:29	0.0	---
014	5/18/2021 08:23:29	0.0	---
015	5/18/2021 08:24:29	0.0	0.0
016	5/18/2021 08:25:29	0.0	0.0
017	5/18/2021 08:26:29	0.0	0.0
018	5/18/2021 08:27:29	0.0	0.0
019	5/18/2021 08:28:29	0.0	0.0
020	5/18/2021 08:29:29	0.0	0.0
021	5/18/2021 08:30:29	0.0	0.0
022	5/18/2021 08:31:29	0.0	0.0
023	5/18/2021 08:32:29	0.0	0.0
024	5/18/2021 08:33:29	0.0	0.0
025	5/18/2021 08:34:29	0.0	0.0
026	5/18/2021 08:35:29	0.0	0.0
027	5/18/2021 08:36:29	0.0	0.0
028	5/18/2021 08:37:29	0.0	0.0
029	5/18/2021 08:38:29	0.0	0.0
030	5/18/2021 08:39:29	0.0	0.0
031	5/18/2021 08:40:29	0.0	0.0
032	5/18/2021 08:41:29	0.0	0.0
033	5/18/2021 08:42:29	0.0	0.0
034	5/18/2021 08:43:29	0.0	0.0
035	5/18/2021 08:44:29	0.0	0.0
036	5/18/2021 08:45:29	0.0	0.0
037	5/18/2021 08:46:29	0.0	0.0
038	5/18/2021 08:47:29	0.0	0.0
039	5/18/2021 08:48:29	0.0	0.0
040	5/18/2021 08:49:29	0.0	0.0
041	5/18/2021 08:50:29	0.0	0.0
042	5/18/2021 08:51:29	0.0	0.0
043	5/18/2021 08:52:29	0.0	0.0
044	5/18/2021 08:53:29	0.0	0.0
045	5/18/2021 08:54:29	0.0	0.0
046	5/18/2021 08:55:29	0.0	0.0
047	5/18/2021 08:56:29	0.0	0.0
048	5/18/2021 08:57:29	0.0	0.0
049	5/18/2021 08:58:29	0.0	0.0
050	5/18/2021 08:59:29	0.0	0.0
051	5/18/2021 09:00:29	0.0	0.0
052	5/18/2021 09:01:29	0.0	0.0
053	5/18/2021 09:02:29	0.0	0.0
054	5/18/2021 09:03:29	0.0	0.0
055	5/18/2021 09:04:29	0.0	0.0
056	5/18/2021 09:05:29	0.0	0.0
057	5/18/2021 09:06:29	0.0	0.0

058	5/18/2021 09:07:29	0.0	0.0
059	5/18/2021 09:08:29	0.0	0.0
060	5/18/2021 09:09:29	0.0	0.0
061	5/18/2021 09:10:29	0.0	0.0
062	5/18/2021 09:11:29	0.0	0.0
063	5/18/2021 09:12:29	0.0	0.0
064	5/18/2021 09:13:29	0.0	0.0
065	5/18/2021 09:14:29	0.0	0.0
066	5/18/2021 09:15:29	0.0	0.0
067	5/18/2021 09:16:29	0.0	0.0
068	5/18/2021 09:17:29	0.0	0.0
069	5/18/2021 09:18:29	0.0	0.0
070	5/18/2021 09:19:29	0.0	0.0
071	5/18/2021 09:20:29	0.0	0.0
072	5/18/2021 09:21:29	0.0	0.0
073	5/18/2021 09:22:29	0.0	0.0
074	5/18/2021 09:23:29	0.0	0.0
075	5/18/2021 09:24:29	0.0	0.0
076	5/18/2021 09:25:29	0.0	0.0
077	5/18/2021 09:26:29	0.0	0.0
078	5/18/2021 09:27:29	0.0	0.0
079	5/18/2021 09:28:29	0.0	0.0
080	5/18/2021 09:29:29	0.0	0.0
081	5/18/2021 09:30:29	0.0	0.0
082	5/18/2021 09:31:29	0.0	0.0
083	5/18/2021 09:32:29	0.0	0.0
084	5/18/2021 09:33:29	0.0	0.0
085	5/18/2021 09:34:29	0.0	0.0
086	5/18/2021 09:35:29	0.0	0.0
087	5/18/2021 09:36:29	0.0	0.0
088	5/18/2021 09:37:29	0.0	0.0
089	5/18/2021 09:38:29	0.0	0.0
090	5/18/2021 09:39:29	0.0	0.0
091	5/18/2021 09:40:29	0.0	0.0
092	5/18/2021 09:41:29	0.0	0.0
093	5/18/2021 09:42:29	0.0	0.0
094	5/18/2021 09:43:29	0.0	0.0
095	5/18/2021 09:44:29	0.0	0.0
096	5/18/2021 09:45:29	0.0	0.0
097	5/18/2021 09:46:29	0.0	0.0
098	5/18/2021 09:47:29	0.0	0.0
099	5/18/2021 09:48:29	0.0	0.0
100	5/18/2021 09:49:29	0.0	0.0
101	5/18/2021 09:50:29	0.0	0.0
102	5/18/2021 09:51:29	0.0	0.0
103	5/18/2021 09:52:29	0.0	0.0
104	5/18/2021 09:53:29	0.0	0.0
105	5/18/2021 09:54:29	0.0	0.0
106	5/18/2021 09:55:29	0.0	0.0
107	5/18/2021 09:56:29	0.0	0.0

108	5/18/2021 09:57:29	0.0	0.0
109	5/18/2021 09:58:29	0.0	0.0
110	5/18/2021 09:59:29	0.0	0.0
111	5/18/2021 10:00:29	0.0	0.0
112	5/18/2021 10:01:29	0.0	0.0
113	5/18/2021 10:02:29	0.0	0.0
114	5/18/2021 10:03:29	0.0	0.0
115	5/18/2021 10:04:29	0.0	0.0
116	5/18/2021 10:05:29	0.0	0.0
117	5/18/2021 10:06:29	0.0	0.0
118	5/18/2021 10:07:29	0.0	0.0
119	5/18/2021 10:08:29	0.0	0.0
120	5/18/2021 10:09:29	0.0	0.0
121	5/18/2021 10:10:29	0.0	0.0
122	5/18/2021 10:11:29	0.0	0.0
123	5/18/2021 10:12:29	0.0	0.0
124	5/18/2021 10:13:29	0.0	0.0
125	5/18/2021 10:14:29	0.0	0.0
126	5/18/2021 10:15:29	0.0	0.0
127	5/18/2021 10:16:29	0.0	0.0
128	5/18/2021 10:17:29	0.0	0.0
129	5/18/2021 10:18:29	0.0	0.0
130	5/18/2021 10:19:29	0.0	0.0
131	5/18/2021 10:20:29	0.0	0.0
132	5/18/2021 10:21:29	0.0	0.0
133	5/18/2021 10:22:29	0.0	0.0
134	5/18/2021 10:23:29	0.0	0.0
135	5/18/2021 10:24:29	0.0	0.0
136	5/18/2021 10:25:29	0.0	0.0
137	5/18/2021 10:26:29	0.0	0.0
138	5/18/2021 10:27:29	0.0	0.0
139	5/18/2021 10:28:29	0.0	0.0
140	5/18/2021 10:29:29	0.0	0.0
141	5/18/2021 10:30:29	0.0	0.0
142	5/18/2021 10:31:29	0.0	0.0
143	5/18/2021 10:32:29	0.0	0.0
144	5/18/2021 10:33:29	0.0	0.0
145	5/18/2021 10:34:29	0.0	0.0
146	5/18/2021 10:35:29	0.0	0.0
147	5/18/2021 10:36:29	0.0	0.0
148	5/18/2021 10:37:29	0.0	0.0
149	5/18/2021 10:38:29	0.0	0.0
150	5/18/2021 10:39:29	0.0	0.0
151	5/18/2021 10:40:29	0.0	0.0
152	5/18/2021 10:41:29	0.0	0.0
153	5/18/2021 10:42:29	0.0	0.0
154	5/18/2021 10:43:29	0.0	0.0
155	5/18/2021 10:44:29	0.0	0.0
156	5/18/2021 10:45:29	0.0	0.0
157	5/18/2021 10:46:29	0.0	0.0

158	5/18/2021 10:47:29	0.0	0.0
159	5/18/2021 10:48:29	0.0	0.0
160	5/18/2021 10:49:29	0.0	0.0
161	5/18/2021 10:50:29	0.0	0.0
162	5/18/2021 10:51:29	0.0	0.0
163	5/18/2021 10:52:29	0.0	0.0
164	5/18/2021 10:53:29	0.0	0.0
165	5/18/2021 10:54:29	0.0	0.0
166	5/18/2021 10:55:29	0.0	0.0
167	5/18/2021 10:56:29	0.0	0.0
168	5/18/2021 10:57:29	0.0	0.0
169	5/18/2021 10:58:29	0.0	0.0
170	5/18/2021 10:59:29	0.0	0.0
171	5/18/2021 11:00:29	0.0	0.0
172	5/18/2021 11:01:29	0.0	0.0
173	5/18/2021 11:02:29	0.0	0.0
174	5/18/2021 11:03:29	0.0	0.0
175	5/18/2021 11:04:29	0.0	0.0
176	5/18/2021 11:05:29	0.0	0.0
177	5/18/2021 11:06:29	0.0	0.0
178	5/18/2021 11:07:29	0.0	0.0
179	5/18/2021 11:08:29	0.0	0.0
180	5/18/2021 11:09:29	0.0	0.0
181	5/18/2021 11:10:29	0.0	0.0
182	5/18/2021 11:11:29	0.0	0.0
183	5/18/2021 11:12:29	0.0	0.0
184	5/18/2021 11:13:29	0.0	0.0
185	5/18/2021 11:14:29	0.0	0.0
186	5/18/2021 11:15:29	0.0	0.0
187	5/18/2021 11:16:29	0.0	0.0
188	5/18/2021 11:17:29	0.0	0.0
189	5/18/2021 11:18:29	0.0	0.0
190	5/18/2021 11:19:29	0.0	0.0
191	5/18/2021 11:20:29	0.0	0.0
192	5/18/2021 11:21:29	0.0	0.0
193	5/18/2021 11:22:29	0.0	0.0
194	5/18/2021 11:23:29	0.0	0.0
195	5/18/2021 11:24:29	0.0	0.0
196	5/18/2021 11:25:29	0.0	0.0
197	5/18/2021 11:26:29	0.0	0.0
198	5/18/2021 11:27:29	0.0	0.0
199	5/18/2021 11:28:29	0.0	0.0
200	5/18/2021 11:29:29	0.0	0.0
201	5/18/2021 11:30:29	0.0	0.0
202	5/18/2021 11:31:29	0.0	0.0
203	5/18/2021 11:32:29	0.0	0.0
204	5/18/2021 11:33:29	0.0	0.0
205	5/18/2021 11:34:29	0.0	0.0
206	5/18/2021 11:35:29	0.0	0.0
207	5/18/2021 11:36:29	0.0	0.0

208	5/18/2021 11:37:29	0.0	0.0
209	5/18/2021 11:38:29	0.0	0.0
210	5/18/2021 11:39:29	0.0	0.0
211	5/18/2021 11:40:29	0.0	0.0
212	5/18/2021 11:41:29	0.0	0.0
213	5/18/2021 11:42:29	0.0	0.0
214	5/18/2021 11:43:29	0.0	0.0
215	5/18/2021 11:44:29	0.0	0.0
216	5/18/2021 11:45:29	0.0	0.0
217	5/18/2021 11:46:29	0.0	0.0
218	5/18/2021 11:47:29	0.0	0.0
219	5/18/2021 11:48:29	0.0	0.0
220	5/18/2021 11:49:29	0.0	0.0
221	5/18/2021 11:50:29	0.0	0.0
222	5/18/2021 11:51:29	0.0	0.0
223	5/18/2021 11:52:29	0.0	0.0
224	5/18/2021 11:53:29	0.0	0.0
225	5/18/2021 11:54:29	0.0	0.0
226	5/18/2021 11:55:29	0.0	0.0
227	5/18/2021 11:56:29	0.0	0.0
228	5/18/2021 11:57:29	0.0	0.0
229	5/18/2021 11:58:29	0.0	0.0
230	5/18/2021 11:59:29	0.0	0.0
231	5/18/2021 12:00:29	0.0	0.0
232	5/18/2021 12:01:29	0.0	0.0
233	5/18/2021 12:02:29	0.0	0.0
234	5/18/2021 12:03:29	0.0	0.0
235	5/18/2021 12:04:29	0.0	0.0
236	5/18/2021 12:05:29	0.0	0.0
237	5/18/2021 12:06:29	0.0	0.0
238	5/18/2021 12:07:29	0.0	0.0
239	5/18/2021 12:08:29	0.0	0.0
240	5/18/2021 12:09:29	0.0	0.0
241	5/18/2021 12:10:29	0.0	0.0
242	5/18/2021 12:11:29	0.0	0.0
243	5/18/2021 12:12:29	0.0	0.0
244	5/18/2021 12:13:29	0.0	0.0
245	5/18/2021 12:14:29	0.0	0.0
246	5/18/2021 12:15:29	0.0	0.0
247	5/18/2021 12:16:29	0.0	0.0
248	5/18/2021 12:17:29	0.0	0.0
249	5/18/2021 12:18:29	0.0	0.0
250	5/18/2021 12:19:29	0.0	0.0
251	5/18/2021 12:20:29	0.0	0.0
252	5/18/2021 12:21:29	0.0	0.0
253	5/18/2021 12:22:29	0.0	0.0
254	5/18/2021 12:23:29	0.0	0.0
255	5/18/2021 12:24:29	0.0	0.0
256	5/18/2021 12:25:29	0.0	0.0
257	5/18/2021 12:26:29	0.0	0.0

258	5/18/2021 12:27:29	0.0	0.0
259	5/18/2021 12:28:29	0.0	0.0
260	5/18/2021 12:29:29	0.0	0.0
261	5/18/2021 12:30:29	0.0	0.0
262	5/18/2021 12:31:29	0.0	0.0
263	5/18/2021 12:32:29	0.0	0.0
264	5/18/2021 12:33:29	0.0	0.0
265	5/18/2021 12:34:29	0.0	0.0
266	5/18/2021 12:35:29	0.0	0.0
267	5/18/2021 12:36:29	0.0	0.0
268	5/18/2021 12:37:29	0.0	0.0
269	5/18/2021 12:38:29	0.0	0.0
270	5/18/2021 12:39:29	0.0	0.0
271	5/18/2021 12:40:29	0.0	0.0
272	5/18/2021 12:41:29	0.0	0.0
273	5/18/2021 12:42:29	0.0	0.0
274	5/18/2021 12:43:29	0.0	0.0
275	5/18/2021 12:44:29	0.0	0.0
276	5/18/2021 12:45:29	0.0	0.0
277	5/18/2021 12:46:29	0.0	0.0
278	5/18/2021 12:47:29	0.0	0.0
279	5/18/2021 12:48:29	0.0	0.0
280	5/18/2021 12:49:29	0.0	0.0
281	5/18/2021 12:50:29	0.0	0.0
282	5/18/2021 12:51:29	0.0	0.0
283	5/18/2021 12:52:29	0.0	0.0
284	5/18/2021 12:53:29	0.0	0.0
285	5/18/2021 12:54:29	0.0	0.0
286	5/18/2021 12:55:29	0.0	0.0
287	5/18/2021 12:56:29	0.0	0.0
288	5/18/2021 12:57:29	0.0	0.0
289	5/18/2021 12:58:29	0.0	0.0
290	5/18/2021 12:59:29	0.0	0.0
291	5/18/2021 13:00:29	0.0	0.0
292	5/18/2021 13:01:29	0.0	0.0
293	5/18/2021 13:02:29	0.0	0.0
294	5/18/2021 13:03:29	0.0	0.0
295	5/18/2021 13:04:29	0.0	0.0
296	5/18/2021 13:05:29	0.0	0.0
297	5/18/2021 13:06:29	0.0	0.0
298	5/18/2021 13:07:29	0.0	0.0
299	5/18/2021 13:08:29	0.0	0.0
300	5/18/2021 13:09:29	0.0	0.0
301	5/18/2021 13:10:29	0.0	0.0
302	5/18/2021 13:11:29	0.0	0.0
303	5/18/2021 13:12:29	0.0	0.0
304	5/18/2021 13:13:29	0.0	0.0
305	5/18/2021 13:14:29	0.0	0.0
306	5/18/2021 13:15:29	0.0	0.0
307	5/18/2021 13:16:29	0.0	0.0

308	5/18/2021 13:17:29	0.0	0.0
309	5/18/2021 13:18:29	0.0	0.0
310	5/18/2021 13:19:29	0.0	0.0
311	5/18/2021 13:20:29	0.0	0.0
312	5/18/2021 13:21:29	0.0	0.0
313	5/18/2021 13:22:29	0.0	0.0
314	5/18/2021 13:23:29	0.0	0.0
315	5/18/2021 13:24:29	0.0	0.0
316	5/18/2021 13:25:29	0.0	0.0
317	5/18/2021 13:26:29	0.0	0.0
318	5/18/2021 13:27:29	0.0	0.0
319	5/18/2021 13:28:29	0.0	0.0
320	5/18/2021 13:29:29	0.0	0.0
321	5/18/2021 13:30:29	0.0	0.0
322	5/18/2021 13:31:29	0.0	0.0
323	5/18/2021 13:32:29	0.0	0.0
324	5/18/2021 13:33:29	0.0	0.0
325	5/18/2021 13:34:29	0.0	0.0
326	5/18/2021 13:35:29	0.0	0.0
327	5/18/2021 13:36:29	0.0	0.0
328	5/18/2021 13:37:29	0.0	0.0
329	5/18/2021 13:38:29	0.0	0.0
330	5/18/2021 13:39:29	0.0	0.0
331	5/18/2021 13:40:29	0.0	0.0
332	5/18/2021 13:41:29	0.0	0.0
333	5/18/2021 13:42:29	0.0	0.0
334	5/18/2021 13:43:29	0.0	0.0
335	5/18/2021 13:44:29	0.0	0.0
336	5/18/2021 13:45:29	0.0	0.0
337	5/18/2021 13:46:29	0.0	0.0
338	5/18/2021 13:47:29	0.0	0.0
339	5/18/2021 13:48:29	0.0	0.0
340	5/18/2021 13:49:29	0.0	0.0
341	5/18/2021 13:50:29	0.0	0.0
342	5/18/2021 13:51:29	0.0	0.0
343	5/18/2021 13:52:29	0.0	0.0
344	5/18/2021 13:53:29	0.0	0.0
345	5/18/2021 13:54:29	0.0	0.0
346	5/18/2021 13:55:29	0.0	0.0
347	5/18/2021 13:56:29	0.0	0.0
348	5/18/2021 13:57:29	0.0	0.0
349	5/18/2021 13:58:29	0.0	0.0
350	5/18/2021 13:59:29	0.0	0.0
351	5/18/2021 14:00:29	0.0	0.0
352	5/18/2021 14:01:29	0.0	0.0
353	5/18/2021 14:02:29	0.0	0.0
354	5/18/2021 14:03:29	0.0	0.0
355	5/18/2021 14:04:29	0.0	0.0
356	5/18/2021 14:05:29	0.0	0.0
357	5/18/2021 14:06:29	0.0	0.0

358	5/18/2021 14:07:29	0.0	0.0
359	5/18/2021 14:08:29	0.0	0.0
360	5/18/2021 14:09:29	0.0	0.0
361	5/18/2021 14:10:29	0.0	0.0
362	5/18/2021 14:11:29	0.0	0.0
363	5/18/2021 14:12:29	0.0	0.0
364	5/18/2021 14:13:29	0.0	0.0
365	5/18/2021 14:14:29	0.0	0.0
366	5/18/2021 14:15:29	0.0	0.0
367	5/18/2021 14:16:29	0.0	0.0
368	5/18/2021 14:17:29	0.0	0.0
369	5/18/2021 14:18:29	0.0	0.0
370	5/18/2021 14:19:29	0.0	0.0
371	5/18/2021 14:20:29	0.0	0.0
372	5/18/2021 14:21:29	0.0	0.0
373	5/18/2021 14:22:29	0.0	0.0
374	5/18/2021 14:23:29	0.0	0.0
375	5/18/2021 14:24:29	0.0	0.0
376	5/18/2021 14:25:29	0.0	0.0
377	5/18/2021 14:26:29	0.0	0.0
378	5/18/2021 14:27:29	0.0	0.0
379	5/18/2021 14:28:29	0.0	0.0
380	5/18/2021 14:29:29	0.0	0.0
381	5/18/2021 14:30:29	0.0	0.0
382	5/18/2021 14:31:29	0.0	0.0
383	5/18/2021 14:32:29	0.0	0.0
384	5/18/2021 14:33:29	0.0	0.0
385	5/18/2021 14:34:29	0.0	0.0
386	5/18/2021 14:35:29	0.0	0.0
387	5/18/2021 14:36:29	0.0	0.0
388	5/18/2021 14:37:29	0.0	0.0
389	5/18/2021 14:38:29	0.0	0.0
390	5/18/2021 14:39:29	0.0	0.0
391	5/18/2021 14:40:29	0.0	0.0
392	5/18/2021 14:41:29	0.0	0.0
393	5/18/2021 14:42:29	0.0	0.0

```
============================================================
21/05/19 08:43
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000 +(PGM-7320)
Unit SN 592-928270
Unit Firmware Ver       V2.20A
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Communication Mode
------------------------------------------------------------
Site ID RAE00000
User ID USER0000
------------------------------------------------------------
Begin   5/19/2021 08:43:21
End     5/19/2021 14:52:49
Sample Period(s)        60
Number of Records       369
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030018W6
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        5/19/2021 08:43
Peak    0.0
Min     0.0
Average 0.0

************************************************************
Datalog
                PID(ppm)        PID(ppm)        PID(ppm)        PID(ppm)
Index   Date/Time       (Min)   (Avg)   (Max)   (Real)
001     5/19/2021 08:44:21      0.0     0.0     0.1     0.0
002     5/19/2021 08:45:21      0.0     0.0     0.0     0.0
003     5/19/2021 08:46:21      0.0     0.0     0.0     0.0
004     5/19/2021 08:47:21      0.0     0.0     0.0     0.0
005     5/19/2021 08:48:21      0.0     0.0     0.0     0.0
006     5/19/2021 08:49:21      0.0     0.0     0.0     0.0
007     5/19/2021 08:50:21      0.0     0.0     0.0     0.0
008     5/19/2021 08:51:21      0.0     0.0     0.0     0.0
```

009	5/19/2021 08:52:21	0.0	0.0	0.0	0.0
010	5/19/2021 08:53:21	0.0	0.0	0.0	0.0
011	5/19/2021 08:54:21	0.0	0.0	0.0	0.0
012	5/19/2021 08:55:21	0.0	0.0	0.0	0.0
013	5/19/2021 08:56:21	0.0	0.0	0.0	0.0
014	5/19/2021 08:57:21	0.0	0.0	0.0	0.0
015	5/19/2021 08:58:21	0.0	0.0	0.0	0.0
016	5/19/2021 08:59:21	0.0	0.0	0.0	0.0
017	5/19/2021 09:00:21	0.0	0.0	0.0	0.0
018	5/19/2021 09:01:21	0.0	0.0	0.0	0.0
019	5/19/2021 09:02:21	0.0	0.0	0.0	0.0
020	5/19/2021 09:03:21	0.0	0.0	0.0	0.0
021	5/19/2021 09:04:21	0.0	0.0	0.0	0.0
022	5/19/2021 09:05:21	0.0	0.0	0.0	0.0
023	5/19/2021 09:06:21	0.0	0.0	0.0	0.0
024	5/19/2021 09:07:21	0.0	0.0	0.0	0.0
025	5/19/2021 09:08:21	0.0	0.0	0.0	0.0
026	5/19/2021 09:09:21	0.0	0.0	0.0	0.0
027	5/19/2021 09:10:21	0.0	0.0	0.0	0.0
028	5/19/2021 09:11:21	0.0	0.0	0.0	0.0
029	5/19/2021 09:12:21	0.0	0.0	0.0	0.0
030	5/19/2021 09:13:21	0.0	0.0	0.0	0.0
031	5/19/2021 09:14:21	0.0	0.0	0.0	0.0
032	5/19/2021 09:15:21	0.0	0.0	0.0	0.0
033	5/19/2021 09:16:21	0.0	0.0	0.0	0.0
034	5/19/2021 09:17:21	0.0	0.0	0.0	0.0
035	5/19/2021 09:18:21	0.0	0.0	0.0	0.0
036	5/19/2021 09:19:21	0.0	0.0	0.0	0.0
037	5/19/2021 09:20:21	0.0	0.0	0.0	0.0
038	5/19/2021 09:21:21	0.0	0.0	0.0	0.0
039	5/19/2021 09:22:21	0.0	0.0	0.0	0.0
040	5/19/2021 09:23:21	0.0	0.0	0.0	0.0
041	5/19/2021 09:24:21	0.0	0.0	0.0	0.0
042	5/19/2021 09:25:21	0.0	0.0	0.0	0.0
043	5/19/2021 09:26:21	0.0	0.0	0.0	0.0
044	5/19/2021 09:27:21	0.0	0.0	0.0	0.0
045	5/19/2021 09:28:21	0.0	0.0	0.0	0.0
046	5/19/2021 09:29:21	0.0	0.0	0.0	0.0
047	5/19/2021 09:30:21	0.0	0.0	0.0	0.0
048	5/19/2021 09:31:21	0.0	0.0	0.0	0.0
049	5/19/2021 09:32:21	0.0	0.0	0.0	0.0
050	5/19/2021 09:33:21	0.0	0.0	0.0	0.0
051	5/19/2021 09:34:21	0.0	0.0	0.0	0.0
052	5/19/2021 09:35:21	0.0	0.0	0.0	0.0
053	5/19/2021 09:36:21	0.0	0.0	0.0	0.0
054	5/19/2021 09:37:21	0.0	0.0	0.0	0.0
055	5/19/2021 09:38:21	0.0	0.0	0.0	0.0
056	5/19/2021 09:39:21	0.0	0.0	0.0	0.0
057	5/19/2021 09:40:21	0.0	0.0	0.0	0.0
058	5/19/2021 09:41:21	0.0	0.0	0.0	0.0

059	5/19/2021	09:42:21	0.0	0.0	0.0	0.0
060	5/19/2021	09:43:21	0.0	0.0	0.0	0.0
061	5/19/2021	09:44:21	0.0	0.0	0.0	0.0
062	5/19/2021	09:45:21	0.0	0.0	0.0	0.0
063	5/19/2021	09:46:21	0.0	0.0	0.0	0.0
064	5/19/2021	09:47:21	0.0	0.0	0.0	0.0
065	5/19/2021	09:48:21	0.0	0.0	0.0	0.0
066	5/19/2021	09:49:21	0.0	0.0	0.0	0.0
067	5/19/2021	09:50:21	0.0	0.0	0.0	0.0
068	5/19/2021	09:51:21	0.0	0.0	0.0	0.0
069	5/19/2021	09:52:21	0.0	0.0	0.0	0.0
070	5/19/2021	09:53:21	0.0	0.0	0.0	0.0
071	5/19/2021	09:54:21	0.0	0.0	0.0	0.0
072	5/19/2021	09:55:21	0.0	0.0	0.0	0.0
073	5/19/2021	09:56:21	0.0	0.0	0.0	0.0
074	5/19/2021	09:57:21	0.0	0.0	0.0	0.0
075	5/19/2021	09:58:21	0.0	0.0	0.0	0.0
076	5/19/2021	09:59:21	0.0	0.0	0.0	0.0
077	5/19/2021	10:00:21	0.0	0.0	0.0	0.0
078	5/19/2021	10:01:21	0.0	0.0	0.0	0.0
079	5/19/2021	10:02:21	0.0	0.0	0.0	0.0
080	5/19/2021	10:03:21	0.0	0.0	0.0	0.0
081	5/19/2021	10:04:21	0.0	0.0	0.0	0.0
082	5/19/2021	10:05:21	0.0	0.0	0.0	0.0
083	5/19/2021	10:06:21	0.0	0.0	0.0	0.0
084	5/19/2021	10:07:21	0.0	0.0	0.0	0.0
085	5/19/2021	10:08:21	0.0	0.0	0.0	0.0
086	5/19/2021	10:09:21	0.0	0.0	0.0	0.0
087	5/19/2021	10:10:21	0.0	0.0	0.0	0.0
088	5/19/2021	10:11:21	0.0	0.0	0.0	0.0
089	5/19/2021	10:12:21	0.0	0.0	0.0	0.0
090	5/19/2021	10:13:21	0.0	0.0	0.0	0.0
091	5/19/2021	10:14:21	0.0	0.0	0.0	0.0
092	5/19/2021	10:15:21	0.0	0.0	0.0	0.0
093	5/19/2021	10:16:21	0.0	0.0	0.0	0.0
094	5/19/2021	10:17:21	0.0	0.0	0.0	0.0
095	5/19/2021	10:18:21	0.0	0.0	0.0	0.0
096	5/19/2021	10:19:21	0.0	0.0	0.0	0.0
097	5/19/2021	10:20:21	0.0	0.0	0.0	0.0
098	5/19/2021	10:21:21	0.0	0.0	0.0	0.0
099	5/19/2021	10:22:21	0.0	0.0	0.0	0.0
100	5/19/2021	10:23:21	0.0	0.0	0.0	0.0
101	5/19/2021	10:24:21	0.0	0.0	0.0	0.0
102	5/19/2021	10:25:21	0.0	0.0	0.0	0.0
103	5/19/2021	10:26:21	0.0	0.0	0.0	0.0
104	5/19/2021	10:27:21	0.0	0.0	0.0	0.0
105	5/19/2021	10:28:21	0.0	0.0	0.0	0.0
106	5/19/2021	10:29:21	0.0	0.0	0.0	0.0
107	5/19/2021	10:30:21	0.0	0.0	0.0	0.0
108	5/19/2021	10:31:21	0.0	0.0	0.0	0.0

109	5/19/2021	10:32:21	0.0	0.0	0.0	0.0
110	5/19/2021	10:33:21	0.0	0.0	0.0	0.0
111	5/19/2021	10:34:21	0.0	0.0	0.0	0.0
112	5/19/2021	10:35:21	0.0	0.0	0.0	0.0
113	5/19/2021	10:36:21	0.0	0.0	0.0	0.0
114	5/19/2021	10:37:21	0.0	0.0	0.0	0.0
115	5/19/2021	10:38:21	0.0	0.0	0.0	0.0
116	5/19/2021	10:39:21	0.0	0.0	0.0	0.0
117	5/19/2021	10:40:21	0.0	0.0	0.0	0.0
118	5/19/2021	10:41:21	0.0	0.0	0.0	0.0
119	5/19/2021	10:42:21	0.0	0.0	0.0	0.0
120	5/19/2021	10:43:21	0.0	0.0	0.0	0.0
121	5/19/2021	10:44:21	0.0	0.0	0.0	0.0
122	5/19/2021	10:45:21	0.0	0.0	0.0	0.0
123	5/19/2021	10:46:21	0.0	0.0	0.0	0.0
124	5/19/2021	10:47:21	0.0	0.0	0.0	0.0
125	5/19/2021	10:48:21	0.0	0.0	0.0	0.0
126	5/19/2021	10:49:21	0.0	0.0	0.0	0.0
127	5/19/2021	10:50:21	0.0	0.0	0.0	0.0
128	5/19/2021	10:51:21	0.0	0.0	0.0	0.0
129	5/19/2021	10:52:21	0.0	0.0	0.0	0.0
130	5/19/2021	10:53:21	0.0	0.0	0.0	0.0
131	5/19/2021	10:54:21	0.0	0.0	0.0	0.0
132	5/19/2021	10:55:21	0.0	0.0	0.0	0.0
133	5/19/2021	10:56:21	0.0	0.0	0.0	0.0
134	5/19/2021	10:57:21	0.0	0.0	0.0	0.0
135	5/19/2021	10:58:21	0.0	0.0	0.0	0.0
136	5/19/2021	10:59:21	0.0	0.0	0.0	0.0
137	5/19/2021	11:00:21	0.0	0.0	0.0	0.0
138	5/19/2021	11:01:21	0.0	0.0	0.0	0.0
139	5/19/2021	11:02:21	0.0	0.0	0.0	0.0
140	5/19/2021	11:03:21	0.0	0.0	0.0	0.0
141	5/19/2021	11:04:21	0.0	0.0	0.0	0.0
142	5/19/2021	11:05:21	0.0	0.0	0.0	0.0
143	5/19/2021	11:06:21	0.0	0.0	0.0	0.0
144	5/19/2021	11:07:21	0.0	0.0	0.0	0.0
145	5/19/2021	11:08:21	0.0	0.0	0.0	0.0
146	5/19/2021	11:09:21	0.0	0.0	0.0	0.0
147	5/19/2021	11:10:21	0.0	0.0	0.0	0.0
148	5/19/2021	11:11:21	0.0	0.0	0.0	0.0
149	5/19/2021	11:12:21	0.0	0.0	0.0	0.0
150	5/19/2021	11:13:21	0.0	0.0	0.0	0.0
151	5/19/2021	11:14:21	0.0	0.0	0.0	0.0
152	5/19/2021	11:15:21	0.0	0.0	0.0	0.0
153	5/19/2021	11:16:21	0.0	0.0	0.0	0.0
154	5/19/2021	11:17:21	0.0	0.0	0.0	0.0
155	5/19/2021	11:18:21	0.0	0.0	0.0	0.0
156	5/19/2021	11:19:21	0.0	0.0	0.0	0.0
157	5/19/2021	11:20:21	0.0	0.0	0.0	0.0
158	5/19/2021	11:21:21	0.0	0.0	0.0	0.0

159	5/19/2021	11:22:21	0.0	0.0	0.0	0.0
160	5/19/2021	11:23:21	0.0	0.0	0.0	0.0
161	5/19/2021	11:24:21	0.0	0.0	0.0	0.0
162	5/19/2021	11:25:21	0.0	0.0	0.0	0.0
163	5/19/2021	11:26:21	0.0	0.0	0.0	0.0
164	5/19/2021	11:27:21	0.0	0.0	0.0	0.0
165	5/19/2021	11:28:21	0.0	0.0	0.0	0.0
166	5/19/2021	11:29:21	0.0	0.0	0.0	0.0
167	5/19/2021	11:30:21	0.0	0.0	0.0	0.0
168	5/19/2021	11:31:21	0.0	0.0	0.0	0.0
169	5/19/2021	11:32:21	0.0	0.0	0.0	0.0
170	5/19/2021	11:33:21	0.0	0.0	0.0	0.0
171	5/19/2021	11:34:21	0.0	0.0	0.0	0.0
172	5/19/2021	11:35:21	0.0	0.0	0.0	0.0
173	5/19/2021	11:36:21	0.0	0.0	0.0	0.0
174	5/19/2021	11:37:21	0.0	0.0	0.0	0.0
175	5/19/2021	11:38:21	0.0	0.0	0.0	0.0
176	5/19/2021	11:39:21	0.0	0.0	0.0	0.0
177	5/19/2021	11:40:21	0.0	0.0	0.0	0.0
178	5/19/2021	11:41:21	0.0	0.0	0.0	0.0
179	5/19/2021	11:42:21	0.0	0.0	0.0	0.0
180	5/19/2021	11:43:21	0.0	0.0	0.0	0.0
181	5/19/2021	11:44:21	0.0	0.0	0.0	0.0
182	5/19/2021	11:45:21	0.0	0.0	0.0	0.0
183	5/19/2021	11:46:21	0.0	0.0	0.0	0.0
184	5/19/2021	11:47:21	0.0	0.0	0.0	0.0
185	5/19/2021	11:48:21	0.0	0.0	0.0	0.0
186	5/19/2021	11:49:21	0.0	0.0	0.0	0.0
187	5/19/2021	11:50:21	0.0	0.0	0.0	0.0
188	5/19/2021	11:51:21	0.0	0.0	0.0	0.0
189	5/19/2021	11:52:21	0.0	0.0	0.0	0.0
190	5/19/2021	11:53:21	0.0	0.0	0.0	0.0
191	5/19/2021	11:54:21	0.0	0.0	0.0	0.0
192	5/19/2021	11:55:21	0.0	0.0	0.0	0.0
193	5/19/2021	11:56:21	0.0	0.0	0.0	0.0
194	5/19/2021	11:57:21	0.0	0.0	0.0	0.0
195	5/19/2021	11:58:21	0.0	0.0	0.0	0.0
196	5/19/2021	11:59:21	0.0	0.0	0.0	0.0
197	5/19/2021	12:00:21	0.0	0.0	0.0	0.0
198	5/19/2021	12:01:21	0.0	0.0	0.0	0.0
199	5/19/2021	12:02:21	0.0	0.0	0.0	0.0
200	5/19/2021	12:03:21	0.0	0.0	0.0	0.0
201	5/19/2021	12:04:21	0.0	0.0	0.0	0.0
202	5/19/2021	12:05:21	0.0	0.0	0.0	0.0
203	5/19/2021	12:06:21	0.0	0.0	0.0	0.0
204	5/19/2021	12:07:21	0.0	0.0	0.0	0.0
205	5/19/2021	12:08:21	0.0	0.0	0.0	0.0
206	5/19/2021	12:09:21	0.0	0.0	0.0	0.0
207	5/19/2021	12:10:21	0.0	0.0	0.0	0.0
208	5/19/2021	12:11:21	0.0	0.0	0.0	0.0

209	5/19/2021 12:12:21	0.0	0.0	0.0	0.0
210	5/19/2021 12:13:21	0.0	0.0	0.0	0.0
211	5/19/2021 12:14:21	0.0	0.0	0.0	0.0
212	5/19/2021 12:15:21	0.0	0.0	0.0	0.0
213	5/19/2021 12:16:21	0.0	0.0	0.0	0.0
214	5/19/2021 12:17:21	0.0	0.0	0.0	0.0
215	5/19/2021 12:18:21	0.0	0.0	0.0	0.0
216	5/19/2021 12:19:21	0.0	0.0	0.0	0.0
217	5/19/2021 12:20:21	0.0	0.0	0.0	0.0
218	5/19/2021 12:21:21	0.0	0.0	0.0	0.0
219	5/19/2021 12:22:21	0.0	0.0	0.0	0.0
220	5/19/2021 12:23:21	0.0	0.0	0.0	0.0
221	5/19/2021 12:24:21	0.0	0.0	0.0	0.0
222	5/19/2021 12:25:21	0.0	0.0	0.0	0.0
223	5/19/2021 12:26:21	0.0	0.0	0.0	0.0
224	5/19/2021 12:27:21	0.0	0.0	0.0	0.0
225	5/19/2021 12:28:21	0.0	0.0	0.0	0.0
226	5/19/2021 12:29:21	0.0	0.0	0.0	0.0
227	5/19/2021 12:30:21	0.0	0.0	0.0	0.0
228	5/19/2021 12:31:21	0.0	0.0	0.0	0.0
229	5/19/2021 12:32:21	0.0	0.0	0.0	0.0
230	5/19/2021 12:33:21	0.0	0.0	0.0	0.0
231	5/19/2021 12:34:21	0.0	0.0	0.0	0.0
232	5/19/2021 12:35:21	0.0	0.0	0.0	0.0
233	5/19/2021 12:36:21	0.0	0.0	0.0	0.0
234	5/19/2021 12:37:21	0.0	0.0	0.0	0.0
235	5/19/2021 12:38:21	0.0	0.0	0.0	0.0
236	5/19/2021 12:39:21	0.0	0.0	0.0	0.0
237	5/19/2021 12:40:21	0.0	0.0	0.0	0.0
238	5/19/2021 12:41:21	0.0	0.0	0.0	0.0
239	5/19/2021 12:42:21	0.0	0.0	0.0	0.0
240	5/19/2021 12:43:21	0.0	0.0	0.0	0.0
241	5/19/2021 12:44:21	0.0	0.0	0.0	0.0
242	5/19/2021 12:45:21	0.0	0.0	0.0	0.0
243	5/19/2021 12:46:21	0.0	0.0	0.0	0.0
244	5/19/2021 12:47:21	0.0	0.0	0.0	0.0
245	5/19/2021 12:48:21	0.0	0.0	0.0	0.0
246	5/19/2021 12:49:21	0.0	0.0	0.0	0.0
247	5/19/2021 12:50:21	0.0	0.0	0.0	0.0
248	5/19/2021 12:51:21	0.0	0.0	0.0	0.0
249	5/19/2021 12:52:21	0.0	0.0	0.0	0.0
250	5/19/2021 12:53:21	0.0	0.0	0.0	0.0
251	5/19/2021 12:54:21	0.0	0.0	0.0	0.0
252	5/19/2021 12:55:21	0.0	0.0	0.0	0.0
253	5/19/2021 12:56:21	0.0	0.0	0.0	0.0
254	5/19/2021 12:57:21	0.0	0.0	0.0	0.0
255	5/19/2021 12:58:21	0.0	0.0	0.0	0.0
256	5/19/2021 12:59:21	0.0	0.0	0.0	0.0
257	5/19/2021 13:00:21	0.0	0.0	0.0	0.0
258	5/19/2021 13:01:21	0.0	0.0	0.0	0.0

259	5/19/2021 13:02:21	0.0	0.0	0.0	0.0
260	5/19/2021 13:03:21	0.0	0.0	0.0	0.0
261	5/19/2021 13:04:21	0.0	0.0	0.0	0.0
262	5/19/2021 13:05:21	0.0	0.0	0.0	0.0
263	5/19/2021 13:06:21	0.0	0.0	0.0	0.0
264	5/19/2021 13:07:21	0.0	0.0	0.0	0.0
265	5/19/2021 13:08:21	0.0	0.0	0.0	0.0
266	5/19/2021 13:09:21	0.0	0.0	0.0	0.0
267	5/19/2021 13:10:21	0.0	0.0	0.0	0.0
268	5/19/2021 13:11:21	0.0	0.0	0.0	0.0
269	5/19/2021 13:12:21	0.0	0.0	0.0	0.0
270	5/19/2021 13:13:21	0.0	0.0	0.0	0.0
271	5/19/2021 13:14:21	0.0	0.0	0.0	0.0
272	5/19/2021 13:15:21	0.0	0.0	0.0	0.0
273	5/19/2021 13:16:21	0.0	0.0	0.0	0.0
274	5/19/2021 13:17:21	0.0	0.0	0.0	0.0
275	5/19/2021 13:18:21	0.0	0.0	0.0	0.0
276	5/19/2021 13:19:21	0.0	0.0	0.0	0.0
277	5/19/2021 13:20:21	0.0	0.0	0.0	0.0
278	5/19/2021 13:21:21	0.0	0.0	0.0	0.0
279	5/19/2021 13:22:21	0.0	0.0	0.0	0.0
280	5/19/2021 13:23:21	0.0	0.0	0.0	0.0
281	5/19/2021 13:24:21	0.0	0.0	0.0	0.0
282	5/19/2021 13:25:21	0.0	0.0	0.0	0.0
283	5/19/2021 13:26:21	0.0	0.0	0.0	0.0
284	5/19/2021 13:27:21	0.0	0.0	0.0	0.0
285	5/19/2021 13:28:21	0.0	0.0	0.0	0.0
286	5/19/2021 13:29:21	0.0	0.0	0.0	0.0
287	5/19/2021 13:30:21	0.0	0.0	0.0	0.0
288	5/19/2021 13:31:21	0.0	0.0	0.0	0.0
289	5/19/2021 13:32:21	0.0	0.0	0.0	0.0
290	5/19/2021 13:33:21	0.0	0.0	0.0	0.0
291	5/19/2021 13:34:21	0.0	0.0	0.0	0.0
292	5/19/2021 13:35:21	0.0	0.0	0.0	0.0
293	5/19/2021 13:36:21	0.0	0.0	0.0	0.0
294	5/19/2021 13:37:21	0.0	0.0	0.0	0.0
295	5/19/2021 13:38:21	0.0	0.0	0.0	0.0
296	5/19/2021 13:39:21	0.0	0.0	0.0	0.0
297	5/19/2021 13:40:21	0.0	0.0	0.0	0.0
298	5/19/2021 13:41:21	0.0	0.0	0.0	0.0
299	5/19/2021 13:42:21	0.0	0.0	0.0	0.0
300	5/19/2021 13:43:21	0.0	0.0	0.0	0.0
301	5/19/2021 13:44:21	0.0	0.0	0.0	0.0
302	5/19/2021 13:45:21	0.0	0.0	0.0	0.0
303	5/19/2021 13:46:21	0.0	0.0	0.0	0.0
304	5/19/2021 13:47:21	0.0	0.0	0.0	0.0
305	5/19/2021 13:48:21	0.0	0.0	0.0	0.0
306	5/19/2021 13:49:21	0.0	0.0	0.0	0.0
307	5/19/2021 13:50:21	0.0	0.0	0.0	0.0
308	5/19/2021 13:51:21	0.0	0.0	0.0	0.0

309	5/19/2021	13:52:21	0.0	0.0	0.0	0.0
310	5/19/2021	13:53:21	0.0	0.0	0.0	0.0
311	5/19/2021	13:54:21	0.0	0.0	0.0	0.0
312	5/19/2021	13:55:21	0.0	0.0	0.0	0.0
313	5/19/2021	13:56:21	0.0	0.0	0.0	0.0
314	5/19/2021	13:57:21	0.0	0.0	0.0	0.0
315	5/19/2021	13:58:21	0.0	0.0	0.0	0.0
316	5/19/2021	13:59:21	0.0	0.0	0.0	0.0
317	5/19/2021	14:00:21	0.0	0.0	0.0	0.0
318	5/19/2021	14:01:21	0.0	0.0	0.0	0.0
319	5/19/2021	14:02:21	0.0	0.0	0.0	0.0
320	5/19/2021	14:03:21	0.0	0.0	0.0	0.0
321	5/19/2021	14:04:21	0.0	0.0	0.0	0.0
322	5/19/2021	14:05:21	0.0	0.0	0.0	0.0
323	5/19/2021	14:06:21	0.0	0.0	0.0	0.0
324	5/19/2021	14:07:21	0.0	0.0	0.0	0.0
325	5/19/2021	14:08:21	0.0	0.0	0.0	0.0
326	5/19/2021	14:09:21	0.0	0.0	0.0	0.0
327	5/19/2021	14:10:21	0.0	0.0	0.0	0.0
328	5/19/2021	14:11:21	0.0	0.0	0.0	0.0
329	5/19/2021	14:12:21	0.0	0.0	0.0	0.0
330	5/19/2021	14:13:21	0.0	0.0	0.0	0.0
331	5/19/2021	14:14:21	0.0	0.0	0.0	0.0
332	5/19/2021	14:15:21	0.0	0.0	0.0	0.0
333	5/19/2021	14:16:21	0.0	0.0	0.0	0.0
334	5/19/2021	14:17:21	0.0	0.0	0.0	0.0
335	5/19/2021	14:18:21	0.0	0.0	0.0	0.0
336	5/19/2021	14:19:21	0.0	0.0	0.0	0.0
337	5/19/2021	14:20:21	0.0	0.0	0.0	0.0
338	5/19/2021	14:21:21	0.0	0.0	0.0	0.0
339	5/19/2021	14:22:21	0.0	0.0	0.0	0.0
340	5/19/2021	14:23:21	0.0	0.0	0.0	0.0
341	5/19/2021	14:24:21	0.0	0.0	0.0	0.0
342	5/19/2021	14:25:21	0.0	0.0	0.0	0.0
343	5/19/2021	14:26:21	0.0	0.0	0.0	0.0
344	5/19/2021	14:27:21	0.0	0.0	0.0	0.0
345	5/19/2021	14:28:21	0.0	0.0	0.0	0.0
346	5/19/2021	14:29:21	0.0	0.0	0.0	0.0
347	5/19/2021	14:30:21	0.0	0.0	0.0	0.0
348	5/19/2021	14:31:21	0.0	0.0	0.0	0.0
349	5/19/2021	14:32:21	0.0	0.0	0.0	0.0
350	5/19/2021	14:33:21	0.0	0.0	0.0	0.0
351	5/19/2021	14:34:21	0.0	0.0	0.0	0.0
352	5/19/2021	14:35:21	0.0	0.0	0.0	0.0
353	5/19/2021	14:36:21	0.0	0.0	0.0	0.0
354	5/19/2021	14:37:21	0.0	0.0	0.0	0.0
355	5/19/2021	14:38:21	0.0	0.0	0.0	0.0
356	5/19/2021	14:39:21	0.0	0.0	0.0	0.0
357	5/19/2021	14:40:21	0.0	0.0	0.0	0.0
358	5/19/2021	14:41:21	0.0	0.0	0.0	0.0

359	5/19/2021 14:42:21	0.0	0.0	0.0	0.0
360	5/19/2021 14:43:21	0.0	0.0	0.0	0.0
361	5/19/2021 14:44:21	0.0	0.0	0.0	0.0
362	5/19/2021 14:45:21	0.0	0.0	0.0	0.0
363	5/19/2021 14:46:21	0.0	0.0	0.0	0.0
364	5/19/2021 14:47:21	0.0	0.0	0.0	0.0
365	5/19/2021 14:48:21	0.0	0.0	0.0	0.0
366	5/19/2021 14:49:21	0.0	0.0	0.0	0.0
367	5/19/2021 14:50:21	0.0	0.0	0.0	0.0
368	5/19/2021 14:51:21	0.0	0.0	0.0	0.0
369	5/19/2021 14:52:21	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.1	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	5/19/2021 08:44:21	0.0	---
002	5/19/2021 08:45:21	0.0	---
003	5/19/2021 08:46:21	0.0	---
004	5/19/2021 08:47:21	0.0	---
005	5/19/2021 08:48:21	0.0	---
006	5/19/2021 08:49:21	0.0	---
007	5/19/2021 08:50:21	0.0	---
008	5/19/2021 08:51:21	0.0	---
009	5/19/2021 08:52:21	0.0	---
010	5/19/2021 08:53:21	0.0	---
011	5/19/2021 08:54:21	0.0	---
012	5/19/2021 08:55:21	0.0	---
013	5/19/2021 08:56:21	0.0	---
014	5/19/2021 08:57:21	0.0	---
015	5/19/2021 08:58:21	0.0	0.0
016	5/19/2021 08:59:21	0.0	0.0
017	5/19/2021 09:00:21	0.0	0.0
018	5/19/2021 09:01:21	0.0	0.0
019	5/19/2021 09:02:21	0.0	0.0
020	5/19/2021 09:03:21	0.0	0.0
021	5/19/2021 09:04:21	0.0	0.0
022	5/19/2021 09:05:21	0.0	0.0
023	5/19/2021 09:06:21	0.0	0.0
024	5/19/2021 09:07:21	0.0	0.0
025	5/19/2021 09:08:21	0.0	0.0
026	5/19/2021 09:09:21	0.0	0.0
027	5/19/2021 09:10:21	0.0	0.0
028	5/19/2021 09:11:21	0.0	0.0
029	5/19/2021 09:12:21	0.0	0.0
030	5/19/2021 09:13:21	0.0	0.0
031	5/19/2021 09:14:21	0.0	0.0

032	5/19/2021 09:15:21	0.0	0.0
033	5/19/2021 09:16:21	0.0	0.0
034	5/19/2021 09:17:21	0.0	0.0
035	5/19/2021 09:18:21	0.0	0.0
036	5/19/2021 09:19:21	0.0	0.0
037	5/19/2021 09:20:21	0.0	0.0
038	5/19/2021 09:21:21	0.0	0.0
039	5/19/2021 09:22:21	0.0	0.0
040	5/19/2021 09:23:21	0.0	0.0
041	5/19/2021 09:24:21	0.0	0.0
042	5/19/2021 09:25:21	0.0	0.0
043	5/19/2021 09:26:21	0.0	0.0
044	5/19/2021 09:27:21	0.0	0.0
045	5/19/2021 09:28:21	0.0	0.0
046	5/19/2021 09:29:21	0.0	0.0
047	5/19/2021 09:30:21	0.0	0.0
048	5/19/2021 09:31:21	0.0	0.0
049	5/19/2021 09:32:21	0.0	0.0
050	5/19/2021 09:33:21	0.0	0.0
051	5/19/2021 09:34:21	0.0	0.0
052	5/19/2021 09:35:21	0.0	0.0
053	5/19/2021 09:36:21	0.0	0.0
054	5/19/2021 09:37:21	0.0	0.0
055	5/19/2021 09:38:21	0.0	0.0
056	5/19/2021 09:39:21	0.0	0.0
057	5/19/2021 09:40:21	0.0	0.0
058	5/19/2021 09:41:21	0.0	0.0
059	5/19/2021 09:42:21	0.0	0.0
060	5/19/2021 09:43:21	0.0	0.0
061	5/19/2021 09:44:21	0.0	0.0
062	5/19/2021 09:45:21	0.0	0.0
063	5/19/2021 09:46:21	0.0	0.0
064	5/19/2021 09:47:21	0.0	0.0
065	5/19/2021 09:48:21	0.0	0.0
066	5/19/2021 09:49:21	0.0	0.0
067	5/19/2021 09:50:21	0.0	0.0
068	5/19/2021 09:51:21	0.0	0.0
069	5/19/2021 09:52:21	0.0	0.0
070	5/19/2021 09:53:21	0.0	0.0
071	5/19/2021 09:54:21	0.0	0.0
072	5/19/2021 09:55:21	0.0	0.0
073	5/19/2021 09:56:21	0.0	0.0
074	5/19/2021 09:57:21	0.0	0.0
075	5/19/2021 09:58:21	0.0	0.0
076	5/19/2021 09:59:21	0.0	0.0
077	5/19/2021 10:00:21	0.0	0.0
078	5/19/2021 10:01:21	0.0	0.0
079	5/19/2021 10:02:21	0.0	0.0
080	5/19/2021 10:03:21	0.0	0.0
081	5/19/2021 10:04:21	0.0	0.0

082	5/19/2021 10:05:21	0.0	0.0
083	5/19/2021 10:06:21	0.0	0.0
084	5/19/2021 10:07:21	0.0	0.0
085	5/19/2021 10:08:21	0.0	0.0
086	5/19/2021 10:09:21	0.0	0.0
087	5/19/2021 10:10:21	0.0	0.0
088	5/19/2021 10:11:21	0.0	0.0
089	5/19/2021 10:12:21	0.0	0.0
090	5/19/2021 10:13:21	0.0	0.0
091	5/19/2021 10:14:21	0.0	0.0
092	5/19/2021 10:15:21	0.0	0.0
093	5/19/2021 10:16:21	0.0	0.0
094	5/19/2021 10:17:21	0.0	0.0
095	5/19/2021 10:18:21	0.0	0.0
096	5/19/2021 10:19:21	0.0	0.0
097	5/19/2021 10:20:21	0.0	0.0
098	5/19/2021 10:21:21	0.0	0.0
099	5/19/2021 10:22:21	0.0	0.0
100	5/19/2021 10:23:21	0.0	0.0
101	5/19/2021 10:24:21	0.0	0.0
102	5/19/2021 10:25:21	0.0	0.0
103	5/19/2021 10:26:21	0.0	0.0
104	5/19/2021 10:27:21	0.0	0.0
105	5/19/2021 10:28:21	0.0	0.0
106	5/19/2021 10:29:21	0.0	0.0
107	5/19/2021 10:30:21	0.0	0.0
108	5/19/2021 10:31:21	0.0	0.0
109	5/19/2021 10:32:21	0.0	0.0
110	5/19/2021 10:33:21	0.0	0.0
111	5/19/2021 10:34:21	0.0	0.0
112	5/19/2021 10:35:21	0.0	0.0
113	5/19/2021 10:36:21	0.0	0.0
114	5/19/2021 10:37:21	0.0	0.0
115	5/19/2021 10:38:21	0.0	0.0
116	5/19/2021 10:39:21	0.0	0.0
117	5/19/2021 10:40:21	0.0	0.0
118	5/19/2021 10:41:21	0.0	0.0
119	5/19/2021 10:42:21	0.0	0.0
120	5/19/2021 10:43:21	0.0	0.0
121	5/19/2021 10:44:21	0.0	0.0
122	5/19/2021 10:45:21	0.0	0.0
123	5/19/2021 10:46:21	0.0	0.0
124	5/19/2021 10:47:21	0.0	0.0
125	5/19/2021 10:48:21	0.0	0.0
126	5/19/2021 10:49:21	0.0	0.0
127	5/19/2021 10:50:21	0.0	0.0
128	5/19/2021 10:51:21	0.0	0.0
129	5/19/2021 10:52:21	0.0	0.0
130	5/19/2021 10:53:21	0.0	0.0
131	5/19/2021 10:54:21	0.0	0.0

132	5/19/2021 10:55:21	0.0	0.0
133	5/19/2021 10:56:21	0.0	0.0
134	5/19/2021 10:57:21	0.0	0.0
135	5/19/2021 10:58:21	0.0	0.0
136	5/19/2021 10:59:21	0.0	0.0
137	5/19/2021 11:00:21	0.0	0.0
138	5/19/2021 11:01:21	0.0	0.0
139	5/19/2021 11:02:21	0.0	0.0
140	5/19/2021 11:03:21	0.0	0.0
141	5/19/2021 11:04:21	0.0	0.0
142	5/19/2021 11:05:21	0.0	0.0
143	5/19/2021 11:06:21	0.0	0.0
144	5/19/2021 11:07:21	0.0	0.0
145	5/19/2021 11:08:21	0.0	0.0
146	5/19/2021 11:09:21	0.0	0.0
147	5/19/2021 11:10:21	0.0	0.0
148	5/19/2021 11:11:21	0.0	0.0
149	5/19/2021 11:12:21	0.0	0.0
150	5/19/2021 11:13:21	0.0	0.0
151	5/19/2021 11:14:21	0.0	0.0
152	5/19/2021 11:15:21	0.0	0.0
153	5/19/2021 11:16:21	0.0	0.0
154	5/19/2021 11:17:21	0.0	0.0
155	5/19/2021 11:18:21	0.0	0.0
156	5/19/2021 11:19:21	0.0	0.0
157	5/19/2021 11:20:21	0.0	0.0
158	5/19/2021 11:21:21	0.0	0.0
159	5/19/2021 11:22:21	0.0	0.0
160	5/19/2021 11:23:21	0.0	0.0
161	5/19/2021 11:24:21	0.0	0.0
162	5/19/2021 11:25:21	0.0	0.0
163	5/19/2021 11:26:21	0.0	0.0
164	5/19/2021 11:27:21	0.0	0.0
165	5/19/2021 11:28:21	0.0	0.0
166	5/19/2021 11:29:21	0.0	0.0
167	5/19/2021 11:30:21	0.0	0.0
168	5/19/2021 11:31:21	0.0	0.0
169	5/19/2021 11:32:21	0.0	0.0
170	5/19/2021 11:33:21	0.0	0.0
171	5/19/2021 11:34:21	0.0	0.0
172	5/19/2021 11:35:21	0.0	0.0
173	5/19/2021 11:36:21	0.0	0.0
174	5/19/2021 11:37:21	0.0	0.0
175	5/19/2021 11:38:21	0.0	0.0
176	5/19/2021 11:39:21	0.0	0.0
177	5/19/2021 11:40:21	0.0	0.0
178	5/19/2021 11:41:21	0.0	0.0
179	5/19/2021 11:42:21	0.0	0.0
180	5/19/2021 11:43:21	0.0	0.0
181	5/19/2021 11:44:21	0.0	0.0

182	5/19/2021 11:45:21	0.0	0.0
183	5/19/2021 11:46:21	0.0	0.0
184	5/19/2021 11:47:21	0.0	0.0
185	5/19/2021 11:48:21	0.0	0.0
186	5/19/2021 11:49:21	0.0	0.0
187	5/19/2021 11:50:21	0.0	0.0
188	5/19/2021 11:51:21	0.0	0.0
189	5/19/2021 11:52:21	0.0	0.0
190	5/19/2021 11:53:21	0.0	0.0
191	5/19/2021 11:54:21	0.0	0.0
192	5/19/2021 11:55:21	0.0	0.0
193	5/19/2021 11:56:21	0.0	0.0
194	5/19/2021 11:57:21	0.0	0.0
195	5/19/2021 11:58:21	0.0	0.0
196	5/19/2021 11:59:21	0.0	0.0
197	5/19/2021 12:00:21	0.0	0.0
198	5/19/2021 12:01:21	0.0	0.0
199	5/19/2021 12:02:21	0.0	0.0
200	5/19/2021 12:03:21	0.0	0.0
201	5/19/2021 12:04:21	0.0	0.0
202	5/19/2021 12:05:21	0.0	0.0
203	5/19/2021 12:06:21	0.0	0.0
204	5/19/2021 12:07:21	0.0	0.0
205	5/19/2021 12:08:21	0.0	0.0
206	5/19/2021 12:09:21	0.0	0.0
207	5/19/2021 12:10:21	0.0	0.0
208	5/19/2021 12:11:21	0.0	0.0
209	5/19/2021 12:12:21	0.0	0.0
210	5/19/2021 12:13:21	0.0	0.0
211	5/19/2021 12:14:21	0.0	0.0
212	5/19/2021 12:15:21	0.0	0.0
213	5/19/2021 12:16:21	0.0	0.0
214	5/19/2021 12:17:21	0.0	0.0
215	5/19/2021 12:18:21	0.0	0.0
216	5/19/2021 12:19:21	0.0	0.0
217	5/19/2021 12:20:21	0.0	0.0
218	5/19/2021 12:21:21	0.0	0.0
219	5/19/2021 12:22:21	0.0	0.0
220	5/19/2021 12:23:21	0.0	0.0
221	5/19/2021 12:24:21	0.0	0.0
222	5/19/2021 12:25:21	0.0	0.0
223	5/19/2021 12:26:21	0.0	0.0
224	5/19/2021 12:27:21	0.0	0.0
225	5/19/2021 12:28:21	0.0	0.0
226	5/19/2021 12:29:21	0.0	0.0
227	5/19/2021 12:30:21	0.0	0.0
228	5/19/2021 12:31:21	0.0	0.0
229	5/19/2021 12:32:21	0.0	0.0
230	5/19/2021 12:33:21	0.0	0.0
231	5/19/2021 12:34:21	0.0	0.0

232	5/19/2021 12:35:21	0.0	0.0
233	5/19/2021 12:36:21	0.0	0.0
234	5/19/2021 12:37:21	0.0	0.0
235	5/19/2021 12:38:21	0.0	0.0
236	5/19/2021 12:39:21	0.0	0.0
237	5/19/2021 12:40:21	0.0	0.0
238	5/19/2021 12:41:21	0.0	0.0
239	5/19/2021 12:42:21	0.0	0.0
240	5/19/2021 12:43:21	0.0	0.0
241	5/19/2021 12:44:21	0.0	0.0
242	5/19/2021 12:45:21	0.0	0.0
243	5/19/2021 12:46:21	0.0	0.0
244	5/19/2021 12:47:21	0.0	0.0
245	5/19/2021 12:48:21	0.0	0.0
246	5/19/2021 12:49:21	0.0	0.0
247	5/19/2021 12:50:21	0.0	0.0
248	5/19/2021 12:51:21	0.0	0.0
249	5/19/2021 12:52:21	0.0	0.0
250	5/19/2021 12:53:21	0.0	0.0
251	5/19/2021 12:54:21	0.0	0.0
252	5/19/2021 12:55:21	0.0	0.0
253	5/19/2021 12:56:21	0.0	0.0
254	5/19/2021 12:57:21	0.0	0.0
255	5/19/2021 12:58:21	0.0	0.0
256	5/19/2021 12:59:21	0.0	0.0
257	5/19/2021 13:00:21	0.0	0.0
258	5/19/2021 13:01:21	0.0	0.0
259	5/19/2021 13:02:21	0.0	0.0
260	5/19/2021 13:03:21	0.0	0.0
261	5/19/2021 13:04:21	0.0	0.0
262	5/19/2021 13:05:21	0.0	0.0
263	5/19/2021 13:06:21	0.0	0.0
264	5/19/2021 13:07:21	0.0	0.0
265	5/19/2021 13:08:21	0.0	0.0
266	5/19/2021 13:09:21	0.0	0.0
267	5/19/2021 13:10:21	0.0	0.0
268	5/19/2021 13:11:21	0.0	0.0
269	5/19/2021 13:12:21	0.0	0.0
270	5/19/2021 13:13:21	0.0	0.0
271	5/19/2021 13:14:21	0.0	0.0
272	5/19/2021 13:15:21	0.0	0.0
273	5/19/2021 13:16:21	0.0	0.0
274	5/19/2021 13:17:21	0.0	0.0
275	5/19/2021 13:18:21	0.0	0.0
276	5/19/2021 13:19:21	0.0	0.0
277	5/19/2021 13:20:21	0.0	0.0
278	5/19/2021 13:21:21	0.0	0.0
279	5/19/2021 13:22:21	0.0	0.0
280	5/19/2021 13:23:21	0.0	0.0
281	5/19/2021 13:24:21	0.0	0.0

282	5/19/2021 13:25:21	0.0	0.0
283	5/19/2021 13:26:21	0.0	0.0
284	5/19/2021 13:27:21	0.0	0.0
285	5/19/2021 13:28:21	0.0	0.0
286	5/19/2021 13:29:21	0.0	0.0
287	5/19/2021 13:30:21	0.0	0.0
288	5/19/2021 13:31:21	0.0	0.0
289	5/19/2021 13:32:21	0.0	0.0
290	5/19/2021 13:33:21	0.0	0.0
291	5/19/2021 13:34:21	0.0	0.0
292	5/19/2021 13:35:21	0.0	0.0
293	5/19/2021 13:36:21	0.0	0.0
294	5/19/2021 13:37:21	0.0	0.0
295	5/19/2021 13:38:21	0.0	0.0
296	5/19/2021 13:39:21	0.0	0.0
297	5/19/2021 13:40:21	0.0	0.0
298	5/19/2021 13:41:21	0.0	0.0
299	5/19/2021 13:42:21	0.0	0.0
300	5/19/2021 13:43:21	0.0	0.0
301	5/19/2021 13:44:21	0.0	0.0
302	5/19/2021 13:45:21	0.0	0.0
303	5/19/2021 13:46:21	0.0	0.0
304	5/19/2021 13:47:21	0.0	0.0
305	5/19/2021 13:48:21	0.0	0.0
306	5/19/2021 13:49:21	0.0	0.0
307	5/19/2021 13:50:21	0.0	0.0
308	5/19/2021 13:51:21	0.0	0.0
309	5/19/2021 13:52:21	0.0	0.0
310	5/19/2021 13:53:21	0.0	0.0
311	5/19/2021 13:54:21	0.0	0.0
312	5/19/2021 13:55:21	0.0	0.0
313	5/19/2021 13:56:21	0.0	0.0
314	5/19/2021 13:57:21	0.0	0.0
315	5/19/2021 13:58:21	0.0	0.0
316	5/19/2021 13:59:21	0.0	0.0
317	5/19/2021 14:00:21	0.0	0.0
318	5/19/2021 14:01:21	0.0	0.0
319	5/19/2021 14:02:21	0.0	0.0
320	5/19/2021 14:03:21	0.0	0.0
321	5/19/2021 14:04:21	0.0	0.0
322	5/19/2021 14:05:21	0.0	0.0
323	5/19/2021 14:06:21	0.0	0.0
324	5/19/2021 14:07:21	0.0	0.0
325	5/19/2021 14:08:21	0.0	0.0
326	5/19/2021 14:09:21	0.0	0.0
327	5/19/2021 14:10:21	0.0	0.0
328	5/19/2021 14:11:21	0.0	0.0
329	5/19/2021 14:12:21	0.0	0.0
330	5/19/2021 14:13:21	0.0	0.0
331	5/19/2021 14:14:21	0.0	0.0

332	5/19/2021 14:15:21	0.0	0.0
333	5/19/2021 14:16:21	0.0	0.0
334	5/19/2021 14:17:21	0.0	0.0
335	5/19/2021 14:18:21	0.0	0.0
336	5/19/2021 14:19:21	0.0	0.0
337	5/19/2021 14:20:21	0.0	0.0
338	5/19/2021 14:21:21	0.0	0.0
339	5/19/2021 14:22:21	0.0	0.0
340	5/19/2021 14:23:21	0.0	0.0
341	5/19/2021 14:24:21	0.0	0.0
342	5/19/2021 14:25:21	0.0	0.0
343	5/19/2021 14:26:21	0.0	0.0
344	5/19/2021 14:27:21	0.0	0.0
345	5/19/2021 14:28:21	0.0	0.0
346	5/19/2021 14:29:21	0.0	0.0
347	5/19/2021 14:30:21	0.0	0.0
348	5/19/2021 14:31:21	0.0	0.0
349	5/19/2021 14:32:21	0.0	0.0
350	5/19/2021 14:33:21	0.0	0.0
351	5/19/2021 14:34:21	0.0	0.0
352	5/19/2021 14:35:21	0.0	0.0
353	5/19/2021 14:36:21	0.0	0.0
354	5/19/2021 14:37:21	0.0	0.0
355	5/19/2021 14:38:21	0.0	0.0
356	5/19/2021 14:39:21	0.0	0.0
357	5/19/2021 14:40:21	0.0	0.0
358	5/19/2021 14:41:21	0.0	0.0
359	5/19/2021 14:42:21	0.0	0.0
360	5/19/2021 14:43:21	0.0	0.0
361	5/19/2021 14:44:21	0.0	0.0
362	5/19/2021 14:45:21	0.0	0.0
363	5/19/2021 14:46:21	0.0	0.0
364	5/19/2021 14:47:21	0.0	0.0
365	5/19/2021 14:48:21	0.0	0.0
366	5/19/2021 14:49:21	0.0	0.0
367	5/19/2021 14:50:21	0.0	0.0
368	5/19/2021 14:51:21	0.0	0.0
369	5/19/2021 14:52:21	0.0	0.0

APPENDIX H

Indoor Air & Soil Vapor Sampling Documentation

LANGAN

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Alessandra Looman Date/Time Prepared 04/18/22 0800

Preparer's Affiliation Field Engineer Phone No. 732-757-9431

Purpose of Investigation Indoor Air Quality Assessment for SSDS

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: [various] First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: Allied Rossville LLC First Name: _____

Address: 118-25 Queens Blvd, 16th Floor, Forest Hills, NY

County: Queens

Home Phone: _____ Office Phone: 917-642-6357
Doug King, Muss Development
(Property Manager)

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 11

If the property is commercial, type?

Business Type(s) ice cream shop, taekwondo school, salon, liquor store, dry cleaner, grocery, vacant, Chinese food restaurant, bagel shop, laundromat, pizzeria

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age 30 years (built 1992)

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other partial (grocery)
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: natural gas

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	grocery prep space
1st Floor	commercial (business types as listed in #3 above)
2nd Floor	N/A
3rd Floor	N/A
4th Floor	N/A

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? (Y) / N When & Type? daily in all units; standard cleaning products

i. Have cosmetic products been used recently? (Y) / N When & Type? daily in salon space; hair and nail products

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? roof

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? (Y) / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? cleaning products, hair and nail products

If yes, are their clothes washed at work? Y / (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
(Yes, work at a dry-cleaning service)

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency) (N/A)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS See site map attached.

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

First Floor:

12. OUTDOOR PLOT See site map attached.

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

13. PRODUCT INVENTORY FORM

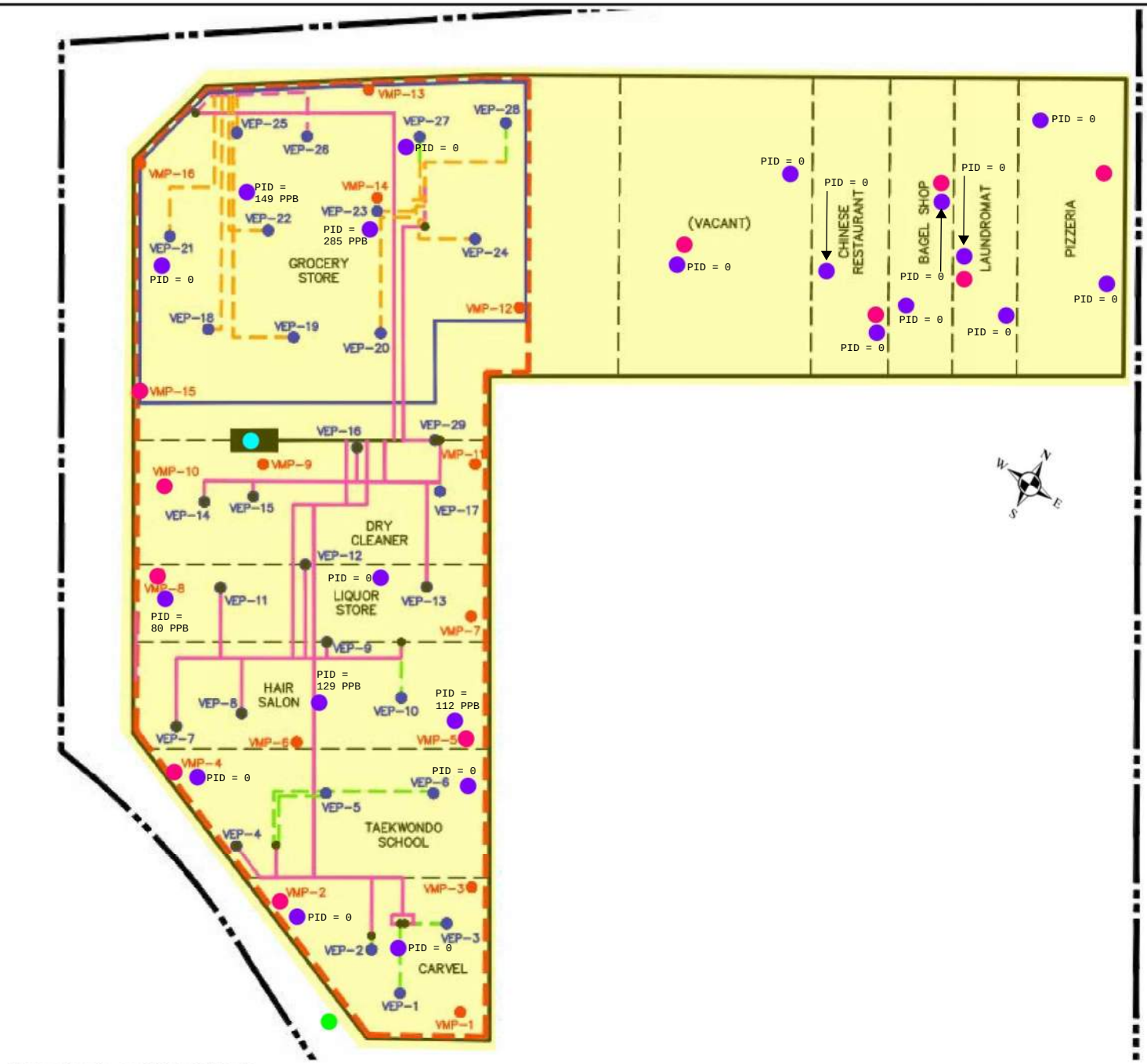
Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Taekwondo	disinfecting wipes	75 wipes	U	chlorinated compounds	ND	
Taekwondo	Raid insecticide	30 fl oz	U	pesticides	ND	
Taekwondo	Windex	32 fl oz	U	alcohols, glass cleaner	ND	
Taekwondo	Fantastik	32 fl oz	U	chlorinated compounds	ND	
ice cream	bleach	32 fl oz	U	chlorinated compounds	ND	
ice cream	Windex	32 fl oz	U	alcohols, glass cleaner	ND	
ice cream	Super San Sanitizer	1 gal	U	chlorinated compounds	ND	
ice cream	Premium Dish Detergent	1 gal	U	dish detergent	ND	
grocery	Prestone antifreeze	1 gal	UO	ethanediol	ND	
grocery	Lucas lubricant	5.25 fl oz	UO	Hydrotreated heavy paraffinic distillate	ND	
grocery	STP gas treatment	5.25 fl oz	UO	Petroleum Distillates	ND	
grocery	STP fuel injector treatment	5.25 fl oz	UO	Petroleum Distillates, Ethoxylated Amine	ND	
grocery	RainX De-Icer	15 oz	UO	methyl alcohol	ND	
grocery	STP power steering fluid	12 fl oz	UO	distillates, petroleum, hydrotreated heavy paraffinic	ND	
laundromat	Downy fabric softener	2.68 L	U	HCl, formic acid	ND	
laundromat	Snuggle fabric softener	2.68 L	U	HCl, formic acid	ND	
laundromat	Tide original scent	156 cartons	UO	sodium borate, ethanolamine, polyethyleneimine ethoxylates	ND	
laundromat	Arm & Hammer baking soda	12 oz	U	sodium bicarbonate	ND	

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

SITE MAP (SSDS)



Approximate and Not to Scale

LEGEND

- PROPERTY LINE
- EXISTING BUILDING OUTLINE
- INTERIOR WALL
- VEP-1 SSDS FULL-SCALE VEP
- VMP-1 SSDS FULL-SCALE VMP
- PROPOSED SSDS MITIGATION AREA
- APPROXIMATE BASEMENT EXTENTS
- WORK AREA
- SOIL VAPOR SAMPLE LOCATION 4/18/22
- INDOOR AIR SAMPLE LOCATION 4/18/22
- AMBIENT AIR SAMPLE LOCATION 4/18/22
- SOIL VAPOR EFFLUENT SAMPLE LOCATION 4/18/22
- INDIVIDUAL BELOW GRADE WELL LINE (SCH40 PVC)
- INDIVIDUAL ABOVE GROUND WELL LINE (2-INCH BLACK STEEL)
- INTERIOR SUBHEADER LINE (4-INCH BLACK STEEL)
- EXTERIOR SUBHEADER LINE (4-INCH SCH40 PVC)
- EXTERIOR MAIN HEADER LINE (6-INCH SCH40 PVC)
- ROOF PENETRATION LOCATION

NOTES

1. Basemap taken from As-Built SSDS Well Manifold Layout prepared by Langan dated 12 April 2022.

2. SSDS design has been modified to incorporate additional roof penetrations, relocate all interior subheader lines to the building exterior, and minimize the amount of interior above-ground horizontal piping.

3. Proposed horizontal above-grade interior piping associated with VEP-5 and VEP-6 was redesigned to run below-grade.

4. Proposed horizontal below-grade interior piping associated with VEP-16 and VEP-17 was redesigned to run to the northern wall of the dry cleaner tenant space.

5. Interior well-line and roof penetration locations within the grocery store tenant space basement have been modified based on field conditions.

APPENDIX I

Indoor Air & Soil Vapor Sample Laboratory Analytical Data Report

LANGAN

ANALYTICAL REPORT

Lab Number:	L2220121
Client:	Langan Engineering & Environmental 300 Kimball Drive 4th Floor Parsippany, NJ 07054
ATTN:	Matthew Ambrusch
Phone:	(973) 560-4282
Project Name:	990 ROSSVILLE AVE
Project Number:	100849501
Report Date:	04/27/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2220121-01	IA01_041822	AIR	990 ROSSVILLE AVE	04/18/22 17:25	04/19/22
L2220121-02	IA02_041822	AIR	990 ROSSVILLE AVE	04/18/22 17:27	04/19/22
L2220121-03	IA03_041822	AIR	990 ROSSVILLE AVE	04/18/22 17:32	04/19/22
L2220121-04	IA04_041822	AIR	990 ROSSVILLE AVE	04/18/22 17:31	04/19/22
L2220121-05	IA05_041822	AIR	990 ROSSVILLE AVE	04/18/22 18:30	04/19/22
L2220121-06	IA06_041822	AIR	990 ROSSVILLE AVE	04/18/22 18:30	04/19/22
L2220121-07	IA07_041822	AIR	990 ROSSVILLE AVE	04/18/22 17:34	04/19/22
L2220121-08	IA08_041822	AIR	990 ROSSVILLE AVE	04/18/22 18:21	04/19/22
L2220121-09	IA09_041822	AIR	990 ROSSVILLE AVE	04/18/22 17:37	04/19/22
L2220121-10	IA10_041822	AIR	990 ROSSVILLE AVE	04/18/22 18:37	04/19/22
L2220121-11	IA11_041822	AIR	990 ROSSVILLE AVE	04/18/22 18:39	04/19/22
L2220121-12	IA12_041822	AIR	990 ROSSVILLE AVE	04/18/22 18:41	04/19/22
L2220121-13	IA13_041822	AIR	990 ROSSVILLE AVE	04/18/22 18:47	04/19/22
L2220121-14	IA14_041822	AIR	990 ROSSVILLE AVE	04/18/22 20:07	04/19/22
L2220121-15	IA15_041822	AIR	990 ROSSVILLE AVE	04/18/22 20:41	04/19/22
L2220121-16	IA16_041822	AIR	990 ROSSVILLE AVE	04/18/22 20:41	04/19/22
L2220121-17	IA17_041822	AIR	990 ROSSVILLE AVE	04/18/22 19:50	04/19/22
L2220121-18	IA18_041822	AIR	990 ROSSVILLE AVE	04/18/22 19:48	04/19/22
L2220121-19	IA19_041822	AIR	990 ROSSVILLE AVE	04/18/22 20:15	04/19/22
L2220121-20	IA20_041822	AIR	990 ROSSVILLE AVE	04/18/22 20:15	04/19/22
L2220121-21	SV01_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 17:26	04/19/22
L2220121-22	SV02_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 17:29	04/19/22
L2220121-23	SV03_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 18:29	04/19/22
L2220121-24	SV04_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 18:20	04/19/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2220121-25	SV05_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 18:03	04/19/22
L2220121-26	SV06_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 18:43	04/19/22
L2220121-27	SV07_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 13:37	04/19/22
L2220121-28	SV08_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 14:32	04/19/22
L2220121-29	SV09_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 13:44	04/19/22
L2220121-30	SV10_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 14:56	04/19/22
L2220121-31	SV11_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 14:03	04/19/22
L2220121-32	SVDUP01_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 20:05	04/19/22
L2220121-33	IA21_041822	AIR	990 ROSSVILLE AVE	04/18/22 20:10	04/19/22
L2220121-34	IA22_041822	AIR	990 ROSSVILLE AVE	04/18/22 20:10	04/19/22
L2220121-35	IADUP01_041822	AIR	990 ROSSVILLE AVE	04/18/22 20:56	04/19/22
L2220121-36	IADUP02_041822	AIR	990 ROSSVILLE AVE	04/18/22 20:58	04/19/22
L2220121-37	SVE01_OUT_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 18:47	04/19/22
L2220121-38	AA01_041822	AIR	990 ROSSVILLE AVE	04/18/22 21:04	04/19/22
L2220121-39	SVEDUP01_OUT_041822	SOIL_VAPOR	990 ROSSVILLE AVE	04/18/22 20:50	04/19/22

Project Name:	990 ROSSVILLE AVE	**Lab Number:**	L2220121
Project Number:	100849501	**Report Date:**	04/27/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	990 ROSSVILLE AVE	**Lab Number:**	L2220121
Project Number:	100849501	**Report Date:**	04/27/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 15, 2022. The canister certification results are provided as an addendum.

L2220121-07, -11, -12, -19, and -20: The samples were re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2220121-07D, -11D, -12D, -19D, and -20D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2220121-33, -34, and -35: The samples were re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2220121-33D, -34D, and -35D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 04/27/22

AIR

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-01
Client ID: IA01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:25
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/25/22 18:15
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.571	0.200	--	2.82	0.989	--		1
Chloromethane	0.623	0.200	--	1.29	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	341	5.00	--	643	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.40	1.00	--	15.2	2.38	--		1
Trichlorofluoromethane	0.377	0.200	--	2.12	1.12	--		1
Isopropanol	2.74	0.500	--	6.74	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.543	0.500	--	1.89	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	0.576	0.500	--	2.08	1.80	--		1
Chloroform	1.60	0.200	--	7.81	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-01
Client ID: IA01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:25
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-01
Client ID: IA01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:25
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-01
Client ID: IA01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:25
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/25/22 18:15
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.094	0.020	--	0.591	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-02
Client ID: IA02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:27
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/25/22 18:54
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.555	0.200	--	2.74	0.989	--		1
Chloromethane	0.610	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	356	5.00	--	671	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.27	1.00	--	10.1	2.38	--		1
Trichlorofluoromethane	0.326	0.200	--	1.83	1.12	--		1
Isopropanol	2.71	0.500	--	6.66	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	0.612	0.500	--	2.21	1.80	--		1
Chloroform	0.737	0.200	--	3.60	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-02
Client ID: IA02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:27
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-02
Client ID: IA02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:27
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-02
Client ID: IA02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:27
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/25/22 18:54
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-03
Client ID: IA03_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:32
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/25/22 19:33
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.532	0.200	--	2.63	0.989	--		1
Chloromethane	0.622	0.200	--	1.28	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	294	5.00	--	554	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.60	1.00	--	15.7	2.38	--		1
Trichlorofluoromethane	0.803	0.200	--	4.51	1.12	--		1
Isopropanol	3.22	0.500	--	7.92	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-03
Client ID: IA03_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:32
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-03
Client ID: IA03_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:32
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-03
Client ID: IA03_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:32
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/25/22 19:33
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-04
Client ID: IA04_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:31
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/25/22 20:12
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.542	0.200	--	2.68	0.989	--		1
Chloromethane	0.627	0.200	--	1.29	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	198	5.00	--	373	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.15	1.00	--	19.4	2.38	--		1
Trichlorofluoromethane	0.915	0.200	--	5.14	1.12	--		1
Isopropanol	8.27	0.500	--	20.3	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-04
Client ID: IA04_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:31
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-04
Client ID: IA04_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:31
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-04
Client ID: IA04_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:31
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/25/22 20:12
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.102	0.020	--	0.642	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-05
Client ID: IA05_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:30
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/25/22 20:51
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.552	0.200	--	2.73	0.989	--		1
Chloromethane	0.601	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	487	5.00	--	918	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	59.4	1.00	--	141	2.38	--		1
Trichlorofluoromethane	1.03	0.200	--	5.79	1.12	--		1
Isopropanol	148	0.500	--	364	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.02	0.500	--	3.54	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	2.02	0.500	--	7.28	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-05
Client ID: IA05_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:30
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.334	0.200	--	1.26	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-05
Client ID: IA05_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:30
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-05
Client ID: IA05_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:30
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/25/22 20:51
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.097	0.020	--	0.610	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.036	0.020	--	0.244	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-06
Client ID: IA06_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:30
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/25/22 21:31
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.565	0.200	--	2.79	0.989	--		1
Chloromethane	0.583	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	490	5.00	--	923	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	69.9	1.00	--	166	2.38	--		1
Trichlorofluoromethane	1.16	0.200	--	6.52	1.12	--		1
Isopropanol	174	0.500	--	428	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	1.70	0.500	--	6.13	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-06
Client ID: IA06_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:30
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.358	0.200	--	1.35	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-06
Client ID: IA06_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:30
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-06
Client ID: IA06_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:30
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/25/22 21:31
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.094	0.020	--	0.591	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.043	0.020	--	0.292	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-07
Client ID: IA07_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:34
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 19:16
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.528	0.200	--	2.61	0.989	--		1
Chloromethane	0.708	0.200	--	1.46	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	598	5.00	--	1130	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.1	1.00	--	24.0	2.38	--		1
Trichlorofluoromethane	0.864	0.200	--	4.86	1.12	--		1
Isopropanol	86.0	0.500	--	211	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.01	0.500	--	3.51	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-07
Client ID: IA07_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:34
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.562	0.200	--	2.12	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-07
Client ID: IA07_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:34
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-07
Client ID: IA07_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:34
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 19:16
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.211	0.020	--	1.43	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-07 D
Client ID: IA07_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:34
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 05:02
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	677	31.2	--	1280	58.8	--		6.25

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	95		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	93		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-08
Client ID: IA08_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:21
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 19:55
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.551	0.200	--	2.72	0.989	--		1
Chloromethane	0.729	0.200	--	1.51	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	464	5.00	--	874	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.8	1.00	--	42.3	2.38	--		1
Trichlorofluoromethane	1.01	0.200	--	5.68	1.12	--		1
Isopropanol	137	0.500	--	337	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-08
Client ID: IA08_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:21
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.425	0.200	--	1.60	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-08
Client ID: IA08_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:21
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	98		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-08
Client ID: IA08_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:21
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 19:55
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.363	0.020	--	2.46	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-09
Client ID: IA09_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 20:35
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.538	0.200	--	2.66	0.989	--		1
Chloromethane	0.733	0.200	--	1.51	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	313	5.00	--	590	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.49	1.00	--	22.5	2.38	--		1
Trichlorofluoromethane	0.409	0.200	--	2.30	1.12	--		1
Isopropanol	176	0.500	--	433	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.564	0.500	--	1.96	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	1.64	0.500	--	5.91	1.80	--		1
Chloroform	0.235	0.200	--	1.15	0.977	--		1
Tetrahydrofuran	0.517	0.500	--	1.52	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-09
Client ID: IA09_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.225	0.200	--	0.848	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-09
Client ID: IA09_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	97		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-09
Client ID: IA09_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 20:35
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.107	0.020	--	0.673	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.096	0.020	--	0.651	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	96		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-10
Client ID: IA10_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 21:14
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.561	0.200	--	2.77	0.989	--		1
Chloromethane	0.748	0.200	--	1.54	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	165	5.00	--	311	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.44	1.00	--	10.5	2.38	--		1
Trichlorofluoromethane	0.362	0.200	--	2.03	1.12	--		1
Isopropanol	41.5	0.500	--	102	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	1.91	0.500	--	6.88	1.80	--		1
Chloroform	0.210	0.200	--	1.03	0.977	--		1
Tetrahydrofuran	0.574	0.500	--	1.69	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-10
Client ID: IA10_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-10
Client ID: IA10_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	98		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-10
Client ID: IA10_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 21:14
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.099	0.020	--	0.623	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.069	0.020	--	0.468	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	97		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-11
Client ID: IA11_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:39
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 21:53
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.552	0.200	--	2.73	0.989	--		1
Chloromethane	0.836	0.200	--	1.73	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	902	5.00	--	1700	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.77	1.00	--	13.7	2.38	--		1
Trichlorofluoromethane	0.982	0.200	--	5.52	1.12	--		1
Isopropanol	56.7	0.500	--	139	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	2.04	0.500	--	7.35	1.80	--		1
Chloroform	0.546	0.200	--	2.67	0.977	--		1
Tetrahydrofuran	0.635	0.500	--	1.87	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-11
Client ID: IA11_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:39
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-11
Client ID: IA11_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:39
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	99		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-11
Client ID: IA11_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:39
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 21:53
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.111	0.020	--	0.698	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.164	0.020	--	1.11	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	98		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-11 D
Client ID: IA11_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:39
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 08:17
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	1180	25.0	--	2220	47.1	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-12
Client ID: IA12_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 23:12
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.555	0.200	--	2.74	0.989	--		1
Chloromethane	0.824	0.200	--	1.70	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	1960	5.00	--	3690	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.38	1.00	--	17.5	2.38	--		1
Trichlorofluoromethane	0.859	0.200	--	4.83	1.12	--		1
Isopropanol	52.8	0.500	--	130	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.348	0.200	--	1.08	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.816	0.500	--	2.41	1.47	--		1
Ethyl Acetate	2.65	0.500	--	9.55	1.80	--		1
Chloroform	0.636	0.200	--	3.11	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-12
Client ID: IA12_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-12
Client ID: IA12_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	97		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-12
Client ID: IA12_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 23:12
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.114	0.020	--	0.717	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.140	0.020	--	0.949	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	97		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-12 D
Client ID: IA12_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 09:30
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	2760	83.4	--	5200	157	--		16.67

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	87		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	89		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-13
Client ID: IA13_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:47
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 23:51
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.558	0.200	--	2.76	0.989	--		1
Chloromethane	0.741	0.200	--	1.53	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	36.6	5.00	--	69.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.77	1.00	--	6.58	2.38	--		1
Trichlorofluoromethane	0.470	0.200	--	2.64	1.12	--		1
Isopropanol	4.25	0.500	--	10.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.929	0.500	--	3.23	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.254	0.200	--	1.24	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-13
Client ID: IA13_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:47
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.339	0.200	--	1.28	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-13
Client ID: IA13_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:47
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	96		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-13
Client ID: IA13_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:47
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 23:51
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.022	0.020	--	0.149	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-14
Client ID: IA14_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:07
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 00:30
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.549	0.200	--	2.71	0.989	--		1
Chloromethane	0.719	0.200	--	1.48	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	29.6	5.00	--	55.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.76	1.00	--	6.56	2.38	--		1
Trichlorofluoromethane	0.478	0.200	--	2.69	1.12	--		1
Isopropanol	3.60	0.500	--	8.85	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.789	0.200	--	3.85	0.977	--		1
Tetrahydrofuran	0.553	0.500	--	1.63	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-14
Client ID: IA14_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:07
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-14
Client ID: IA14_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:07
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	96		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-14
Client ID: IA14_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:07
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/27/22 00:30
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.027	0.020	--	0.183	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-15
Client ID: IA15_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 01:10
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.608	0.200	--	3.01	0.989	--		1
Chloromethane	0.751	0.200	--	1.55	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	99.7	5.00	--	188	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.22	1.00	--	7.65	2.38	--		1
Trichlorofluoromethane	0.468	0.200	--	2.63	1.12	--		1
Isopropanol	2.55	0.500	--	6.27	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.204	0.200	--	0.996	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-15
Client ID: IA15_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-15
Client ID: IA15_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	97		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-15
Client ID: IA15_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/27/22 01:10
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	97		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-16
Client ID: IA16_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 01:49
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.553	0.200	--	2.73	0.989	--		1
Chloromethane	0.713	0.200	--	1.47	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	80.6	5.00	--	152	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.79	1.00	--	6.63	2.38	--		1
Trichlorofluoromethane	0.672	0.200	--	3.78	1.12	--		1
Isopropanol	3.63	0.500	--	8.92	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-16
Client ID: IA16_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-16
Client ID: IA16_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-16
Client ID: IA16_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:41
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/27/22 01:49
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.037	0.020	--	0.251	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-17
Client ID: IA17_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 19:50
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 02:28
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.526	0.200	--	2.60	0.989	--		1
Chloromethane	0.739	0.200	--	1.53	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	243	5.00	--	458	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.71	1.00	--	8.81	2.38	--		1
Trichlorofluoromethane	0.315	0.200	--	1.77	1.12	--		1
Isopropanol	3.96	0.500	--	9.73	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.02	0.500	--	3.54	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.646	0.200	--	3.15	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-17
Client ID: IA17_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 19:50
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-17
Client ID: IA17_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 19:50
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-17
Client ID: IA17_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 19:50
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/27/22 02:28
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-18
Client ID: IA18_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 19:48
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 03:07
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.568	0.200	--	2.81	0.989	--		1
Chloromethane	0.791	0.200	--	1.63	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	226	5.00	--	426	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.82	1.00	--	9.07	2.38	--		1
Trichlorofluoromethane	0.314	0.200	--	1.76	1.12	--		1
Isopropanol	4.22	0.500	--	10.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.36	0.500	--	4.72	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.587	0.200	--	2.87	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-18
Client ID: IA18_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 19:48
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.290	0.200	--	1.09	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-18
Client ID: IA18_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 19:48
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	96		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-18
Client ID: IA18_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 19:48
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/27/22 03:07
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-19
Client ID: IA19_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:15
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 03:46
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.541	0.200	--	2.68	0.989	--		1
Chloromethane	1.36	0.200	--	2.81	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	986	5.00	--	1860	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.4	1.00	--	27.1	2.38	--		1
Trichlorofluoromethane	0.259	0.200	--	1.46	1.12	--		1
Isopropanol	39.4	0.500	--	96.8	1.23	--		1
Tertiary butyl Alcohol	0.723	0.500	--	2.19	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	5.22	0.200	--	25.5	0.977	--		1
Tetrahydrofuran	0.958	0.500	--	2.83	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-19
Client ID: IA19_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:15
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.261	0.200	--	1.75	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-19
Client ID: IA19_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:15
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-19
Client ID: IA19_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:15
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/27/22 03:46
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.149	0.020	--	0.937	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.042	0.020	--	0.285	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-19 D
Client ID: IA19_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:15
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 10:05
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	840	25.0	--	1580	47.1	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	92		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-20
Client ID: IA20_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:15
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 04:26
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.531	0.200	--	2.63	0.989	--		1
Chloromethane	1.36	0.200	--	2.81	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	753	5.00	--	1420	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.9	1.00	--	28.3	2.38	--		1
Trichlorofluoromethane	0.263	0.200	--	1.48	1.12	--		1
Isopropanol	30.8	0.500	--	75.7	1.23	--		1
Tertiary butyl Alcohol	0.685	0.500	--	2.08	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	5.58	0.200	--	27.2	0.977	--		1
Tetrahydrofuran	1.91	0.500	--	5.63	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-20
Client ID: IA20_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:15
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.538	0.200	--	1.85	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.270	0.200	--	1.81	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.219	0.200	--	0.825	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-20
Client ID: IA20_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:15
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-20
Client ID: IA20_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:15
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/27/22 04:26
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.158	0.020	--	0.994	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.043	0.020	--	0.292	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-20 D
Client ID: IA20_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:15
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 10:41
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	840	25.0	--	1580	47.1	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	91		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-21
Client ID: SV01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:26
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 07:02
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.694	0.200	--	3.43	0.989	--		1
Chloromethane	0.696	0.200	--	1.44	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	162	5.00	--	305	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.4	1.00	--	24.7	2.38	--		1
Trichlorofluoromethane	0.752	0.200	--	4.23	1.12	--		1
Isopropanol	5.34	0.500	--	13.1	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.58	0.500	--	4.79	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.23	0.200	--	3.83	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-21
Client ID: SV01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:26
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.821	0.200	--	4.01	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.246	0.200	--	0.927	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-21
Client ID: SV01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:26
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.215	0.200	--	1.06	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-22
Client ID: SV02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:29
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 07:41
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.557	0.200	--	2.75	0.989	--		1
Chloromethane	0.684	0.200	--	1.41	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	219	5.00	--	413	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	20.9	1.00	--	49.6	2.38	--		1
Trichlorofluoromethane	0.573	0.200	--	3.22	1.12	--		1
Isopropanol	13.8	0.500	--	33.9	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.14	0.200	--	3.55	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-22
Client ID: SV02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:29
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.270	0.200	--	1.02	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-22
Client ID: SV02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 17:29
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-23
Client ID: SV03_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:29
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 03:21
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.543	0.200	--	2.69	0.989	--		1
Chloromethane	0.630	0.200	--	1.30	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	368	5.00	--	693	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	57.2	1.00	--	136	2.38	--		1
Trichlorofluoromethane	0.822	0.200	--	4.62	1.12	--		1
Isopropanol	134	0.500	--	329	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-23
Client ID: SV03_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:29
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	2.38	0.500	--	8.58	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.987	0.500	--	2.91	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.292	0.200	--	1.20	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.507	0.200	--	1.91	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-23
Client ID: SV03_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:29
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	108		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-24
Client ID: SV04_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:20
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 04:37
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.541	0.200	--	2.68	0.989	--		1
Chloromethane	0.394	0.200	--	0.814	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	23.4	5.00	--	44.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	86.8	1.00	--	206	2.38	--		1
Trichlorofluoromethane	0.572	0.200	--	3.21	1.12	--		1
Isopropanol	16.7	0.500	--	41.0	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.708	0.200	--	2.20	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-24
Client ID: SV04_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:20
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.924	0.200	--	6.27	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-24
Client ID: SV04_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:20
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	104		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-25
Client ID: SV05_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:03
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 03:28
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.518	0.200	--	2.56	0.989	--		1
Chloromethane	0.564	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	139	5.00	--	262	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	19.4	1.00	--	46.1	2.38	--		1
Trichlorofluoromethane	0.642	0.200	--	3.61	1.12	--		1
Isopropanol	34.0	0.500	--	83.6	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.50	0.200	--	4.67	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.49	0.500	--	10.3	1.47	--		1
cis-1,2-Dichloroethene	0.287	0.200	--	1.14	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-25
Client ID: SV05_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:03
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.344	0.200	--	1.85	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	0.437	0.200	--	1.79	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	13.9	0.200	--	94.3	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-25
Client ID: SV05_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:03
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.248	0.200	--	1.22	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-26
Client ID: SV06_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:43
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 02:49
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.585	0.200	--	2.89	0.989	--		1
Chloromethane	0.611	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	381	5.00	--	718	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.0	1.00	--	40.4	2.38	--		1
Trichlorofluoromethane	0.685	0.200	--	3.85	1.12	--		1
Isopropanol	33.0	0.500	--	81.1	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.22	0.500	--	4.24	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.50	0.200	--	4.67	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.925	0.500	--	2.73	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-26
Client ID: SV06_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:43
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.517	0.500	--	1.86	1.80	--		1
Chloroform	1.86	0.200	--	9.08	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.543	0.200	--	2.05	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.508	0.200	--	3.44	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-26
Client ID: SV06_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:43
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	0.983	0.200	--	4.83	0.983	--		1
1,3,5-Trimethylbenzene	1.58	0.200	--	7.77	0.983	--		1
1,2,4-Trimethylbenzene	2.88	0.200	--	14.2	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-27
Client ID: SV07_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 13:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 02:10
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.509	0.200	--	2.52	0.989	--		1
Chloromethane	0.609	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.246	0.200	--	0.544	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	17.4	5.00	--	32.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	33.2	1.00	--	78.9	2.38	--		1
Trichlorofluoromethane	0.497	0.200	--	2.79	1.12	--		1
Isopropanol	6.41	0.500	--	15.8	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	6.14	0.500	--	18.6	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.11	0.200	--	3.46	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.44	0.500	--	7.20	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-27
Client ID: SV07_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 13:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.357	0.200	--	1.26	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.842	0.200	--	2.69	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.727	0.200	--	2.98	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.70	0.500	--	11.1	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	18.4	0.200	--	69.3	0.754	--		1
2-Hexanone	0.237	0.200	--	0.971	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.664	0.200	--	2.88	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-27
Client ID: SV07_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 13:37
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.20	0.400	--	9.56	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.353	0.200	--	1.50	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.904	0.200	--	3.93	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.243	0.200	--	1.19	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	102		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-28
Client ID: SV08_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 14:32
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 01:31
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.811	0.200	--	4.01	0.989	--		1
Chloromethane	0.240	0.200	--	0.496	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	28.7	5.00	--	54.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	62.6	1.00	--	149	2.38	--		1
Trichlorofluoromethane	0.374	0.200	--	2.10	1.12	--		1
Isopropanol	2.22	0.500	--	5.46	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.57	0.200	--	11.1	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.48	0.500	--	4.36	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-28
Client ID: SV08_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 14:32
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.316	0.200	--	1.54	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.819	0.200	--	2.89	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.227	0.200	--	0.725	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.227	0.200	--	0.930	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.27	0.200	--	4.79	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.318	0.200	--	2.16	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-28
Client ID: SV08_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 14:32
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.221	0.200	--	1.09	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-29
Client ID: SV09_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 13:44
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 00:51
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.707	0.200	--	3.50	0.989	--		1
Chloromethane	0.401	0.200	--	0.828	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.273	0.200	--	0.604	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.8	5.00	--	20.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.2	1.00	--	29.0	2.38	--		1
Trichlorofluoromethane	0.336	0.200	--	1.89	1.12	--		1
Isopropanol	1.00	0.500	--	2.46	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.77	0.500	--	5.37	1.52	--		1
Methylene chloride	8.18	0.500	--	28.4	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	4.68	0.200	--	14.6	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.572	0.500	--	1.69	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-29
Client ID: SV09_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 13:44
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.545	0.500	--	1.96	1.80	--		1
Chloroform	0.672	0.200	--	3.28	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.489	0.200	--	1.72	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.239	0.200	--	0.764	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.308	0.200	--	1.16	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.301	0.200	--	2.04	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-29
Client ID: SV09_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 13:44
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.233	0.200	--	1.15	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-30
Client ID: SV10_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 14:56
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 00:13
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.545	0.200	--	2.69	0.989	--		1
Chloromethane	0.852	0.200	--	1.76	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	213	5.00	--	401	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	71.0	1.00	--	169	2.38	--		1
Trichlorofluoromethane	0.209	0.200	--	1.17	1.12	--		1
Isopropanol	7.87	0.500	--	19.3	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.38	0.500	--	4.18	1.52	--		1
Methylene chloride	0.581	0.500	--	2.02	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.33	0.200	--	10.4	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.83	0.500	--	8.35	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-30
Client ID: SV10_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 14:56
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.95	0.200	--	9.52	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.341	0.200	--	1.20	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.315	0.200	--	1.01	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	0.933	0.200	--	3.36	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.95	0.500	--	7.99	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.347	0.200	--	1.31	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.376	0.200	--	2.55	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-30
Client ID: SV10_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 14:56
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-31
Client ID: SV11_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 14:03
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 23:34
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.08	0.200	--	5.34	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.23	1.00	--	10.0	2.38	--		1
Trichlorofluoromethane	0.226	0.200	--	1.27	1.12	--		1
Isopropanol	0.677	0.500	--	1.66	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	3.23	0.500	--	9.79	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.51	0.200	--	7.82	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-31
Client ID: SV11_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 14:03
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.597	0.200	--	2.92	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.328	0.200	--	1.05	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.295	0.200	--	1.21	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	4.41	0.500	--	18.1	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.579	0.200	--	2.18	0.754	--		1
2-Hexanone	0.523	0.200	--	2.14	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-31
Client ID: SV11_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 14:03
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.07	0.200	--	4.65	0.869	--		1
4-Ethyltoluene	8.17	0.200	--	40.2	0.983	--		1
1,3,5-Trimethylbenzene	11.3	0.200	--	55.6	0.983	--		1
1,2,4-Trimethylbenzene	14.1	0.200	--	69.3	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-32
Client ID: SVDUP01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:05
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 22:55
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.647	0.200	--	3.20	0.989	--		1
Chloromethane	0.593	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	310	5.00	--	584	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.6	1.00	--	25.2	2.38	--		1
Trichlorofluoromethane	0.538	0.200	--	3.02	1.12	--		1
Isopropanol	17.4	0.500	--	42.8	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.01	0.500	--	3.06	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.994	0.200	--	3.10	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-32
Client ID: SVDUP01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:05
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.602	0.200	--	2.94	0.977	--		1
Tetrahydrofuran	3.56	0.500	--	10.5	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-32
Client ID: SVDUP01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:05
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-33
Client ID: IA21_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:10
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 20:18
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.518	0.200	--	2.56	0.989	--		1
Chloromethane	0.674	0.200	--	1.39	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	565	5.00	--	1060	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.69	1.00	--	6.39	2.38	--		1
Trichlorofluoromethane	0.288	0.200	--	1.62	1.12	--		1
Isopropanol	0.769	0.500	--	1.89	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-33
Client ID: IA21_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:10
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.206	0.200	--	0.658	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-33
Client ID: IA21_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:10
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-33
Client ID: IA21_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:10
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 20:18
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-33 D
Client ID: IA21_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:10
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 07:15
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	661	10.0	--	1250	18.8	--		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	86		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-34
Client ID: IA22_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:10
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 19:39
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.503	0.200	--	2.49	0.989	--		1
Chloromethane	0.668	0.200	--	1.38	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	569	5.00	--	1070	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.53	1.00	--	10.8	2.38	--		1
Trichlorofluoromethane	0.278	0.200	--	1.56	1.12	--		1
Isopropanol	1.04	0.500	--	2.56	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-34
Client ID: IA22_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:10
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.289	0.200	--	1.42	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-34
Client ID: IA22_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:10
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	1.30	0.200	--	6.39	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-34
Client ID: IA22_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:10
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 19:39
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-34 D
Client ID: IA22_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:10
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 05:18
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	614	25.0	--	1160	47.1	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	86		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-35
Client ID: IADUP01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:56
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 19:00
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.526	0.200	--	2.60	0.989	--		1
Chloromethane	0.703	0.200	--	1.45	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	1090	5.00	--	2050	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.47	1.00	--	13.0	2.38	--		1
Trichlorofluoromethane	0.913	0.200	--	5.13	1.12	--		1
Isopropanol	31.0	0.500	--	76.2	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	1.54	0.500	--	5.55	1.80	--		1
Chloroform	0.824	0.200	--	4.02	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-35
Client ID: IADUP01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:56
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-35
Client ID: IADUP01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:56
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-35
Client ID: IADUP01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:56
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 19:00
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.119	0.020	--	0.749	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.168	0.020	--	1.14	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-35 D
Client ID: IADUP01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:56
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/22 04:43
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	1210	50.0	--	2280	94.2	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	88		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	88		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-36
Client ID: IADUP02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:58
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 18:21
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.521	0.200	--	2.58	0.989	--		1
Chloromethane	0.590	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	59.5	5.00	--	112	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.40	1.00	--	8.08	2.38	--		1
Trichlorofluoromethane	0.414	0.200	--	2.33	1.12	--		1
Isopropanol	3.08	0.500	--	7.57	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.621	0.200	--	3.03	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-36
Client ID: IADUP02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:58
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-36
Client ID: IADUP02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:58
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	88		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-36
Client ID: IADUP02_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:58
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 18:21
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	89		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-37
Client ID: SVE01_OUT_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:47
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 22:16
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.581	0.200	--	2.87	0.989	--		1
Chloromethane	0.507	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	3.23	0.200	--	8.26	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	96.7	5.00	--	182	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.02	1.00	--	16.7	2.38	--		1
Trichlorofluoromethane	0.582	0.200	--	3.27	1.12	--		1
Isopropanol	5.93	0.500	--	14.6	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.609	0.500	--	2.12	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.80	0.200	--	5.61	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	8.57	0.200	--	34.0	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-37
Client ID: SVE01_OUT_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:47
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	2.46	0.200	--	12.0	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	2.43	0.200	--	13.1	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	13.9	0.200	--	94.3	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-37
Client ID: SVE01_OUT_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 18:47
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	94		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-38
Client ID: AA01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 21:04
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 17:42
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.514	0.200	--	2.54	0.989	--		1
Chloromethane	0.638	0.200	--	1.32	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.35	1.00	--	3.21	2.38	--		1
Trichlorofluoromethane	0.231	0.200	--	1.30	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.76	0.500	--	5.19	1.47	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-38
Client ID: AA01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 21:04
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.313	0.200	--	1.08	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-38
Client ID: AA01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 21:04
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-38
Client ID: AA01_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 21:04
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 17:42
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-39
Client ID: SVEDUP01_OUT_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:50
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/26/22 21:37
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.555	0.200	--	2.74	0.989	--		1
Chloromethane	0.477	0.200	--	0.985	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	2.86	0.200	--	7.31	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	87.4	5.00	--	165	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.28	1.00	--	17.3	2.38	--		1
Trichlorofluoromethane	0.586	0.200	--	3.29	1.12	--		1
Isopropanol	5.05	0.500	--	12.4	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.843	0.500	--	2.56	1.52	--		1
Methylene chloride	5.00	0.500	--	17.4	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.995	0.200	--	3.10	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.10	0.500	--	3.24	1.47	--		1
cis-1,2-Dichloroethene	8.18	0.200	--	32.4	0.793	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-39
Client ID: SVEDUP01_OUT_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:50
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.53	0.200	--	7.47	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.281	0.200	--	0.990	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	2.45	0.200	--	13.2	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	18.2	0.200	--	123	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

SAMPLE RESULTS

Lab ID: L2220121-39
Client ID: SVEDUP01_OUT_041822
Sample Location: 990 ROSSVILLE AVE

Date Collected: 04/18/22 20:50
Date Received: 04/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	95		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/25/22 15:33

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-06 Batch: WG1630837-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/25/22 14:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1630843-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/25/22 14:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1630843-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/25/22 14:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1630843-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/22 15:50

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 07-22 Batch: WG1631267-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/22 15:50

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 07-22 Batch: WG1631267-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/22 15:50

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 07-22 Batch: WG1631267-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 16:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 07-20 Batch: WG1631269-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/26/22 16:18

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 33-36,38 Batch: WG1631276-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/22 15:39

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 25-39 Batch: WG1631278-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/22 15:39

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 25-39 Batch: WG1631278-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/22 15:39

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 25-39 Batch: WG1631278-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/22 20:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 23-24 Batch: WG1631330-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
Lab Number: L2220121
Report Date: 04/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/22 20:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 23-24 Batch: WG1631330-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501
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Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/22 20:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 23-24 Batch: WG1631330-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1630837-3								
Vinyl chloride	78		-		70-130	-		25
1,1-Dichloroethene	89		-		70-130	-		25
cis-1,2-Dichloroethene	72		-		70-130	-		25
1,1,1-Trichloroethane	92		-		70-130	-		25
Carbon tetrachloride	93		-		70-130	-		25
Trichloroethene	84		-		70-130	-		25
Tetrachloroethene	81		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1630843-3								
Dichlorodifluoromethane	81		-		70-130	-		
Chloromethane	81		-		70-130	-		
Freon-114	81		-		70-130	-		
Vinyl chloride	78		-		70-130	-		
1,3-Butadiene	89		-		70-130	-		
Bromomethane	75		-		70-130	-		
Chloroethane	81		-		70-130	-		
Ethanol	130		-		40-160	-		
Vinyl bromide	91		-		70-130	-		
Acetone	109		-		40-160	-		
Trichlorofluoromethane	88		-		70-130	-		
Isopropanol	102		-		40-160	-		
1,1-Dichloroethene	87		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	92		-		70-130	-		
3-Chloropropene	112		-		70-130	-		
Carbon disulfide	122		-		70-130	-		
Freon-113	95		-		70-130	-		
trans-1,2-Dichloroethene	83		-		70-130	-		
1,1-Dichloroethane	84		-		70-130	-		
Methyl tert butyl ether	87		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	78		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1630843-3								
Ethyl Acetate	94		-		70-130	-		
Chloroform	87		-		70-130	-		
Tetrahydrofuran	88		-		70-130	-		
1,2-Dichloroethane	83		-		70-130	-		
n-Hexane	104		-		70-130	-		
1,1,1-Trichloroethane	97		-		70-130	-		
Benzene	91		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	102		-		70-130	-		
1,2-Dichloropropane	94		-		70-130	-		
Bromodichloromethane	113		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	89		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	110		-		70-130	-		
cis-1,3-Dichloropropene	97		-		70-130	-		
4-Methyl-2-pentanone	110		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	94		-		70-130	-		
Toluene	82		-		70-130	-		
2-Hexanone	102		-		70-130	-		
Dibromochloromethane	112		-		70-130	-		
1,2-Dibromoethane	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 990 ROSSVILLE AVE

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Lab Number: L2220121

Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1630843-3								
Tetrachloroethene	88		-		70-130	-		
Chlorobenzene	90		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	88		-		70-130	-		
Bromoform	111		-		70-130	-		
Styrene	86		-		70-130	-		
1,1,2,2-Tetrachloroethane	96		-		70-130	-		
o-Xylene	90		-		70-130	-		
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	90		-		70-130	-		
1,2,4-Trimethylbenzene	97		-		70-130	-		
Benzyl chloride	110		-		70-130	-		
1,3-Dichlorobenzene	90		-		70-130	-		
1,4-Dichlorobenzene	89		-		70-130	-		
1,2-Dichlorobenzene	87		-		70-130	-		
1,2,4-Trichlorobenzene	81		-		70-130	-		
Hexachlorobutadiene	81		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07-22 Batch: WG1631267-3								
Dichlorodifluoromethane	94		-		70-130	-		
Chloromethane	108		-		70-130	-		
Freon-114	103		-		70-130	-		
Vinyl chloride	101		-		70-130	-		
1,3-Butadiene	111		-		70-130	-		
Bromomethane	105		-		70-130	-		
Chloroethane	99		-		70-130	-		
Ethanol	114		-		40-160	-		
Vinyl bromide	102		-		70-130	-		
Acetone	110		-		40-160	-		
Trichlorofluoromethane	102		-		70-130	-		
Isopropanol	111		-		40-160	-		
1,1-Dichloroethene	101		-		70-130	-		
Tertiary butyl Alcohol	97		-		70-130	-		
Methylene chloride	126		-		70-130	-		
3-Chloropropene	114		-		70-130	-		
Carbon disulfide	109		-		70-130	-		
Freon-113	111		-		70-130	-		
trans-1,2-Dichloroethene	106		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	101		-		70-130	-		
2-Butanone	121		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 990 ROSSVILLE AVE

Project Number: 100849501

Lab Number: L2220121

Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07-22 Batch: WG1631267-3								
Ethyl Acetate	108		-		70-130	-		
Chloroform	107		-		70-130	-		
Tetrahydrofuran	114		-		70-130	-		
1,2-Dichloroethane	107		-		70-130	-		
n-Hexane	109		-		70-130	-		
1,1,1-Trichloroethane	122		-		70-130	-		
Benzene	108		-		70-130	-		
Carbon tetrachloride	113		-		70-130	-		
Cyclohexane	109		-		70-130	-		
1,2-Dichloropropane	123		-		70-130	-		
Bromodichloromethane	119		-		70-130	-		
1,4-Dioxane	112		-		70-130	-		
Trichloroethene	122		-		70-130	-		
2,2,4-Trimethylpentane	116		-		70-130	-		
Heptane	129		-		70-130	-		
cis-1,3-Dichloropropene	122		-		70-130	-		
4-Methyl-2-pentanone	125		-		70-130	-		
trans-1,3-Dichloropropene	101		-		70-130	-		
1,1,2-Trichloroethane	128		-		70-130	-		
Toluene	116		-		70-130	-		
2-Hexanone	121		-		70-130	-		
Dibromochloromethane	125		-		70-130	-		
1,2-Dibromoethane	124		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07-22 Batch: WG1631267-3								
Tetrachloroethene	116		-		70-130	-		
Chlorobenzene	116		-		70-130	-		
Ethylbenzene	120		-		70-130	-		
p/m-Xylene	118		-		70-130	-		
Bromoform	111		-		70-130	-		
Styrene	118		-		70-130	-		
1,1,2,2-Tetrachloroethane	127		-		70-130	-		
o-Xylene	117		-		70-130	-		
4-Ethyltoluene	114		-		70-130	-		
1,3,5-Trimethylbenzene	103		-		70-130	-		
1,2,4-Trimethylbenzene	124		-		70-130	-		
Benzyl chloride	101		-		70-130	-		
1,3-Dichlorobenzene	114		-		70-130	-		
1,4-Dichlorobenzene	112		-		70-130	-		
1,2-Dichlorobenzene	117		-		70-130	-		
1,2,4-Trichlorobenzene	110		-		70-130	-		
Hexachlorobutadiene	112		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 07-20 Batch: WG1631269-3								
Vinyl chloride	95		-		70-130	-		25
1,1-Dichloroethene	97		-		70-130	-		25
cis-1,2-Dichloroethene	105		-		70-130	-		25
1,1,1-Trichloroethane	117		-		70-130	-		25
Carbon tetrachloride	110		-		70-130	-		25
Trichloroethene	115		-		70-130	-		25
Tetrachloroethene	105		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
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Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 33-36,38 Batch: WG1631276-3								
Vinyl chloride	77		-		70-130	-		25
1,1-Dichloroethene	83		-		70-130	-		25
cis-1,2-Dichloroethene	72		-		70-130	-		25
1,1,1-Trichloroethane	93		-		70-130	-		25
Carbon tetrachloride	94		-		70-130	-		25
Trichloroethene	83		-		70-130	-		25
Tetrachloroethene	79		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 25-39 Batch: WG1631278-3								
Dichlorodifluoromethane	84		-		70-130	-		
Chloromethane	81		-		70-130	-		
Freon-114	81		-		70-130	-		
Vinyl chloride	78		-		70-130	-		
1,3-Butadiene	90		-		70-130	-		
Bromomethane	75		-		70-130	-		
Chloroethane	80		-		70-130	-		
Ethanol	130		-		40-160	-		
Vinyl bromide	91		-		70-130	-		
Acetone	110		-		40-160	-		
Trichlorofluoromethane	89		-		70-130	-		
Isopropanol	103		-		40-160	-		
1,1-Dichloroethene	100		-		70-130	-		
Tertiary butyl Alcohol	105		-		70-130	-		
Methylene chloride	117		-		70-130	-		
3-Chloropropene	110		-		70-130	-		
Carbon disulfide	123		-		70-130	-		
Freon-113	96		-		70-130	-		
trans-1,2-Dichloroethene	85		-		70-130	-		
1,1-Dichloroethane	85		-		70-130	-		
Methyl tert butyl ether	87		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	80		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 25-39 Batch: WG1631278-3								
Ethyl Acetate	94		-		70-130	-		
Chloroform	88		-		70-130	-		
Tetrahydrofuran	88		-		70-130	-		
1,2-Dichloroethane	84		-		70-130	-		
n-Hexane	105		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	102		-		70-130	-		
Cyclohexane	102		-		70-130	-		
1,2-Dichloropropane	93		-		70-130	-		
Bromodichloromethane	112		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	89		-		70-130	-		
2,2,4-Trimethylpentane	107		-		70-130	-		
Heptane	108		-		70-130	-		
cis-1,3-Dichloropropene	98		-		70-130	-		
4-Methyl-2-pentanone	110		-		70-130	-		
trans-1,3-Dichloropropene	85		-		70-130	-		
1,1,2-Trichloroethane	94		-		70-130	-		
Toluene	81		-		70-130	-		
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	110		-		70-130	-		
1,2-Dibromoethane	90		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 25-39 Batch: WG1631278-3								
Tetrachloroethene	84		-		70-130	-		
Chlorobenzene	89		-		70-130	-		
Ethylbenzene	85		-		70-130	-		
p/m-Xylene	88		-		70-130	-		
Bromoform	110		-		70-130	-		
Styrene	85		-		70-130	-		
1,1,2,2-Tetrachloroethane	95		-		70-130	-		
o-Xylene	90		-		70-130	-		
4-Ethyltoluene	96		-		70-130	-		
1,3,5-Trimethylbenzene	89		-		70-130	-		
1,2,4-Trimethylbenzene	97		-		70-130	-		
Benzyl chloride	110		-		70-130	-		
1,3-Dichlorobenzene	91		-		70-130	-		
1,4-Dichlorobenzene	88		-		70-130	-		
1,2-Dichlorobenzene	86		-		70-130	-		
1,2,4-Trichlorobenzene	80		-		70-130	-		
Hexachlorobutadiene	80		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 23-24 Batch: WG1631330-3								
Dichlorodifluoromethane	96		-		70-130	-		
Chloromethane	95		-		70-130	-		
Freon-114	97		-		70-130	-		
Vinyl chloride	103		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Bromomethane	100		-		70-130	-		
Chloroethane	104		-		70-130	-		
Ethanol	92		-		40-160	-		
Vinyl bromide	100		-		70-130	-		
Acetone	105		-		40-160	-		
Trichlorofluoromethane	103		-		70-130	-		
Isopropanol	102		-		40-160	-		
1,1-Dichloroethene	105		-		70-130	-		
Tertiary butyl Alcohol	99		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	107		-		70-130	-		
Carbon disulfide	96		-		70-130	-		
Freon-113	108		-		70-130	-		
trans-1,2-Dichloroethene	101		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	102		-		70-130	-		
2-Butanone	102		-		70-130	-		
cis-1,2-Dichloroethene	107		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 23-24 Batch: WG1631330-3								
Ethyl Acetate	107		-		70-130	-		
Chloroform	101		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
1,2-Dichloroethane	103		-		70-130	-		
n-Hexane	95		-		70-130	-		
1,1,1-Trichloroethane	100		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	96		-		70-130	-		
1,2-Dichloropropane	105		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	99		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	92		-		70-130	-		
1,1,2-Trichloroethane	107		-		70-130	-		
Toluene	99		-		70-130	-		
2-Hexanone	106		-		70-130	-		
Dibromochloromethane	113		-		70-130	-		
1,2-Dibromoethane	109		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 23-24 Batch: WG1631330-3								
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	108		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
Bromoform	110		-		70-130	-		
Styrene	110		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	111		-		70-130	-		
4-Ethyltoluene	106		-		70-130	-		
1,3,5-Trimethylbenzene	118		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Benzyl chloride	111		-		70-130	-		
1,3-Dichlorobenzene	110		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
1,2,4-Trichlorobenzene	112		-		70-130	-		
Hexachlorobutadiene	90		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07-22 QC Batch ID: WG1631267-5 QC Sample: L2220121-11 Client ID: IA11_041822						
Dichlorodifluoromethane	0.552	0.526	ppbV	5		25
Chloromethane	0.836	0.796	ppbV	5		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	902E	888E	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	5.77	5.83	ppbV	1		25
Trichlorofluoromethane	0.982	0.997	ppbV	2		25
Isopropanol	56.7	57.8	ppbV	2		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	2.04	2.08	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07-22 QC Batch ID: WG1631267-5 QC Sample: L2220121-11 Client ID: IA11_041822						
Chloroform	0.546	0.548	ppbV	0		25
Tetrahydrofuran	0.635	0.645	ppbV	2		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	ND	ND	ppbV	NC		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07-22 QC Batch ID: WG1631267-5 QC Sample: L2220121-11 Client ID: IA11_041822						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07-22 QC Batch ID: WG1631267-5 QC Sample: L2220121-11 Client ID: IA11_041822						
Ethanol	1180	1120	ppbV	5		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 07-20 QC Batch ID: WG1631269-5 QC Sample: L2220121-11 Client ID: IA11_041822						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.111	0.115	ppbV	4		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.164	0.170	ppbV	4		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 33-36,38 QC Batch ID: WG1631276-5 QC Sample: L2220121-33 Client ID: IA21_041822						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.085	0.085	ppbV	0		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 25-39 QC Batch ID: WG1631278-5 QC Sample: L2220121-33 Client ID: IA21_041822						
Dichlorodifluoromethane	0.518	0.527	ppbV	2		25
Chloromethane	0.674	0.674	ppbV	0		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	565E	605E	ppbV	7		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	2.69	2.59	ppbV	4		25
Trichlorofluoromethane	0.288	0.287	ppbV	0		25
Isopropanol	0.769	0.769	ppbV	0		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 25-39 QC Batch ID: WG1631278-5 QC Sample: L2220121-33 Client ID: IA21_041822						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	0.206	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	ND	ND	ppbV	NC		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 25-39 QC Batch ID: WG1631278-5 QC Sample: L2220121-33 Client ID: IA21_041822						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air - Mansfield Lab Associated sample(s): 25-39 QC Batch ID: WG1631278-5 QC Sample: L2220121-33 Client ID: IA21_041822						
Ethanol	661	611	ppbV	8		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 23-24 QC Batch ID: WG1631330-5 QC Sample: L2220121-23 Client ID: SV03_041822						
Dichlorodifluoromethane	0.543	0.528	ppbV	3		25
Chloromethane	0.630	0.621	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	368	366	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	57.2	55.9	ppbV	2		25
Trichlorofluoromethane	0.822	0.803	ppbV	2		25
Isopropanol	134	132	ppbV	2		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 23-24 QC Batch ID: WG1631330-5 QC Sample: L2220121-23 Client ID: SV03_041822						
2-Butanone	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	2.38	2.28	ppbV	4		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	0.987	0.987	ppbV	0		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	0.292	0.289	ppbV	1		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 23-24 QC Batch ID: WG1631330-5 QC Sample: L2220121-23 Client ID: SV03_041822						
Toluene	0.507	0.494	ppbV	3		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: 990 ROSSVILLE AVE

Lab Number: L2220121

Project Number: 100849501

Report Date: 04/27/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2220121-01	IA01_041822	0167	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	9.8	2
L2220121-01	IA01_041822	2316	6.0L Can	04/15/22	385092	L2218809-06	Pass	-29.0	-5.3	-	-	-	-
L2220121-02	IA02_041822	01464	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	9.7	3
L2220121-02	IA02_041822	1990	6.0L Can	04/15/22	385092	L2218809-06	Pass	-29.0	-5.7	-	-	-	-
L2220121-03	IA03_041822	01622	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	8.0	22
L2220121-03	IA03_041822	3647	6.0L Can	04/15/22	385092	L2219084-06	Pass	-29.0	-4.8	-	-	-	-
L2220121-04	IA04_041822	01702	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	9.4	6
L2220121-04	IA04_041822	3471	6.0L Can	04/15/22	385092	L2219084-03	Pass	-29.2	-4.5	-	-	-	-
L2220121-05	IA05_041822	01608	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	9.6	4
L2220121-05	IA05_041822	1972	6.0L Can	04/15/22	385092	L2218809-06	Pass	-29.0	-4.9	-	-	-	-
L2220121-06	IA06_041822	0761	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	8.5	16
L2220121-06	IA06_041822	3652	6.0L Can	04/15/22	385092	L2219084-04	Pass	-29.0	-5.2	-	-	-	-
L2220121-07	IA07_041822	01582	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	8.6	15
L2220121-07	IA07_041822	1906	6.0L Can	04/15/22	385092	L2219084-04	Pass	-28.5	-5.0	-	-	-	-
L2220121-08	IA08_041822	01655	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	9.7	3

Project Name: 990 ROSSVILLE AVE

Lab Number: L2220121

Project Number: 100849501

Report Date: 04/27/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2220121-08	IA08_041822	1974	6.0L Can	04/15/22	385092	L2219084-04	Pass	-28.9	-5.0	-	-	-	-
L2220121-09	IA09_041822	0229	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	6.3	45
L2220121-09	IA09_041822	3311	6.0L Can	04/15/22	385092	L2219084-06	Pass	-29.0	-3.3	-	-	-	-
L2220121-10	IA10_041822	01610	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	9.9	1
L2220121-10	IA10_041822	974	6.0L Can	04/15/22	385092	L2218809-03	Pass	-29.0	-5.0	-	-	-	-
L2220121-11	IA11_041822	0175	Flow 5	04/15/22	385092		-	-	-	Pass	10.0	10.1	1
L2220121-11	IA11_041822	782	6.0L Can	04/15/22	385092	L2218809-03	Pass	-28.9	-4.8	-	-	-	-
L2220121-12	IA12_041822	01583	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	9.4	6
L2220121-12	IA12_041822	2773	6.0L Can	04/15/22	385092	L2218809-03	Pass	-29.0	-7.2	-	-	-	-
L2220121-13	IA13_041822	01504	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	8.3	19
L2220121-13	IA13_041822	2570	6.0L Can	04/15/22	385092	L2219084-06	Pass	-28.6	-4.9	-	-	-	-
L2220121-14	IA14_041822	01579	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	8.8	13
L2220121-14	IA14_041822	2625	6.0L Can	04/15/22	385092	L2219084-06	Pass	-29.0	-4.9	-	-	-	-
L2220121-15	IA15_041822	0958	Flow 5	04/15/22	385092		-	-	-	Pass	10.0	9.8	2
L2220121-15	IA15_041822	3015	6.0L Can	04/15/22	385092	L2219084-03	Pass	-28.9	-3.8	-	-	-	-

Project Name: 990 ROSSVILLE AVE

Lab Number: L2220121

Project Number: 100849501

Report Date: 04/27/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2220121-16	IA16_041822	01720	Flow 5	04/15/22	385092		-	-	-	Pass	10.0	9.8	2
L2220121-16	IA16_041822	1836	6.0L Can	04/15/22	385092	L2219084-03	Pass	-28.7	-4.9	-	-	-	-
L2220121-17	IA17_041822	01710	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	10.4	4
L2220121-17	IA17_041822	3057	6.0L Can	04/15/22	385092	L2218809-03	Pass	-29.0	-5.1	-	-	-	-
L2220121-18	IA18_041822	0048	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	10.1	1
L2220121-18	IA18_041822	1971	6.0L Can	04/15/22	385092	L2218809-03	Pass	-28.3	-4.5	-	-	-	-
L2220121-19	IA19_041822	01659	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	7.5	29
L2220121-19	IA19_041822	574	6.0L Can	04/15/22	385092	L2219084-03	Pass	-29.0	-6.5	-	-	-	-
L2220121-20	IA20_041822	0067	Flow 5	04/15/22	385092		-	-	-	Pass	10.0	9.7	3
L2220121-20	IA20_041822	3564	6.0L Can	04/15/22	385092	L2219084-06	Pass	28.8	-8.2	-	-	-	-
L2220121-21	SV01_041822	01506	Flow 2	04/15/22	385092		-	-	-	Pass	40.0	37	8
L2220121-21	SV01_041822	3120	6.0L Can	04/15/22	385092	L2218809-02	Pass	-29.0	-2.7	-	-	-	-
L2220121-22	SV02_041822	641	6.0L Can	04/15/22	385092	L2219084-03	Pass	-29.1	-3.5	-	-	-	-
L2220121-23	SV03_041822	0581	Flow 1	04/15/22	385092		-	-	-	Pass	40.0	40	0
L2220121-23	SV03_041822	1606	6.0L Can	04/15/22	385092	L2218809-06	Pass	-28.8	+1.5	-	-	-	-

Project Name: 990 ROSSVILLE AVE

Lab Number: L2220121

Project Number: 100849501

Report Date: 04/27/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2220121-24	SV04_041822	01927	Flow 2	04/15/22	385092		-	-	-	Pass	40.0	45	12
L2220121-24	SV04_041822	1871	6.0L Can	04/15/22	385092	L2219084-04	Pass	-29.0	0.0	-	-	-	-
L2220121-25	SV05_041822	02106	Flow 2	04/15/22	385092		-	-	-	Pass	40.0	39	3
L2220121-25	SV05_041822	1827	6.0L Can	04/15/22	385092	L2218809-02	Pass	-29.0	-1.1	-	-	-	-
L2220121-26	SV06_041822	01634	Flow 4	04/15/22	385092		-	-	-	Pass	40.0	43.0	7
L2220121-26	SV06_041822	2522	6.0L Can	04/15/22	385092	L2219084-03	Pass	-29.0	0.0	-	-	-	-
L2220121-27	SV07_041822	01128	Flow 2	04/15/22	385092		-	-	-	Pass	40.0	39	3
L2220121-27	SV07_041822	1610	6.0L Can	04/15/22	385092	L2219084-06	Pass	-29.0	-6.5	-	-	-	-
L2220121-28	SV08_041822	01523	Flow 2	04/15/22	385092		-	-	-	Pass	40.0	39	3
L2220121-28	SV08_041822	1576	6.0L Can	04/15/22	385092	L2218809-03	Pass	-29.0	-3.7	-	-	-	-
L2220121-29	SV09_041822	0939	Flow 2	04/15/22	385092		-	-	-	Pass	40.0	47	16
L2220121-29	SV09_041822	707	6.0L Can	04/15/22	385092	L2218809-03	Pass	-29.0	-5.6	-	-	-	-
L2220121-30	SV10_041822	01803	Flow 1	04/15/22	385092		-	-	-	Pass	40.0	42	5
L2220121-30	SV10_041822	3653	6.0L Can	04/15/22	385092	L2219084-03	Pass	-28.9	-4.9	-	-	-	-
L2220121-31	SV11_041822	02107	Flow 2	04/15/22	385092		-	-	-	Pass	40.0	38	5

Project Name: 990 ROSSVILLE AVE

Lab Number: L2220121

Project Number: 100849501

Report Date: 04/27/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2220121-31	SV11_041822	2654	6.0L Can	04/15/22	385092	L2219084-06	Pass	-29.0	-5.2	-	-	-	-
L2220121-32	SVDUP01_041822	02142	FLOW 2	04/15/22	385092		-	-	-	Pass	40.0	34	16
L2220121-32	SVDUP01_041822	2680	6.0L Can	04/15/22	385092	L2218809-03	Pass	-29.0	-2.8	-	-	-	-
L2220121-33	IA21_041822	0420	Flow 5	04/15/22	385092		-	-	-	Pass	10.0	10.3	3
L2220121-33	IA21_041822	1876	6.0L Can	04/15/22	385092	L2219084-04	Pass	-29.0	-6.4	-	-	-	-
L2220121-34	IA22_041822	01047	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	10.0	0
L2220121-34	IA22_041822	765	6.0L Can	04/15/22	385092	L2219084-06	Pass	-29.0	-5.7	-	-	-	-
L2220121-35	IADUP01_041822	01425	Flow 5	04/15/22	385092		-	-	-	Pass	10.0	8.1	21
L2220121-35	IADUP01_041822	3374	6.0L Can	04/15/22	385092	L2219084-03	Pass	-29.2	-6.2	-	-	-	-
L2220121-36	IADUP02_041822	0804	Flow 4	04/15/22	385092		-	-	-	Pass	10.0	10.1	1
L2220121-36	IADUP02_041822	2805	6.0L Can	04/15/22	385092	L2219084-06	Pass	-28.9	-3.8	-	-	-	-
L2220121-37	SVE01_OUT_041822	01499	Flow 2	04/15/22	385092		-	-	-	Pass	40.0	38	5
L2220121-37	SVE01_OUT_041822	1875	6.0L Can	04/15/22	385092	L2219084-04	Pass	-29.0	-2.8	-	-	-	-
L2220121-38	AA01_041822	0963	Flow 5	04/15/22	385092		-	-	-	Pass	10.0	10.3	3
L2220121-38	AA01_041822	2057	6.0L Can	04/15/22	385092	L2219084-04	Pass	-29.0	-5.5	-	-	-	-

Project Name: 990 ROSSVILLE AVE

Lab Number: L2220121

Project Number: 100849501

Report Date: 04/27/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2220121-39	SVEDUP01_OUT_041822	01763	Flow 1	04/15/22	385092		-	-	-	Pass	40.0	42	5
L2220121-39	SVEDUP01_OUT_041822	3298	6.0L Can	04/15/22	385092	L2219084-03	Pass	-28.9	-3.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-02
Client ID: CAN 3272 SHELF 37
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/12/22 23:48
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-02
Client ID: CAN 3272 SHELF 37
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-02
Client ID: CAN 3272 SHELF 37
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-02
Client ID: CAN 3272 SHELF 37
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-02
Client ID: CAN 3272 SHELF 37
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-02
Client ID: CAN 3272 SHELF 37
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/22 23:48
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-02
Client ID: CAN 3272 SHELF 37
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-02
Client ID: CAN 3272 SHELF 37
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-03
Client ID: CAN 1815 SHELF 38
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/13/22 00:27
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-03
Client ID: CAN 1815 SHELF 38
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-03
Client ID: CAN 1815 SHELF 38
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-03
Client ID: CAN 1815 SHELF 38
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-03
Client ID: CAN 1815 SHELF 38
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-03
Client ID: CAN 1815 SHELF 38
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/13/22 00:27
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-03
Client ID: CAN 1815 SHELF 38
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-03
Client ID: CAN 1815 SHELF 38
Sample Location:

Date Collected: 04/11/22 18:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-06
Client ID: CAN 692 SHELF 30
Sample Location:

Date Collected: 04/12/22 08:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/13/22 02:24
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-06
Client ID: CAN 692 SHELF 30
Sample Location:

Date Collected: 04/12/22 08:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-06
Client ID: CAN 692 SHELF 30
Sample Location:

Date Collected: 04/12/22 08:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-06
Client ID: CAN 692 SHELF 30
Sample Location:

Date Collected: 04/12/22 08:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-06
Client ID: CAN 692 SHELF 30
Sample Location:

Date Collected: 04/12/22 08:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-06
Client ID: CAN 692 SHELF 30
Sample Location:

Date Collected: 04/12/22 08:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/13/22 02:24
Analyst: TS

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-06
Client ID: CAN 692 SHELF 30
Sample Location:

Date Collected: 04/12/22 08:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2218809
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2218809-06
Client ID: CAN 692 SHELF 30
Sample Location:

Date Collected: 04/12/22 08:00
Date Received: 04/12/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-03
Client ID: CAN 2442 SHELF 40
Sample Location:

Date Collected: 04/12/22 18:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/13/22 19:52
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-03
Client ID: CAN 2442 SHELF 40
Sample Location:

Date Collected: 04/12/22 18:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-03
Client ID: CAN 2442 SHELF 40
Sample Location:

Date Collected: 04/12/22 18:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-03
Client ID: CAN 2442 SHELF 40
Sample Location:

Date Collected: 04/12/22 18:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-03
Client ID: CAN 2442 SHELF 40
Sample Location:

Date Collected: 04/12/22 18:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-03
Client ID: CAN 2442 SHELF 40
Sample Location:

Date Collected: 04/12/22 18:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/13/22 19:52
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-03
Client ID: CAN 2442 SHELF 40
Sample Location:

Date Collected: 04/12/22 18:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2219084

Project Number: CANISTER QC BAT **Report Date:** 04/27/22

Air Canister Certification Results

Lab ID: L2219084-03
Client ID: CAN 2442 SHELF 40
Sample Location:

Date Collected: 04/12/22 18:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-04
Client ID: CAN 3616 SHELF 33
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/13/22 20:31
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-04
Client ID: CAN 3616 SHELF 33
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-04
Client ID: CAN 3616 SHELF 33
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-04
Client ID: CAN 3616 SHELF 33
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-04
Client ID: CAN 3616 SHELF 33
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-04
Client ID: CAN 3616 SHELF 33
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/13/22 20:31
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-04
Client ID: CAN 3616 SHELF 33
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2219084

Project Number: CANISTER QC BAT **Report Date:** 04/27/22

Air Canister Certification Results

Lab ID: L2219084-04
Client ID: CAN 3616 SHELF 33
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-06
Client ID: CAN 3567 SHELF 39
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/13/22 21:49
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-06
Client ID: CAN 3567 SHELF 39
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-06
Client ID: CAN 3567 SHELF 39
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-06
Client ID: CAN 3567 SHELF 39
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-06
Client ID: CAN 3567 SHELF 39
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-06
Client ID: CAN 3567 SHELF 39
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/13/22 21:49
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-06
Client ID: CAN 3567 SHELF 39
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2219084
Report Date: 04/27/22

Air Canister Certification Results

Lab ID: L2219084-06
Client ID: CAN 3567 SHELF 39
Sample Location:

Date Collected: 04/13/22 08:00
Date Received: 04/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	89		60-140

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2220121-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2220121-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-08A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-09A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-10A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-11A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2220121-12A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-13A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-14A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-15A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-16A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-17A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2220121-18A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2220121-19A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-20A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-21A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-22A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-23A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name: 990 ROSSVILLE AVE
Project Number: 100849501

Lab Number: L2220121
Report Date: 04/27/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2220121-24A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-25A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-26A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-27A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-28A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-29A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-30A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-31A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-32A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-33A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2220121-34A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2220121-35A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-36A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2220121-37A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2220121-38A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2220121-39A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	990 ROSSVILLE AVE	**Lab Number:**	L2220121
Project Number:	100849501	**Report Date:**	04/27/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	990 ROSSVILLE AVE	**Lab Number:**	L2220121
Project Number:	100849501	**Report Date:**	04/27/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Project Name:	990 ROSSVILLE AVE	**Lab Number:**	L2220121
Project Number:	100849501	**Report Date:**	04/27/22

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:04272217:01

AIR ANALYSIS

PAGE 1 OF 4

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/19/22

ALPHA Job #: L2222012)

Client Information

Client: LANGAN
Address: 300 Kimball Dr
Parsippany, NJ 07054
Phone: 973-560-4900
Fax: ——
Email: mambrusch@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 990 ROSSville Ave
Project Location: 990 Rossville Ave
Project #: 100849501
Project Manager: Ben RAO
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 100849501

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subset Non-petroleum HCs)	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
20121-01	1A01-041822	4/18/22	0923	1725	-30.59	-5.2	1A	AL	6L	2316	6167	X						1A=indoor air
02	1A02_041822	4/18/22	0921	1727	-30.82	-6.35	1A	AL	6L	1990	01464	X						
03	1A03_041822	4/18/22	0926	1732	-30.86	-5.47	1A	AL	6L	3647	01622	X						
04	1A04_041822	4/18/22	0928	1731	-30.67	-5.35	1A	AL	6L	3471	01702	X						
05	1A05_041822	4/18/22	0957	1830	-30.67	-5.75	1A	AL	6L	1972	01608	X						
06	1A06_041822	4/18/22	0938	1830	-30.68	-6.15	1A	AL	6L	3652	0761	X						
07	1A07_041822	4/18/22	0949	1734	-25.92	-2.07	1A	AL	6L	1906	01582	X						
08	1A08_041822	4/18/22	0942	1821	-30.15	-5.8	1A	AL	6L	1974	01655	X						
09	1A09_041822	4/18/22	1012	1737	-30.54	-3.09	1A	AL	6L	3311	0229	X						
10	1A10_041822	4/18/22	1009	1837	-30.85	-5.55	1A	AL	6L	974	01610	X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
LANGAN	4/18/22 2230	Langan Warehouse	4/19/22 2230
	4/19/22 928		4/19/22 920
	4/19-22 1945	Luis Monzon/AH	4-19-22 1713

4/19/22 2300

PAGE 2 OF 4

Date Rec'd in Lab: 4/19/22

ALPHA Job #: L2220121

FAX: 508-822-3288

Client Information

Client: LANGAN
Address: 300 Kimball Dr
Parsippany, NJ 07054
Phone: 973-560-4900
Fax: —
Email: mambrusch@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 990 Rossville Ave
Project Location: 990 Rossville Ave
Project #: 100849501
Project Manager: Ben Rao
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 100849501

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (subtract Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
11	1A11_041822	4/18/22	1001	1839	-31.52	-5.25	1A	AL	6L	782	01795	X					1A = Indoor air
12	1A12_041822	4/18/22	1000	1841	-30.31	-7.07	1A	AL	6L	2773	01583	X					
13	1A13_041822	4/18/22	1143	1847	-27.77	-4.03	1A	AL	6L	2570	01504	X					
14	1A14_041822	4/18/22	1140	2007	-30.76	-5.37	1A	AL	6L	2625	01579	X					
15	1A15_041822	4/18/22	1230	2041	-30.67	-4.18	1A	AL	6L	3015	0958	X					
16	1A16_041822	4/18/22	1230	2041	-30.30	-5.21	1A	AL	6L	1836	01720	X					
17	1A17_041822	4/18/22	1124	1950	-30.46	-5.58	1A	AL	6L	3057	01710	X					
18	1A18_041822	4/18/22	1133	1948	-28.90	-4.00	1A	AL	6L	1971	0048	X					
19	1A19_041822	4/18/22	1245	2015	-30.47	-7.09	1A	AL	6L	574	01659	X					
20	1A20_041822	4/18/22	1248	2015	-30.75	-8.91	1A	AL	6L	3564	0067	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
LANGAN	4/18/22 2230	Langan Warehouse	4/19/22 2230
	4/19/22 925		4/19/22 940
	4/19/22 1200		
	4-19-22 1945		4-19-22 1713

4/19/22 2300

AIR ANALYSIS

PAGE 3 OF 4

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/19/22

ALPHA Job #: L2220121

Client Information

Client: LANGAN
Address: 300 Kimball Dr. Parsippany, NJ 07054
Phone: 973-560-4900
Fax: —
Email: mambrusch@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 990 Rossville Ave
Project Location: 990 Rossville Ave
Project #: 100849501
Project Manager: Ben Rao
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 100849501

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
21	SV01_041822	4/18/22	1516	1726	-30.74	-3.93	SV	AL	6L	3120	01506	X					
22	SV02_041822	4/18/22	1530	1729	-30.05	-4.95	SV	AL	6L	641	01763	X					
23	SV03_041822	4/18/22	1601	1829	-29.75	-4.38	SV	AL	6L	1606	0581	X					
24	SV04_041822	4/18/22	1610	1820	-30.28	-0.92	SV	AL	6L	1871	01927	X					
25	SV05_041822	4/18/22	1548	1803	-28.98	-1.77	SV	AL	6L	1827	02106	X					
26	SV06_041822	4/18/22	1618	1843	-30.17	-1.68	SV	AL	6L	2522	01634	X					
27	SV07_041822	4/18/22	1143	1337	-30.29	-7.90	SV	AL	6L	1610	01128	X					
28	SV08_041822	4/18/22	1229	1432	-30.54	-5.09	SV	AL	6L	1576	01523	X					
29	SV09_041822	4/18/22	1128	1344	-30.55	-6.42	SV	AL	6L	707	0939	X					
30	SV10_041822	4/18/22	1251	1456	-29.49	-5.94	SV	AL	6L	3653	01803	X					

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Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
LANGAN	4/18/22 2230	Langan Warehouse	4/19/22 2230
Don Dsm	4/19/22	Don Dsm	4/19/22 940
Luis Morales/AAL	4-19-22 1945	Luis Morales/AAL	4-19-22 1713

4/19/22 2300

Serial_No:04272217:01

AIR ANALYSIS

ALPHA ANALYTICAL — CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/19/22

ALPHA Job #: L2220121

Client Information

Client: LANGAN
Address: 300 Kimball Dr. Parsippany, NJ 07054
Phone: 973-560-4900
Fax: —
Email: mambrusch@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

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Project Location: 990 ROSSville Ave
Project #: 100849501
Project Manager: Ben RaO
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 10084950 1

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
31	SV11_041822	4/18/22	1203	1903	-30.48	-6.33	SV	AL	6L	2654	02107	X					
32	SVDUP01_041822	4/18/22	1725	2005	-29.79	-3.69	SV	AL	6L	2680	02142	X					
33	IA21_041822	4/18/22	1206	2010	-30.74	-7.06	IA	AL	6L	1876	0420	X					IA = indoor air
34	IA22_041822	4/18/22	1205	2010	-30.48	-6.43	IA	AL	6L	765	01047	X					
35	IADUP01_041822	4/18/22	1259	2056	-30.59	-4.55	IA	AL	6L	3374	0804	X					
36	IADUP02_041822	4/18/22	1257	2058	-30.77	-5.84	IA	AL	6L	2805	01425	X					
37	SVE01_OUT_041822	4/18/22	1633	1847	-30.40	-4.82	SVE	AL	6L	1875	01499	X					SVE = soil vapor effluent
	~~SVEDUP01_OUT_041822~~	~~4/18/22~~	~~1259~~	~~2056~~	~~-30.59~~	~~-4.55~~	~~SVE~~	~~AL~~	~~6L~~	~~3374~~	~~0804~~						
38	AA01_041822	4/18/22	1259	2104	-30.70	-7.06	AA	AL	6L	2057	0963	X					
39	SVEDUP01_OUT_041822	4/18/22	1850	2050	-30.36	-5.58	SVE	AL	6L	3298	01763	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
LANGAN	4/18/22 2230	Langan Warehouse	4/19/22 2230
Don D AAL	4/19/22 920	Don D AAL	4/19/22 940
Luis Mondragon/AAL	4-19-22 1945	Luis Mondragon/AAL	4-19-22 [illegible]

4/19 2300
4/19/22 2300

APPENDIX J

Data Usability Summary Report

LANGAN

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Alessandra Looman, Langan Senior Staff Engineer

From: Joe Conboy, Langan Senior Staff Chemist

Date: May 23, 2022

Re: Data Usability Summary Report
For 990 Rossville Avenue
April 2022 Soil Vapor and Indoor Air Samples
Langan Project No.: 100849501

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in April 2022 by Langan Engineering and Environmental Services at the 990 Rossville Avenue site. The samples were analyzed by Alpha Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15 and TO-15 SIM

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator.

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs

values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. All SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- **R –** The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- **J –** The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- **UJ –** The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- **U –** The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- **NJ –** The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified in Table 2 (attached).

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by USEPA Method TO-15:

L2220121

Samples SV03_041822, SV04_041822, SV05_041822, and SV06_041822 exhibited a laboratory-measured receipt pressures above -2 in. Hg (+1.5 in. Hg, 0 in. Hg, -1.1 in. Hg, and 0 in. Hg, respectively). The associated results in samples SV03_041822, SV04_041822, SV05_041822, and SV06_041822 are qualified as J or UJ because of potential indeterminate bias.

The sample SV03_041822 exhibited a difference between field and laboratory-measured final pressures above 5 in. Hg (5.88 in. Hg). The associated results in sample SV03_041822 are qualified as J or UJ because of potential indeterminate bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

FIELD DUPLICATE:

Four field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than ±1X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for vapor. The following field duplicate and parent sample pairs were compared to precision criteria:

- IA11_041822 and IADUP01_041822
- IA14_041822 and IADUP02_041822
- SV01_041822 and SVDUP01_041822
- SVE01_OUT_041822 and SVEDUP01_OUT_041822

The field duplicate and parent sample (IA11_041822 and IADUP01_041822) exhibited RPDs above the control limit for chloroform (40.4%) and isopropanol (58.4%). The associated results are qualified as J because of potential indeterminate bias.

The field duplicate and parent sample (IA14_041822 and IADUP02_041822) exhibited a RPD above the control limit for ethanol (67%). The associated results are qualified as J because of potential indeterminate bias.

The field duplicate and parent sample (SV01_041822 and SVDUP01_041822) exhibited RPDs above the control limit for chloroform (30.8%), ethanol (62.8%), isopropanol (106.3%), tert-butyl alcohol (44.1%), tetrahydrofuran (150.9%), and trichlorofluoromethane (33.4%). The associated results are qualified as J or UJ because of potential indeterminate bias.

The field duplicate and parent sample (SVE01_OUT_041822 and SVEDUP01_OUT_041822) exhibited RPDs above the control limit for carbon disulfide (57.6%), chloroform (46.5%), 2-butanone (75.2%), and methylene chloride (156.6%). The associated results are qualified as J or UJ because of potential indeterminate bias.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
For 990 Rossville Avenue
April 2022 Soil Vapor and Indoor Air Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
L2220121	L2220121-01	IA01_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-02	IA02_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-03	IA03_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-04	IA04_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-05	IA05_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-06	IA06_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-07	IA07_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-08	IA08_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-09	IA09_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-10	IA10_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-11	IA11_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-12	IA12_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-13	IA13_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-14	IA14_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-15	IA15_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-16	IA16_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-17	IA17_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-18	IA18_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-19	IA19_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-20	IA20_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-21	SV01_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-22	SV02_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-23	SV03_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-24	SV04_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-25	SV05_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-26	SV06_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-27	SV07_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-28	SV08_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-29	SV09_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-30	SV10_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-31	SV11_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-32	SVDUP01_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-33	IA21_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-34	IA22_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-35	IADUP01_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-36	IADUP02_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-37	SVE01_OUT_041822	4/18/2022	Tier 1	TO-15
L2220121	L2220121-38	AA01_041822	4/18/2022	Tier 1	TO-15, TO-15 SIM
L2220121	L2220121-39	SVEDUP01_OUT_041822	4/18/2022	Tier 1	TO-15

Data Usability Summary Report
For 990 Rossville Avenue
April 2022 Soil Vapor and Indoor Air Samples
Table 2: Validator-Applied Qualification

Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
IA11_041822	TO15	67-66-3	Chloroform	J
IA11_041822	TO15	67-63-0	Isopropanol	J
IA14_041822	TO15	64-17-5	Ethanol	J
SV01_041822	TO15	67-66-3	Chloroform	J
SV01_041822	TO15	64-17-5	Ethanol	J
SV01_041822	TO15	67-63-0	Isopropanol	J
SV01_041822	TO15	75-65-0	Tert-Butyl Alcohol	J
SV01_041822	TO15	109-99-9	Tetrahydrofuran	UJ
SV01_041822	TO15	75-69-4	Trichlorofluoromethane	J
SV03_041822	TO15	71-55-6	1,1,1-Trichloroethane	UJ
SV03_041822	TO15	79-34-5	1,1,2,2-Tetrachloroethane	UJ
SV03_041822	TO15	79-00-5	1,1,2-Trichloroethane	UJ
SV03_041822	TO15	75-34-3	1,1-Dichloroethane	UJ
SV03_041822	TO15	75-35-4	1,1-Dichloroethene	UJ
SV03_041822	TO15	120-82-1	1,2,4-Trichlorobenzene	UJ
SV03_041822	TO15	95-63-6	1,2,4-Trimethylbenzene	UJ
SV03_041822	TO15	106-93-4	1,2-Dibromoethane	UJ
SV03_041822	TO15	95-50-1	1,2-Dichlorobenzene	UJ
SV03_041822	TO15	107-06-2	1,2-Dichloroethane	UJ
SV03_041822	TO15	78-87-5	1,2-Dichloropropane	UJ
SV03_041822	TO15	108-67-8	1,3,5-Trimethylbenzene	UJ
SV03_041822	TO15	106-99-0	1,3-Butadiene	UJ
SV03_041822	TO15	541-73-1	1,3-Dichlorobenzene	UJ
SV03_041822	TO15	106-46-7	1,4-Dichlorobenzene	UJ
SV03_041822	TO15	123-91-1	1,4-Dioxane	UJ
SV03_041822	TO15	540-84-1	2,2,4-Trimethylpentane	UJ
SV03_041822	TO15	78-93-3	2-Butanone	UJ
SV03_041822	TO15	591-78-6	2-Hexanone	UJ
SV03_041822	TO15	107-05-1	Allyl Chloride	UJ
SV03_041822	TO15	622-96-8	4-Ethyltoluene	UJ
SV03_041822	TO15	108-10-1	4-Methyl-2-Pentanone	UJ
SV03_041822	TO15	67-64-1	Acetone	J
SV03_041822	TO15	71-43-2	Benzene	UJ
SV03_041822	TO15	100-44-7	Benzyl Chloride	UJ
SV03_041822	TO15	75-27-4	Bromodichloromethane	UJ
SV03_041822	TO15	75-25-2	Bromoform	UJ
SV03_041822	TO15	74-83-9	Bromomethane	UJ
SV03_041822	TO15	75-15-0	Carbon Disulfide	UJ
SV03_041822	TO15	56-23-5	Carbon Tetrachloride	UJ
SV03_041822	TO15	108-90-7	Chlorobenzene	UJ
SV03_041822	TO15	75-00-3	Chloroethane	UJ
SV03_041822	TO15	67-66-3	Chloroform	UJ
SV03_041822	TO15	74-87-3	Chloromethane	J
SV03_041822	TO15	110-82-7	Cyclohexane	UJ

Data Usability Summary Report
For 990 Rossville Avenue
April 2022 Soil Vapor and Indoor Air Samples
Table 2: Validator-Applied Qualification

Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
SV03_041822	TO15	124-48-1	Dibromochloromethane	UJ
SV03_041822	TO15	75-71-8	Dichlorodifluoromethane	J
SV03_041822	TO15	64-17-5	Ethanol	J
SV03_041822	TO15	141-78-6	Ethyl Acetate	J
SV03_041822	TO15	100-41-4	Ethylbenzene	UJ
SV03_041822	TO15	76-13-1	1,2-Trichloro-1,2,2-Trifluoroethan	UJ
SV03_041822	TO15	76-14-2	1,2-Dichlorotetrafluoroethane	UJ
SV03_041822	TO15	142-82-5	n-Heptane	J
SV03_041822	TO15	87-68-3	Hexachlorobutadiene	UJ
SV03_041822	TO15	67-63-0	Isopropanol	J
SV03_041822	TO15	1634-04-4	Tert-Butyl Methyl Ether	UJ
SV03_041822	TO15	75-09-2	Methylene Chloride	UJ
SV03_041822	TO15	100-42-5	Styrene	UJ
SV03_041822	TO15	75-65-0	Tert-Butyl Alcohol	UJ
SV03_041822	TO15	127-18-4	Tetrachloroethene	UJ
SV03_041822	TO15	109-99-9	Tetrahydrofuran	J
SV03_041822	TO15	108-88-3	Toluene	J
SV03_041822	TO15	79-01-6	Trichloroethene	UJ
SV03_041822	TO15	75-69-4	Trichlorofluoromethane	J
SV03_041822	TO15	593-60-2	Bromoethene	UJ
SV03_041822	TO15	75-01-4	Vinyl Chloride	UJ
SV03_041822	TO15	156-59-2	Cis-1,2-Dichloroethene	UJ
SV03_041822	TO15	10061-01-5	Cis-1,3-Dichloropropene	UJ
SV03_041822	TO15	110-54-3	n-Hexane	UJ
SV03_041822	TO15	95-47-6	o-Xylene	UJ
SV03_041822	TO15	179601-23-1	M,P-Xylene	UJ
SV03_041822	TO15	156-60-5	Trans-1,2-Dichloroethene	UJ
SV03_041822	TO15	10061-02-6	Trans-1,3-Dichloropropene	UJ
SV04_041822	TO15	71-55-6	1,1,1-Trichloroethane	UJ
SV04_041822	TO15	79-34-5	1,1,2,2-Tetrachloroethane	UJ
SV04_041822	TO15	79-00-5	1,1,2-Trichloroethane	UJ
SV04_041822	TO15	75-34-3	1,1-Dichloroethane	UJ
SV04_041822	TO15	75-35-4	1,1-Dichloroethene	UJ
SV04_041822	TO15	120-82-1	1,2,4-Trichlorobenzene	UJ
SV04_041822	TO15	95-63-6	1,2,4-Trimethylbenzene	UJ
SV04_041822	TO15	106-93-4	1,2-Dibromoethane	UJ
SV04_041822	TO15	95-50-1	1,2-Dichlorobenzene	UJ
SV04_041822	TO15	107-06-2	1,2-Dichloroethane	UJ
SV04_041822	TO15	78-87-5	1,2-Dichloropropane	UJ
SV04_041822	TO15	108-67-8	1,3,5-Trimethylbenzene	UJ
SV04_041822	TO15	106-99-0	1,3-Butadiene	UJ
SV04_041822	TO15	541-73-1	1,3-Dichlorobenzene	UJ
SV04_041822	TO15	106-46-7	1,4-Dichlorobenzene	UJ
SV04_041822	TO15	123-91-1	1,4-Dioxane	UJ

Data Usability Summary Report
For 990 Rossville Avenue
April 2022 Soil Vapor and Indoor Air Samples
Table 2: Validator-Applied Qualification

Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
SV04_041822	TO15	540-84-1	2,2,4-Trimethylpentane	UJ
SV04_041822	TO15	78-93-3	2-Butanone	UJ
SV04_041822	TO15	591-78-6	2-Hexanone	UJ
SV04_041822	TO15	107-05-1	Allyl Chloride	UJ
SV04_041822	TO15	622-96-8	4-Ethyltoluene	UJ
SV04_041822	TO15	108-10-1	4-Methyl-2-Pentanone	UJ
SV04_041822	TO15	67-64-1	Acetone	J
SV04_041822	TO15	71-43-2	Benzene	UJ
SV04_041822	TO15	100-44-7	Benzyl Chloride	UJ
SV04_041822	TO15	75-27-4	Bromodichloromethane	UJ
SV04_041822	TO15	75-25-2	Bromoform	UJ
SV04_041822	TO15	74-83-9	Bromomethane	UJ
SV04_041822	TO15	75-15-0	Carbon Disulfide	J
SV04_041822	TO15	56-23-5	Carbon Tetrachloride	UJ
SV04_041822	TO15	108-90-7	Chlorobenzene	UJ
SV04_041822	TO15	75-00-3	Chloroethane	UJ
SV04_041822	TO15	67-66-3	Chloroform	UJ
SV04_041822	TO15	74-87-3	Chloromethane	J
SV04_041822	TO15	110-82-7	Cyclohexane	UJ
SV04_041822	TO15	124-48-1	Dibromochloromethane	UJ
SV04_041822	TO15	75-71-8	Dichlorodifluoromethane	J
SV04_041822	TO15	64-17-5	Ethanol	J
SV04_041822	TO15	141-78-6	Ethyl Acetate	UJ
SV04_041822	TO15	100-41-4	Ethylbenzene	UJ
SV04_041822	TO15	76-13-1	1,2-Trichloro-1,2,2-Trifluoroethan	UJ
SV04_041822	TO15	76-14-2	1,2-Dichlorotetrafluoroethane	UJ
SV04_041822	TO15	142-82-5	n-Heptane	UJ
SV04_041822	TO15	87-68-3	Hexachlorobutadiene	UJ
SV04_041822	TO15	67-63-0	Isopropanol	J
SV04_041822	TO15	1634-04-4	Tert-Butyl Methyl Ether	UJ
SV04_041822	TO15	75-09-2	Methylene Chloride	UJ
SV04_041822	TO15	100-42-5	Styrene	UJ
SV04_041822	TO15	75-65-0	Tert-Butyl Alcohol	UJ
SV04_041822	TO15	127-18-4	Tetrachloroethene	J
SV04_041822	TO15	109-99-9	Tetrahydrofuran	UJ
SV04_041822	TO15	108-88-3	Toluene	UJ
SV04_041822	TO15	79-01-6	Trichloroethene	UJ
SV04_041822	TO15	75-69-4	Trichlorofluoromethane	J
SV04_041822	TO15	593-60-2	Bromoethene	UJ
SV04_041822	TO15	75-01-4	Vinyl Chloride	UJ
SV04_041822	TO15	156-59-2	Cis-1,2-Dichloroethene	UJ
SV04_041822	TO15	10061-01-5	Cis-1,3-Dichloropropene	UJ
SV04_041822	TO15	110-54-3	n-Hexane	UJ
SV04_041822	TO15	95-47-6	o-Xylene	UJ

Data Usability Summary Report
For 990 Rossville Avenue
April 2022 Soil Vapor and Indoor Air Samples
Table 2: Validator-Applied Qualification

Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
SV04_041822	TO15	179601-23-1	M,P-Xylene	UJ
SV04_041822	TO15	156-60-5	Trans-1,2-Dichloroethene	UJ
SV04_041822	TO15	10061-02-6	Trans-1,3-Dichloropropene	UJ
SV05_041822	TO15	71-55-6	1,1,1-Trichloroethane	UJ
SV05_041822	TO15	79-34-5	1,1,2,2-Tetrachloroethane	UJ
SV05_041822	TO15	79-00-5	1,1,2-Trichloroethane	UJ
SV05_041822	TO15	75-34-3	1,1-Dichloroethane	UJ
SV05_041822	TO15	75-35-4	1,1-Dichloroethene	UJ
SV05_041822	TO15	120-82-1	1,2,4-Trichlorobenzene	UJ
SV05_041822	TO15	95-63-6	1,2,4-Trimethylbenzene	J
SV05_041822	TO15	106-93-4	1,2-Dibromoethane	UJ
SV05_041822	TO15	95-50-1	1,2-Dichlorobenzene	UJ
SV05_041822	TO15	107-06-2	1,2-Dichloroethane	UJ
SV05_041822	TO15	78-87-5	1,2-Dichloropropane	UJ
SV05_041822	TO15	108-67-8	1,3,5-Trimethylbenzene	UJ
SV05_041822	TO15	106-99-0	1,3-Butadiene	UJ
SV05_041822	TO15	541-73-1	1,3-Dichlorobenzene	UJ
SV05_041822	TO15	106-46-7	1,4-Dichlorobenzene	UJ
SV05_041822	TO15	123-91-1	1,4-Dioxane	UJ
SV05_041822	TO15	540-84-1	2,2,4-Trimethylpentane	UJ
SV05_041822	TO15	78-93-3	2-Butanone	J
SV05_041822	TO15	591-78-6	2-Hexanone	J
SV05_041822	TO15	107-05-1	Allyl Chloride	UJ
SV05_041822	TO15	622-96-8	4-Ethyltoluene	UJ
SV05_041822	TO15	108-10-1	4-Methyl-2-Pentanone	UJ
SV05_041822	TO15	67-64-1	Acetone	J
SV05_041822	TO15	71-43-2	Benzene	UJ
SV05_041822	TO15	100-44-7	Benzyl Chloride	UJ
SV05_041822	TO15	75-27-4	Bromodichloromethane	UJ
SV05_041822	TO15	75-25-2	Bromoform	UJ
SV05_041822	TO15	74-83-9	Bromomethane	UJ
SV05_041822	TO15	75-15-0	Carbon Disulfide	J
SV05_041822	TO15	56-23-5	Carbon Tetrachloride	UJ
SV05_041822	TO15	108-90-7	Chlorobenzene	UJ
SV05_041822	TO15	75-00-3	Chloroethane	UJ
SV05_041822	TO15	67-66-3	Chloroform	UJ
SV05_041822	TO15	74-87-3	Chloromethane	J
SV05_041822	TO15	110-82-7	Cyclohexane	UJ
SV05_041822	TO15	124-48-1	Dibromochloromethane	UJ
SV05_041822	TO15	75-71-8	Dichlorodifluoromethane	J
SV05_041822	TO15	64-17-5	Ethanol	J
SV05_041822	TO15	141-78-6	Ethyl Acetate	UJ
SV05_041822	TO15	100-41-4	Ethylbenzene	UJ
SV05_041822	TO15	76-13-1	1,2-Trichloro-1,2,2-Trifluoroethan	UJ

Data Usability Summary Report
For 990 Rossville Avenue
April 2022 Soil Vapor and Indoor Air Samples
Table 2: Validator-Applied Qualification

Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
SV05_041822	TO15	76-14-2	1,2-Dichlorotetrafluoroethane	UJ
SV05_041822	TO15	142-82-5	n-Heptane	UJ
SV05_041822	TO15	87-68-3	Hexachlorobutadiene	UJ
SV05_041822	TO15	67-63-0	Isopropanol	J
SV05_041822	TO15	1634-04-4	Tert-Butyl Methyl Ether	UJ
SV05_041822	TO15	75-09-2	Methylene Chloride	UJ
SV05_041822	TO15	100-42-5	Styrene	UJ
SV05_041822	TO15	75-65-0	Tert-Butyl Alcohol	UJ
SV05_041822	TO15	127-18-4	Tetrachloroethene	J
SV05_041822	TO15	109-99-9	Tetrahydrofuran	UJ
SV05_041822	TO15	108-88-3	Toluene	UJ
SV05_041822	TO15	79-01-6	Trichloroethene	J
SV05_041822	TO15	75-69-4	Trichlorofluoromethane	J
SV05_041822	TO15	593-60-2	Bromoethene	UJ
SV05_041822	TO15	75-01-4	Vinyl Chloride	UJ
SV05_041822	TO15	156-59-2	Cis-1,2-Dichloroethene	J
SV05_041822	TO15	10061-01-5	Cis-1,3-Dichloropropene	UJ
SV05_041822	TO15	110-54-3	n-Hexane	UJ
SV05_041822	TO15	95-47-6	o-Xylene	UJ
SV05_041822	TO15	179601-23-1	M,P-Xylene	UJ
SV05_041822	TO15	156-60-5	Trans-1,2-Dichloroethene	UJ
SV05_041822	TO15	10061-02-6	Trans-1,3-Dichloropropene	UJ
SV06_041822	TO15	71-55-6	1,1,1-Trichloroethane	UJ
SV06_041822	TO15	79-34-5	1,1,2,2-Tetrachloroethane	UJ
SV06_041822	TO15	79-00-5	1,1,2-Trichloroethane	UJ
SV06_041822	TO15	75-34-3	1,1-Dichloroethane	UJ
SV06_041822	TO15	75-35-4	1,1-Dichloroethene	UJ
SV06_041822	TO15	120-82-1	1,2,4-Trichlorobenzene	UJ
SV06_041822	TO15	95-63-6	1,2,4-Trimethylbenzene	J
SV06_041822	TO15	106-93-4	1,2-Dibromoethane	UJ
SV06_041822	TO15	95-50-1	1,2-Dichlorobenzene	UJ
SV06_041822	TO15	107-06-2	1,2-Dichloroethane	UJ
SV06_041822	TO15	78-87-5	1,2-Dichloropropane	UJ
SV06_041822	TO15	108-67-8	1,3,5-Trimethylbenzene	J
SV06_041822	TO15	106-99-0	1,3-Butadiene	UJ
SV06_041822	TO15	541-73-1	1,3-Dichlorobenzene	UJ
SV06_041822	TO15	106-46-7	1,4-Dichlorobenzene	UJ
SV06_041822	TO15	123-91-1	1,4-Dioxane	UJ
SV06_041822	TO15	540-84-1	2,2,4-Trimethylpentane	UJ
SV06_041822	TO15	78-93-3	2-Butanone	J
SV06_041822	TO15	591-78-6	2-Hexanone	UJ
SV06_041822	TO15	107-05-1	Allyl Chloride	UJ
SV06_041822	TO15	622-96-8	4-Ethyltoluene	J
SV06_041822	TO15	108-10-1	4-Methyl-2-Pentanone	UJ

Data Usability Summary Report
For 990 Rossville Avenue
April 2022 Soil Vapor and Indoor Air Samples
Table 2: Validator-Applied Qualification

Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
SV06_041822	TO15	67-64-1	Acetone	J
SV06_041822	TO15	71-43-2	Benzene	UJ
SV06_041822	TO15	100-44-7	Benzyl Chloride	UJ
SV06_041822	TO15	75-27-4	Bromodichloromethane	UJ
SV06_041822	TO15	75-25-2	Bromoform	UJ
SV06_041822	TO15	74-83-9	Bromomethane	UJ
SV06_041822	TO15	75-15-0	Carbon Disulfide	J
SV06_041822	TO15	56-23-5	Carbon Tetrachloride	UJ
SV06_041822	TO15	108-90-7	Chlorobenzene	UJ
SV06_041822	TO15	75-00-3	Chloroethane	UJ
SV06_041822	TO15	67-66-3	Chloroform	J
SV06_041822	TO15	74-87-3	Chloromethane	J
SV06_041822	TO15	110-82-7	Cyclohexane	UJ
SV06_041822	TO15	124-48-1	Dibromochloromethane	UJ
SV06_041822	TO15	75-71-8	Dichlorodifluoromethane	J
SV06_041822	TO15	64-17-5	Ethanol	J
SV06_041822	TO15	141-78-6	Ethyl Acetate	J
SV06_041822	TO15	100-41-4	Ethylbenzene	UJ
SV06_041822	TO15	76-13-1	1,2-Trichloro-1,2,2-Trifluoroethar	UJ
SV06_041822	TO15	76-14-2	1,2-Dichlorotetrafluoroethane	UJ
SV06_041822	TO15	142-82-5	n-Heptane	UJ
SV06_041822	TO15	87-68-3	Hexachlorobutadiene	UJ
SV06_041822	TO15	67-63-0	Isopropanol	J
SV06_041822	TO15	1634-04-4	Tert-Butyl Methyl Ether	UJ
SV06_041822	TO15	75-09-2	Methylene Chloride	J
SV06_041822	TO15	100-42-5	Styrene	UJ
SV06_041822	TO15	75-65-0	Tert-Butyl Alcohol	UJ
SV06_041822	TO15	127-18-4	Tetrachloroethene	J
SV06_041822	TO15	109-99-9	Tetrahydrofuran	UJ
SV06_041822	TO15	108-88-3	Toluene	J
SV06_041822	TO15	79-01-6	Trichloroethene	UJ
SV06_041822	TO15	75-69-4	Trichlorofluoromethane	J
SV06_041822	TO15	593-60-2	Bromoethene	UJ
SV06_041822	TO15	75-01-4	Vinyl Chloride	UJ
SV06_041822	TO15	156-59-2	Cis-1,2-Dichloroethene	UJ
SV06_041822	TO15	10061-01-5	Cis-1,3-Dichloropropene	UJ
SV06_041822	TO15	110-54-3	n-Hexane	UJ
SV06_041822	TO15	95-47-6	o-Xylene	UJ
SV06_041822	TO15	179601-23-1	M,P-Xylene	UJ
SV06_041822	TO15	156-60-5	Trans-1,2-Dichloroethene	UJ
SV06_041822	TO15	10061-02-6	Trans-1,3-Dichloropropene	UJ
SVDUP01_041822	TO15	67-66-3	Chloroform	J
SVDUP01_041822	TO15	64-17-5	Ethanol	J
SVDUP01_041822	TO15	67-63-0	Isopropanol	J

Data Usability Summary Report
For 990 Rossville Avenue
April 2022 Soil Vapor and Indoor Air Samples
Table 2: Validator-Applied Qualification

Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
SVDUP01_041822	TO15	75-65-0	Tert-Butyl Alcohol	J
SVDUP01_041822	TO15	109-99-9	Tetrahydrofuran	J
SVDUP01_041822	TO15	75-69-4	Trichlorofluoromethane	J
IADUP01_041822	TO15	67-66-3	Chloroform	J
IADUP01_041822	TO15	67-63-0	Isopropanol	J
IADUP02_041822	TO15	64-17-5	Ethanol	J
SVE01_OUT_041822	TO15	75-15-0	Carbon Disulfide	J
SVE01_OUT_041822	TO15	67-66-3	Chloroform	J
SVE01_OUT_041822	TO15	78-93-3	2-Butanone	UJ
SVE01_OUT_041822	TO15	75-09-2	Methylene Chloride	J
SVEDUP01_OUT_041822	TO15	75-15-0	Carbon Disulfide	J
SVEDUP01_OUT_041822	TO15	67-66-3	Chloroform	J
SVEDUP01_OUT_041822	TO15	78-93-3	2-Butanone	J
SVEDUP01_OUT_041822	TO15	75-09-2	Methylene Chloride	J

APPENDIX K

SSDS Inspection Forms

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Field Engineer(s): _____ Time Onsite: _____
Date : _____ Time Offsite: _____

Vapor Extraction Points						
VEP ID	Vacuum (IWC)	PID (ppb)	Air Flow Rate (cfm)	Temperature (°F)	Gate Valve Position AM	Gate Valve Position PM
VEP-1						
VEP-2						
VEP-3						
VEP-4						
VEP-5						
VEP-6						
VEP-7						
VEP-8						
VEP-9						
VEP-10						
VEP-11						
VEP-12						
VEP-13						
VEP-14						
VEP-15						
VEP-16						
VEP-17						
VEP-18						
VEP-19						
VEP-20						
VEP-21						
VEP-22						
VEP-23						
VEP-24						
VEP-25						
VEP-26						
VEP-27						
VEP-28						
VEP-29						

Vacuum Monitoring Points			
VMP ID	**PID (ppb)**	**Vacuum AM (IWC)**	**Vacuum PM (IWC)**
VMP-1			
VMP-2			
VMP-3			
VMP-4			
VMP-5			
VMP-6			
VMP-7			
VMP-8			
VMP-9			
VMP-10			
VMP-11			
VMP-12			
VMP-13			
VMP-14			
VMP-15			
VMP-16			

Process Equipment - Influent					
	Vacuum (IWC)	**PID (ppb)**	**Air Flow Rate (cfm)**	**Inline Filter ΔP (IWC)**	**Dilution Valve Position**
Blower 1					
Blower 2					

Process Equipment - Effluent				
Location	**Pressure (IWC)**	**Air Flow Rate (cfm)**	**Temperature (°F)**	**PID (ppb)**
Blower 1				
Blower 2				

Control Panel			
Location	**VFD Setpoint (Hz)**	**Operational Hours**	**Enclosure Temperature (°F)**
Blower 1			
Blower 2			

NOTES:
NM = Not Measured
Gate Valve Position AM = position upon arrival to site, prior to any measurements or system adjustments.
Gate Valve Position PM = position after AM measurements have been recorded and system adjustments have been made.
Vacuum AM = value upon arrival to site, prior to any measurements or system adjustments.
Vacuum PM = value after AM measurements have been recorded and system adjustments have been made.

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Field Engineer(s): AL
Date : 04/15/22

Time Onsite: 7:45
Time Offsite: 14:30

Vapor Extraction Points					
VEP ID	Vacuum (IWC)	Air Flow Rate (cfm)	Temperature (°F)	PID (ppb)	Gate Valve Position
VEP-1	16	30.33	69.1	46	OPEN
VEP-2	22	59.66	66.9	31	OPEN
VEP-3	18	31.00	68.7	36	OPEN
VEP-4	17	37.37	65.1	57	CLOSED 25%
VEP-5	18	22.85	66.3	76	OPEN
VEP-6	18	35.26	65.9	70	CLOSED 25%
VEP-7	NM; NO SAMPLE PORT OR VACUUM GAUGE				OPEN
VEP-8	21	12.63	69.0	687	GATE VALVE IN CEILING
VEP-9	21	17.61	68.1	415	
VEP-10	17	47.17	68.3	376	
VEP-11	21	77.62	68.0	111	OPEN
VEP-12	22	13.50	65.5	45	OPEN
VEP-13	20	27.81	66.5	101	OPEN
VEP-14	19	33.32	66.1	20	OPEN
VEP-15	21	6.36	65.8	23	OPEN
VEP-16	22	19.18	66.3	29	OPEN
VEP-17	20	123.12	65.8	48	OPEN
VEP-18	4	42.45	75.3	101	OPEN
VEP-19	2	43.11	73.7	144	OPEN
VEP-20	7	59.54	79.1	232	OPEN
VEP-21	5	47.80	71.0	165	OPEN
VEP-22	5	47.62	71.0	119	OPEN
VEP-23	8	45.62	76.3	189	OPEN
VEP-24	8	52.13	74.4	223	OPEN
VEP-25	6	59.60	67.1	113	OPEN
VEP-26	5	50.05	69.2	119	OPEN
VEP-27	10	52.26	66.9	220	OPEN
VEP-28	7	51.53	65.4	285	OPEN
VEP-29	14	32.12	65.9	36	OPEN

LANGAN

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Vacuum Monitoring Points			
VMP ID	**Vacuum AM (IWC)**	**Vacuum PM (IWC)**	**PID (ppb)**
VMP-1	-0.010	-0.022	0
VMP-2	-0.018	-0.040	2
VMP-3	-0.083	-0.155	13
VMP-4	-0.045	-0.093	16
VMP-5	-0.001	-0.001	690
VMP-6	-0.605	-1.198	69
VMP-7	-0.038	-0.067	0
VMP-8	-0.001	-0.001	0
VMP-9	-0.001	-0.001	34
VMP-10	-0.002	-0.002	8
VMP-11	-0.053	-0.029	21
VMP-12	-0.431	-0.052	311
VMP-13	-0.463	-0.037	120
VMP-14	-0.010	-0.001	171
VMP-15	-0.528	-0.035	259
VMP-16	-0.001	-0.001	97

Process Equipment - Influent					
	Vacuum (IWC)	**PID (ppb)**	**Air Flow Rate (cfm)**	**Inline Filter ΔP (IWC)**	**Dilution Valve Position**
Blower 1	30	0	NM; PROBE DOESN'T FIT IN PORT	3.5	CLOSED
Blower 2	30				

Process Equipment - Effluent				
Location	**Pressure (IWC)**	**Air Flow Rate (cfm)**	**Temperature (°F)**	**PID (ppb)**
Blower 1	10	NM; PROBE DOESN'T FIT IN PORT	100	22
Blower 2	10		100	

Control Panel			
Location	**VFD Setpoint (Hz)**	**Operational Hours**	**Enclosure Temperature (°F)**
Blower 1	55.00	982.5	110
Blower 2	55.00	982.0	

NOTES:
NM = Not Measured
Vacuum AM = Vacuum readings with grocery sub-header lines at aproximately 50% closed, and VEP-4 and VEP-6 at approximately 25% closed.
Vacuum PM = Vacuum readings with grocery sub-header lines at approximately 75% closed, and VEP-7, VEP-13, VEP-17, VEP-18, VEP-24, and VEP-27 at approximately 25% closed.

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Field Engineer(s): AL
Date : 05/23/22

Time Onsite: 8:00
Time Offsite: 14:45

Vapor Extraction Points					
VEP ID	Vacuum (IWC)	Air Flow Rate (cfm)	Temperature (°F)	PID (ppb)	Gate Valve Position
VEP-1	36	50.71	72.8	83	OPEN
VEP-2	40	81.02	74.7	93	OPEN
VEP-3	36	52.54	70.7	69	OPEN
VEP-4	25	77.76	75.2	49	CLOSED 25%
VEP-5	27	56.61	75.5	74	OPEN
VEP-6	27	81.74	75.3	94	CLOSED 25%
VEP-7	NM; NO SAMPLE PORT OR VACUUM GAUGE				CLOSED 25%
VEP-8	36	45.11	73.8	627	CLOSED 25%
VEP-9	39	41.33	74.0	206	OPEN
VEP-10	33	90.89	73.5	141	OPEN
VEP-11	37	119.35	75.1	176	OPEN
VEP-12	40	49.44	72.0	226	OPEN
VEP-13	41	58.80	75.3	193	CLOSED 25%
VEP-14	36	97.98	72.8	185	OPEN
VEP-15	41	27.53	72.3	224	OPEN
VEP-16	42	25.33	73.1	256	OPEN
VEP-17	39	91.11	71.0	270	CLOSED 25%
VEP-18	0	5.15	75.8	79	CLOSED 25%
VEP-19	0	5.46	75.3	113	OPEN
VEP-20	3	17.81	76.7	181	OPEN
VEP-21	0	5.63	72.7	87	OPEN
VEP-22	0	4.58	73.5	75	OPEN
VEP-23	1	24.64	80.7	170	OPEN
VEP-24	3	13.33	76.1	122	CLOSED 25%
VEP-25	0	5.90	72.9	124	OPEN
VEP-26	0	5.01	73.3	74	OPEN
VEP-27	5	19.27	69.7	32	CLOSED 25%
VEP-28	1	16.99	69.3	40	OPEN
VEP-29	5	14.20	72.8	150	OPEN

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Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Vacuum Monitoring Points			
VMP ID	**Vacuum AM (IWC)**	**Vacuum PM (IWC)**	**PID (ppb)**
VMP-1	-0.023	-0.017	6
VMP-2	-0.029	-0.020	0
VMP-3	-0.107	-0.097	0
VMP-4	NM	-0.042	NM
VMP-5	-0.028	NM	133
VMP-6	-1.353	NM	0
VMP-7	-0.088	-0.062	166
VMP-8	-0.001	-0.001	140
VMP-9	-0.071	-0.022	391
VMP-10	-3.133	-2.216	94
VMP-11	-0.185	-0.141	196
VMP-12	-0.048	-0.161	346
VMP-13	-0.027	-0.297	12
VMP-14	-0.229	-0.527	193
VMP-15	-0.038	-0.340	119
VMP-16	-0.001	-0.001	101

Process Equipment - Influent					
	Vacuum (IWC)	**PID (ppb)**	**Air Flow Rate (cfm)**	**Inline Filter ΔP (IWC)**	**Dilution Valve Position**
Blower 1	50	188	NM; PROBE DOESN'T FIT IN PORT	2.5	CLOSED
Blower 2	50				

Process Equipment - Effluent				
Location	**Pressure (IWC)**	**Air Flow Rate (cfm)**	**Temperature (°F)**	**PID (ppb)**
Blower 1	5	NM; PROBE DOESN'T FIT IN PORT	125	0
Blower 2	10		125	

Control Panel			
Location	**VFD Setpoint (Hz)**	**Operational Hours**	**Enclosure Temperature (°F)**
Blower 1	55.00	1888.1	130
Blower 2	55.00	1887.6	

NOTES:
NM = Not Measured
Gate Valve Position = position upon arrival to site, prior to any measurements or system adjustments.
Vacuum AM = Vacuum readings with grocery sub-header lines at approximately 75% closed, and VEP-4, VEP-6, VEP-7, VEP-8, VEP-13, VEP-17, VEP-18, VEP-24, and VEP-27 at approximately 25% closed.
Vacuum PM = Vacuum readings with left grocery sub-header line at approximately 50% closed, right grocery sub-header line at approximately 75% closed, and VEP-4, VEP-6, VEP-7, VEP-8, VEP-13, VEP-14, VEP-17, VEP-18, VEP-24, and VEP-27 at approximately 25% closed.

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Field Engineer(s): AL
Date : 06/22/22

Time Onsite: 8:00
Time Offsite: 13:30

Vapor Extraction Points					
VEP ID	Vacuum (IWC)	Air Flow Rate (cfm)	Temperature (°F)	PID (ppb)	Gate Valve Position
VEP-1	29	65.30	73.8	153	OPEN
VEP-2	35	31.40	72.8	175	OPEN
VEP-3	30	70.15	75.1	148	OPEN
VEP-4	30	22.68	72.4	196	CLOSED 25%
VEP-5	31	18.11	72.1	175	OPEN
VEP-6	31	23.35	72.3	168	CLOSED 25%
VEP-7	28	28.72	72.7	24	CLOSED 50%
VEP-8	8.5	22.35	73.3	79	CLOSED 50%
VEP-9	28	39.25	73.8	28	OPEN
VEP-10	27	76.44	72.7	37	OPEN
VEP-11	32	81.78	74.4	83	OPEN
VEP-12	29	50.44	74.7	39	OPEN
VEP-13	31	24.45	75.2	42	CLOSED 25%
VEP-14	27	86.91	74.3	84	CLOSED 25%
VEP-15	29	25.57	73.1	37	OPEN
VEP-16	28	30.01	76.0	38	OPEN
VEP-17	32	88.64	75.0	45	CLOSED 25%
VEP-18	5	40.95	72.0	0	CLOSED 50%
VEP-19	4	47.60	73.6	0	CLOSED 25%
VEP-20	3	15.50	75.5	0	OPEN
VEP-21	6	54.63	72.0	0	OPEN
VEP-22	8	35.48	70.5	0	CLOSED 25%
VEP-23	2.5	19.35	79.7	0	OPEN
VEP-24	3	10.28	79.5	211	CLOSED 25%
VEP-25	8	52.26	74.1	0	CLOSED 25%
VEP-26	7	57.69	72.2	0	OPEN
VEP-27	4	8.30	72.8	0	CLOSED 25%
VEP-28	2	14.08	72.5	0	OPEN
VEP-29	5	9.26	75.1	22	OPEN

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Vacuum Monitoring Points			
VMP ID	**PID (ppb)**	**Vacuum AM (IWC)**	**Vacuum PM (IWC)**
VMP-1	45	-0.019	-0.019
VMP-2	169	-0.015	-0.015
VMP-3	203	-0.118	-0.105
VMP-4	236	-0.022	-0.022
VMP-5	34	-0.026	-0.032
VMP-6	18	-0.643	-0.649
VMP-7	62	-0.056	-0.058
VMP-8	36	-0.040	-0.025
VMP-9	34	-1.551	-1.293
VMP-10	18	-1.901	-1.965
VMP-11	6	-0.282	-0.291
VMP-12	227	-0.181	-0.188
VMP-13	0	-0.377	-0.306
VMP-14	0	-0.579	-0.595
VMP-15	0	-0.408	-0.399
VMP-16	0	-0.001	-0.002

Process Equipment - Influent					
	Vacuum (IWC)	**PID (ppb)**	**Air Flow Rate (cfm)**	**Inline Filter ΔP (IWC)**	**Dilution Valve Position**
Blower 1	40	170	NM; PROBE DOESN'T FIT IN PORT	2	CLOSED
Blower 2	45				

Process Equipment - Effluent				
Location	**Pressure (IWC)**	**Air Flow Rate (cfm)**	**Temperature (°F)**	**PID (ppb)**
Blower 1	10	NM; PROBE DOESN'T FIT IN PORT	115	156
Blower 2	10		115	

Control Panel			
Location	**VFD Setpoint (Hz)**	**Operational Hours**	**Enclosure Temperature (°F)**
Blower 1	55.00	2536.9	120
Blower 2	55.00	2536.4	

NOTES:
NM = Not Measured
Gate Valve Position = position upon arrival to site, prior to any measurements or system adjustments.
Vacuum AM = Vacuum readings with left grocery sub-header line at approximately 50% closed; right grocery sub-header line at approximately 75% closed; VEP-4, VEP-6, VEP-13, VEP-14, VEP-17, VEP-19, VEP-22, VEP-24, VEP-25, and VEP-27 at approximately 25% closed; and VEP-7, VEP-8, and VEP-18 at approximately 50% closed.
Vacuum PM = Vacuum readings with left grocery sub-header line at approximately 50% closed; right grocery sub-header line at approximately 75% closed; VEP-20, VEP-21, VEP-23, and VEP-28 at approximately 6% closed; VEP-4, VEP-6, VEP-13, VEP-14, VEP-17, and VEP-26 at approximately 25% closed; VEP-19, VEP-22, VEP-24, VEP-25, and VEP-27 at approximately 31% closed; VEP-7 and VEP-8 at approximately 50% closed; and VEP-18 at approximately 56% closed.

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Field Engineer(s): AL, JC
Date : 07/12/22

Time Onsite: 8:00
Time Offsite: 15:15

Vapor Extraction Points						
VEP ID	Vacuum (IWC)	Air Flow Rate (cfm)	Temperature (°F)	PID (ppb)	Gate Valve Position AM	Gate Valve Position PM
VEP-1	31	44.12	76.5	175	OPEN	OPEN
VEP-2	36	34.08	75.8	188	OPEN	OPEN
VEP-3	31	52.04	76.7	185	OPEN	OPEN
VEP-4	31	58.15	74.1	193	CLOSED 25%	CLOSED 25%
VEP-5	33	49.77	74.1	207	OPEN	OPEN
VEP-6	33	85.77	74.0	190	CLOSED 25%	CLOSED 25%
VEP-7	NM, no access; salon tenant space was unexpectedly closed				CLOSED 50%	CLOSED 50%
VEP-8					CLOSED 50%	CLOSED 50%
VEP-9					OPEN	OPEN
VEP-10					OPEN	OPEN
VEP-11	35	72.09	79.0	233	OPEN	OPEN
VEP-12	35	20.40	80.9	275	OPEN	OPEN
VEP-13	33	17.75	78.6	230	CLOSED 25%	CLOSED 25%
VEP-14	29	80.69	80.8	245	CLOSED 25%	CLOSED 25%
VEP-15	33	20.70	80.8	256	OPEN	OPEN
VEP-16	35	22.92	81.3	247	OPEN	OPEN
VEP-17	30	92.90	82.0	190	CLOSED 25%	CLOSED 25%
VEP-18	4	35.31	77.0	195	CLOSED 55%	CLOSED 60%
VEP-19	6	44.50	77.2	215	CLOSED 30%	CLOSED 35%
VEP-20	3	11.55	78.4	238	CLOSED 5%	CLOSED 10%
VEP-21	8	58.81	81.1	128	OPEN	OPEN
VEP-22	11	32.62	76.1	142	CLOSED 30%	CLOSED 35%
VEP-23	2	19.30	85.3	163	CLOSED 5%	CLOSED 10%
VEP-24	3	9.80	82.1	349	CLOSED 30%	CLOSED 35%
VEP-25	10	46.75	77.2	140	OPEN	OPEN
VEP-26	9	58.39	78.1	131	CLOSED 25%	CLOSED 30%
VEP-27	5	13.49	77.0	123	CLOSED 30%	CLOSED 35%
VEP-28	2	14.90	74.7	192	CLOSED 5%	CLOSED 10%
VEP-29	5	6.56	82.0	132	OPEN	OPEN

Vacuum Monitoring Points			
VMP ID	**PID (ppb)**	**Vacuum AM (IWC)**	**Vacuum PM (IWC)**
VMP-1	68	-0.020	-0.021
VMP-2	194	-0.016	-0.016
VMP-3	103	-0.116	-0.105
VMP-4	160	-0.017	-0.016
VMP-5	NM, no access; salon tenant space was unexpectedly closed		
VMP-6			
VMP-7	215	-0.067	-0.063
VMP-8	64	-0.065	-0.061
VMP-9	260	-7.757	-7.187
VMP-10	332	-1.460	-1.311
VMP-11	181	-0.313	-0.294
VMP-12	538	-0.211	-0.264
VMP-13	109	-0.287	-0.510
VMP-14	153	-0.639	-0.774
VMP-15	114	-0.440	-0.653
VMP-16	201	-0.001	-0.002

Process Equipment - Influent					
	Vacuum (IWC)	**PID (ppb)**	**Air Flow Rate (cfm)**	**Inline Filter ΔP (IWC)**	**Dilution Valve Position**
Blower 1	40	0	NM; PROBE DOESN'T FIT IN PORT	2	CLOSED
Blower 2	45				

Process Equipment - Effluent				
Location	**Pressure (IWC)**	**Air Flow Rate (cfm)**	**Temperature (°F)**	**PID (ppb)**
Blower 1	10	NM; PROBE DOESN'T FIT IN PORT	125	192
Blower 2	10		125	

Control Panel			
Location	**VFD Setpoint (Hz)**	**Operational Hours**	**Enclosure Temperature (°F)**
Blower 1	55.00	2962.9	125
Blower 2	55.00	2962.4	

NOTES:
NM = Not Measured
Gate Valve Position AM = position upon arrival to site, prior to any measurements or system adjustments.
Gate Valve Position PM = position after AM measurements and system adjustments have been made.
Vacuum AM = Vacuum readings with left grocery sub-header line at approximately 50% closed; right grocery sub-header line at approximately 75% closed; and VEPs at Gate Valve Position AM.
Vacuum PM =Vacuum readings with left grocery sub-header line at approximately 25% closed; right grocery sub-header line at approximately 75% closed; and VEPs at Gate Valve Position PM.

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Field Engineer(s): AL
Date : 08/05/22

Time Onsite: 8:00
Time Offsite: 14:30

Vapor Extraction Points						
VEP ID	Vacuum (IWC)	PID (ppb)	Air Flow Rate (cfm)	Temperature (°F)	Gate Valve Position AM	Gate Valve Position PM
VEP-1	34	132	47.00	76.6	OPEN	OPEN
VEP-2	39	126	45.21	76.5	OPEN	OPEN
VEP-3	35	136	52.50	76.4	OPEN	OPEN
VEP-4	35	278	19.14	77.2	CLOSED 25%	CLOSED 25%
VEP-5	36	222	44.75	76.3	OPEN	OPEN
VEP-6	37	237	24.87	76.1	CLOSED 25%	CLOSED 25%
VEP-7	38	1111	54.82	76.6	CLOSED 50%	CLOSED 50%
VEP-8	12	616	50.57	76.2	CLOSED 50%	CLOSED 50%
VEP-9	37	976	31.40	77.0	OPEN	OPEN
VEP-10	33	789	46.29	77.2	OPEN	OPEN
VEP-11	39	309	36.88	79.5	OPEN	OPEN
VEP-12	39	321	45.56	78.9	OPEN	OPEN
VEP-13	37	265	24.75	80.0	CLOSED 25%	CLOSED 25%
VEP-14	34	1170	56.45	78.0	CLOSED 25%	CLOSED 25%
VEP-15	37	175	24.26	77.8	OPEN	OPEN
VEP-16	38	355	27.48	78.2	OPEN	OPEN
VEP-17	34	308	78.77	78.7	CLOSED 25%	CLOSED 25%
VEP-18	6	485	28.52	79.6	CLOSED 60%	**CLOSED 85%**
VEP-19	14	201	55.20	76.8	CLOSED 35%	**CLOSED 60%**
VEP-20	3	25	9.16	79.5	CLOSED 10%	CLOSED 10%
VEP-21	15	33	76.25	76.7	OPEN	OPEN
VEP-22	19	0	74.63	73.3	CLOSED 35%	**OPEN**
VEP-23	3	29	19.59	85.7	CLOSED 10%	CLOSED 10%
VEP-24	3	342	8.56	87.5	CLOSED 35%	CLOSED 35%
VEP-25	20	469	49.50	78.2	OPEN	OPEN
VEP-26	16	701	81.91	89.0	CLOSED 30%	**CLOSED 55%**
VEP-27	5	319	11.78	75.2	CLOSED 35%	CLOSED 35%
VEP-28	3	511	8.36	75.6	CLOSED 10%	CLOSED 10%
VEP-29	5	175	6.25	78.7	OPEN	OPEN

Vacuum Monitoring Points			
VMP ID	**PID (ppb)**	**Vacuum AM (IWC)**	**Vacuum PM (IWC)**
VMP-1	61	-0.021	-0.022
VMP-2	89	-0.018	-0.016
VMP-3	121	-0.096	-0.095
VMP-4	324	-0.015	NM; inaccessible in PM
VMP-5	NM; inaccessible in AM		-0.035
VMP-6	260	-0.553	-0.565
VMP-7	146	-0.053	-0.058
VMP-8	78	-0.082	-0.089
VMP-9	131	-10.220	-10.200
VMP-10	174	-0.782	-0.781
VMP-11	169	-0.271	-0.266
VMP-12	491	-0.295	-0.271
VMP-13	101	-0.419	-0.485
VMP-14	0	-0.898	-0.794
VMP-15	0	-0.645	-0.512
VMP-16	55	-0.002	-0.002

Process Equipment - Influent					
	Vacuum (IWC)	**PID (ppb)**	**Air Flow Rate (cfm)**	**Inline Filter ΔP (IWC)**	**Dilution Valve Position**
Blower 1	50	688	700	2	CLOSED
Blower 2	50				

Process Equipment - Effluent				
Location	**Pressure (IWC)**	**Air Flow Rate (cfm)**	**Temperature (°F)**	**PID (ppb)**
Blower 1	10	847	125	222
Blower 2	10		125	

Control Panel			
Location	**VFD Setpoint (Hz)**	**Operational Hours**	**Enclosure Temperature (°F)**
Blower 1	55.00	3497.1	135
Blower 2	55.00	3496.6	

NOTES:
NM = Not Measured
Gate Valve Position AM = position upon arrival to site, prior to any measurements or system adjustments.
Gate Valve Position PM = position after AM measurements and system adjustments have been made.
Vacuum AM = Vacuum readings with left grocery sub-header line at approximately 25% closed; right grocery sub-header line at approximately 75% closed; and VEPs at Gate Valve Position AM.
Vacuum PM =Vacuum readings with left grocery sub-header line at approximately 25% closed; right grocery sub-header line at approximately 75% closed; and VEPs at Gate Valve Position PM.

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Field Engineer(s): AL
Date : 09/20/22

Time Onsite: 8:30
Time Offsite: 13:30

Vapor Extraction Points						
VEP ID	Vacuum (IWC)	PID (ppb)	Air Flow Rate (cfm)	Temperature (°F)	Gate Valve Position AM	Gate Valve Position PM
VEP-1	53	114	61.11	78.4	OPEN	OPEN
VEP-2	57	132	26.33	78.5	OPEN	OPEN
VEP-3	55	115	52.76	76.5	OPEN	OPEN
VEP-4	54	163	27.86	77.9	CLOSED 25%	**CLOSED 15%**
VEP-5	55	125	32.72	77.4	OPEN	OPEN
VEP-6	56	155	33.87	77.7	CLOSED 25%	CLOSED 25%
VEP-7	58	352	20.71	76.6	CLOSED 50%	CLOSED 50%
VEP-8	18	607	27.19	76.2	CLOSED 50%	CLOSED 50%
VEP-9	57	280	52.09	79.7	OPEN	OPEN
VEP-10	53	233	39.64	79.6	OPEN	OPEN
VEP-11	58	137	22.05	76.3	OPEN	OPEN
VEP-12	59	215	47.11	75.8	OPEN	OPEN
VEP-13	55	196	52.60	77.2	CLOSED 25%	CLOSED 25%
VEP-14	53	171	34.01	74.0	CLOSED 25%	CLOSED 25%
VEP-15	55	209	38.19	74.9	OPEN	OPEN
VEP-16	58	174	42.80	76.1	OPEN	OPEN
VEP-17	56	165	29.06	75.9	CLOSED 25%	CLOSED 25%
VEP-18	1	22	22.36	78.9	CLOSED 85%	CLOSED 85%
VEP-19	4	125	18.47	80.0	CLOSED 85%	CLOSED 85%
VEP-20	4	55	19.28	81.8	CLOSED 10%	**CLOSED 35%**
VEP-21	24	161	33.44	80.0	OPEN	OPEN
VEP-22	25	170	53.37	79.8	CLOSED 50%	CLOSED 50%
VEP-23	4	37	23.27	80.3	CLOSED 10%	**CLOSED 35%**
VEP-24	4	66	38.88	81.7	CLOSED 35%	**CLOSED 60%**
VEP-25	26	348	90.55	74.0	OPEN	OPEN
VEP-26	23	382	60.79	74.3	CLOSED 30%	**CLOSED 55%**
VEP-27	5	7	12.56	74.8	CLOSED 35%	**CLOSED 60%**
VEP-28	3	36	18.97	74.4	CLOSED 10%	**CLOSED 35%**
VEP-29	6	111	27.40	79.4	OPEN	OPEN

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Vacuum Monitoring Points			
VMP ID	**PID (ppb)**	**Vacuum AM (IWC)**	**Vacuum PM (IWC)**
VMP-1	35	-0.032	-0.034
VMP-2	54	-0.015	-0.015
VMP-3	78	-0.060	-0.064
VMP-4	129	-0.018	-0.018
VMP-5	290	-0.026	-0.023
VMP-6	252	-0.638	-0.635
VMP-7	97	-0.074	-0.073
VMP-8	26	-0.112	-0.125
VMP-9	226	-12.810	-12.717
VMP-10	111	-0.495	-0.490
VMP-11	160	-0.185	-0.183
VMP-12	280	-0.096	-0.082
VMP-13	21	-0.137	-0.096
VMP-14	50	-0.360	-0.323
VMP-15	0	-0.166	-0.153
VMP-16	15	-0.001	-0.001

Process Equipment - Influent					
	Vacuum (IWC)	**PID (ppb)**	**Air Flow Rate (cfm)**	**Inline Filter ΔP (IWC)**	**Dilution Valve Position**
Blower 1	60	769	950	1.5	CLOSED
Blower 2	65				

Process Equipment - Effluent				
Location	**Pressure (IWC)**	**Air Flow Rate (cfm)**	**Temperature (°F)**	**PID (ppb)**
Blower 1	10	669	138	0
Blower 2	10		138	

Control Panel			
Location	**VFD Setpoint (Hz)**	**Operational Hours**	**Enclosure Temperature (°F)**
Blower 1	55.00	4513.6	130
Blower 2	55.00	4513.0	

NOTES:
NM = Not Measured
Gate Valve Position AM = position upon arrival to site, prior to any measurements or system adjustments.
Gate Valve Position PM = position after AM measurements and system adjustments have been made.
Vacuum AM = Vacuum readings with left grocery sub-header line at approximately 25% closed; right grocery sub-header line at approximately 75% closed; and VEPs at Gate Valve Position AM.
Vacuum PM =Vacuum readings with left grocery sub-header line at approximately 25% closed; right grocery sub-header line at approximately 75% closed; and VEPs at Gate Valve Position PM.

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Field Engineer(s): AL
Date : 10/28/22

Time Onsite: 8:00
Time Offsite: 14:00

Vapor Extraction Points						
VEP ID	Vacuum (IWC)	PID (ppb)	Air Flow Rate (cfm)	Temperature (°F)	Gate Valve Position AM	Gate Valve Position PM
VEP-1	60+	90	123.48	70.8	OPEN	OPEN
VEP-2	60+	80	75.00	75.9	OPEN	OPEN
VEP-3	60+	56	135.77	73.8	OPEN	OPEN
VEP-4	60+	177	83.00	64.3	CLOSED 15%	**OPEN**
VEP-5	60+	274	86.93	65.1	OPEN	OPEN
VEP-6	60+	255	84.11	64.4	CLOSED 25%	**OPEN**
VEP-7	60+	950	113.70	67.2	CLOSED 50%	CLOSED 50%
VEP-8	18	1632	60.30	67.3	CLOSED 50%	CLOSED 50%
VEP-9	60+	555	63.00	66.9	OPEN	OPEN
VEP-10	60+	331	95.50	66.0	OPEN	OPEN
VEP-11	60+	66	24.99	63.8	OPEN	OPEN
VEP-12	60+	129	181.88	61.1	OPEN	OPEN
VEP-13	60+	129	78.32	64.5	CLOSED 25%	CLOSED 25%
VEP-14	60+	0	61.74	61.8	CLOSED 25%	CLOSED 25%
VEP-15	60+	104	59.23	61.1	OPEN	OPEN
VEP-16	60+	90	134.59	61.1	OPEN	OPEN
VEP-17	60+	90	127.67	60.7	CLOSED 25%	CLOSED 25%
VEP-18	1	0	9.37	74.1	CLOSED 85%	CLOSED 85%
VEP-19	15	1448 [1]	29.20	72.2	CLOSED 85%	CLOSED 85%
VEP-20	11	3419 [1]	16.01	72.5	CLOSED 35%	CLOSED 35%
VEP-21	47	88	27.62	66.3	OPEN	OPEN
VEP-22	50	0	50.10	69.2	CLOSED 50%	CLOSED 50%
VEP-23	10	125	35.00	75.1	CLOSED 35%	CLOSED 35%
VEP-24	10	200	18.71	73.1	CLOSED 60%	CLOSED 60%
VEP-25	51	0	37.64	68.4	OPEN	OPEN
VEP-26	1	0	0.80	66.4	CLOSED 55%	CLOSED 55%
VEP-27	11	87	28.17	66.7	CLOSED 60%	CLOSED 60%
VEP-28	10	114	22.30	66.8	CLOSED 35%	CLOSED 35%
VEP-29	11	43	54.71	60.5	OPEN	OPEN

Vacuum Monitoring Points			
VMP ID	**PID (ppb)**	**Vacuum AM (IWC)**	**Vacuum PM (IWC)**
VMP-1	13	-0.030	-0.031
VMP-2	40	-0.005	-0.005
VMP-3	47	-0.040	-0.044
VMP-4	NM; damaged		
VMP-5	1739	-0.015	-0.010
VMP-6	0	NM; inaccessible	-0.627
VMP-7	1	-0.059	-0.059
VMP-8	0	-0.115	-0.115
VMP-9	0	-9.483	-9.364
VMP-10	30560 [2]	-0.281	-0.268
VMP-11	0	-0.100	-0.098
VMP-12	142	-0.055	-0.061
VMP-13	77	-0.052	-0.044
VMP-14	261	-0.243	-0.239
VMP-15	115	-0.106	-0.108
VMP-16	65	-0.001	0.000

Process Equipment - Influent					
	Vacuum (IWC)	**PID (ppb)**	**Air Flow Rate (cfm)**	**Inline Filter ΔP (IWC)**	**Dilution Valve Position**
Blower 1	70	26	900+	1	CLOSED
Blower 2	70				

Process Equipment - Effluent				
Location	**Pressure (IWC)**	**Air Flow Rate (cfm)**	**Temperature (°F)**	**PID (ppb)**
Blower 1	5	619.38	127.33	38
Blower 2	5			

Control Panel			
Location	**VFD Setpoint (Hz)**	**Operational Hours**	**Enclosure Temperature (°F)**
Blower 1	55.00	5425.5	70
Blower 2	55.00	5424.9	

NOTES:
NM = Not Measured
Gate Valve Position AM = position upon arrival to site, prior to any measurements or system adjustments.
Gate Valve Position PM = position after AM measurements and system adjustments have been made.
Vacuum AM = Vacuum readings with left grocery sub-header line at approximately 25% closed; right grocery sub-header line at approximately 75% closed; and VEPs at Gate Valve Position AM.
Vacuum PM =Vacuum readings with all sub-header lines at approximately 25% closed, with the exception of the right grocery sub-header line which is at approximately 75% closed; and VEPs at Gate Valve Position PM.
[1] = Cleaning products recently used in grocery basmenet space.
[2] = Spray paint used to depote VMP-10 in dry cleaner space during equipment removal and wall demolition.

Appendix K
SSDS Inspection Form
990-1026 Rossville Avenue
Staten Island, New York
Langan Project No. 100849501

Field Engineer(s): AL
Date : 01/06/23

Time Onsite: 8:00
Time Offsite: 16:30

Vapor Extraction Points						
VEP ID	Vacuum (IWC)	PID (ppb)	Air Flow Rate (cfm)	Temperature (°F)	Gate Valve Position AM	Gate Valve Position PM
VEP-1	60+	99	67.15	67.8	OPEN	OPEN
VEP-2	60+	139	53.91	72.6	OPEN	OPEN
VEP-3	60+	80	49.82	69.0	OPEN	OPEN
VEP-4	60+	146	25.16	66.0	OPEN	**CLOSED 25%**
VEP-5	60+	0	22.30	68.1	OPEN	OPEN
VEP-6	60+	0	32.02	68.5	OPEN	**CLOSED 25%**
VEP-7	60+	120	55.47	65.2	CLOSED 50%	CLOSED 50%
VEP-8	12	121	33.63	63.5	CLOSED 50%	CLOSED 50%
VEP-9	60+	25	48.33	62.1	OPEN	OPEN
VEP-10	60+	0	30.96	60.0	OPEN	OPEN
VEP-11	60+	214	21.01	61.9	OPEN	OPEN
VEP-12	60+	304	72.79	63.9	OPEN	OPEN
VEP-13	60+	274	89.08	61.3	CLOSED 25%	CLOSED 25%
VEP-14	60+	305	64.22	65.0	CLOSED 25%	**OPEN**
VEP-15	60+	205	76.45	65.8	OPEN	OPEN
VEP-16	60+	326	20.15	66.4	OPEN	OPEN
VEP-17	60+	290	43.47	63.9	CLOSED 25%	CLOSED 25%
VEP-18	4	72	10.27	68.6	CLOSED 85%	**CLOSED 60%**
VEP-19	37	260	21.71	68.3	CLOSED 85%	**CLOSED 35%**
VEP-20	18	392	18.71	69.5	CLOSED 35%	**CLOSED 10%**
VEP-21	60+	410	43.05	64.0	OPEN	OPEN
VEP-22	60+	327	42.11	59.7	CLOSED 50%	**CLOSED 35%**
VEP-23	16	694	12.70	65.6	CLOSED 35%	**CLOSED 10%**
VEP-24	13	438	46.89	68.4	CLOSED 60%	**CLOSED 35%**
VEP-25	60+	233	24.99	58.2	OPEN	OPEN
VEP-26	0	199	0.60	65.7	CLOSED 55%	**CLOSED 30%**
VEP-27	17	119	19.02	59.0	CLOSED 60%	**CLOSED 35%**
VEP-28	15	90	16.04	59.9	CLOSED 35%	**CLOSED 10%**
VEP-29	18	186	NM; inaccessible due to new construction		OPEN	OPEN

LANGAN

Vacuum Monitoring Points			
VMP ID	**PID (ppb)**	**Vacuum AM (IWC)**	**Vacuum PM (IWC)**
VMP-1	4	-0.018	-0.020
VMP-2	32	-0.005	-0.007
VMP-3	55	-0.023	-0.027
VMP-4	NM; damaged		
VMP-5	61	-0.013	-0.007
VMP-6	0	-0.689	-0.674
VMP-7	170	-0.041	-0.042
VMP-8	0	-0.004	-0.004
VMP-9	NM; covered by new concrete pad		
VMP-10	46	-0.062	-0.248
VMP-11	145	-0.030	-0.025
VMP-12	130	-0.084	-0.084
VMP-13	87	-0.043	-0.070
VMP-14	93	-0.153	-0.179
VMP-15	60	-0.068	-0.143
VMP-16	111	0.000	0.000

Process Equipment - Influent					
	Vacuum (IWC)	**PID (ppb)**	**Air Flow Rate (cfm)**	**Inline Filter ΔP (IWC)**	**Dilution Valve Position**
Blower 1	75	105	900+	1.5	CLOSED
Blower 2	80				

Process Equipment - Effluent				
Location	**Pressure (IWC)**	**Air Flow Rate (cfm)**	**Temperature (°F)**	**PID (ppb)**
Blower 1	5	546.19	100.7	37
Blower 2	5			

Control Panel			
Location	**VFD Setpoint (Hz)**	**Operational Hours**	**Enclosure Temperature (°F)**
Blower 1	55.00	7008.1	70
Blower 2	55.00	7007.6	

NOTES:
NM = Not Measured
Gate Valve Position AM = position upon arrival to site, prior to any measurements or system adjustments.
Gate Valve Position PM = position after AM measurements and system adjustments have been made.
Vacuum AM = Vacuum readings with all sub-header lines at approximately 25% closed, with the exception of the right grocery sub-header line which is at approximately 75% closed; and VEPs at Gate Valve Position AM.
Vacuum PM =Vacuum readings with left grocery sub-header line at approximately 50% closed; right grocery sub-header line at approximately 75% closed; all other sub-header valves fully open; and VEPs at Gate Valve Position PM.

APPENDIX L

System Component Manuals

LANGAN

Gasho
SINCE 1982
The Leader in Blower & Vacuum Solutions

Submittal Documentation

For:

PENNINGTON ENVIROMENTAL

2212 SAYLORS PON ROAD
SPRINGFIELD, NJ 08041

Signed Contract

Equipment Description: DUAL AMETEK Model DR909,
15 HP, TEFC Motor,
Dilution Valve Assembly, Vac & Press Gauges,
Sound Enclosure & Control Panel

Supplier:
Gasho, Inc.
460 West Gay Street
West Chester, PA 19380

Rev A, 9/10/20

JG20H-3472

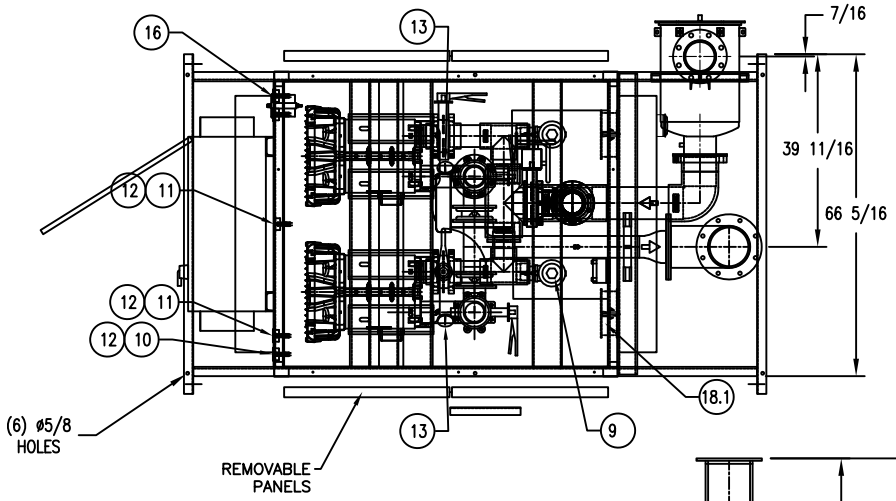
DUAL SSDS

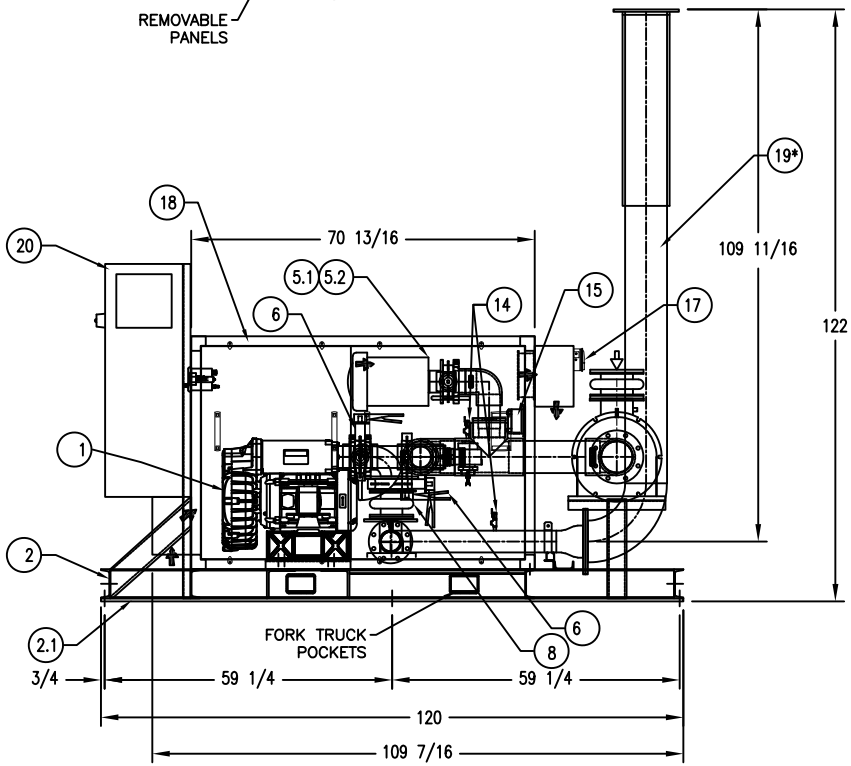
Gasho, Inc.

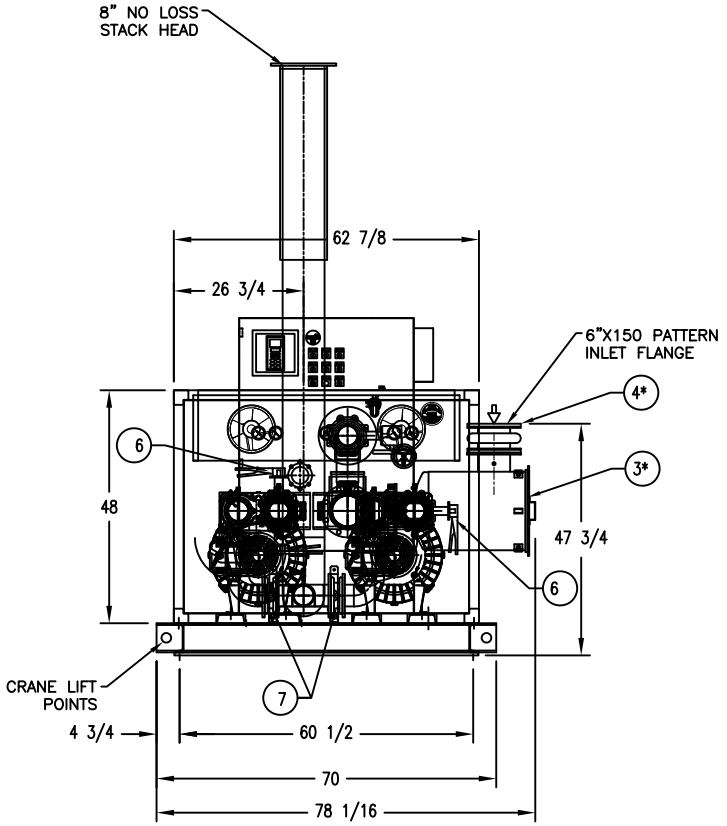
Blower Package
JG20H-3472
Dual SSDS DR909

Description	Date	Revision
Customer Review Changes	9/10/2020	A
#200424JG.1 Pennington Envi		
Total flow 886 scfm at 45" H2O		
Each Blower 443 scfm at 45" H20 vacuum		

Item	Qty.	Supplier	Description	Part Number	Gasho Part Number	Misc ID	Weight
1	2	Ametek Rotron	Regenerative Blower	DR909BE72W	BLW-DR909BE72W-0000	81737	800
	2			15hp Motor Rated for VFD			
2	1	Gasho	Base Weldment	Custom			610
2.1	1	Gasho	Vibration Mat	GVM4X6	GVM-4.0X6.0-0000		215
3*	1	Solberg	6" inline filter	CSL-275P-600F	FIL-SL2-6.0-F-1070		98
4*	1	Proco	6" flanged Flex Connector	6 X 6 240 AV/EE	FLSE-6.00F-0000		16
5	1	Gasho	4" Inlet Dilution valve assembly				
5.1	1	Universal	4" Dilution Filter	34-K04-AAP, CCS-4	FS-UN-4.0-P-3001		43
5.2	1	Process Piping	4" gear operated BFV	VF730-221-3, 4",	VBF-4.00W-IEG-0100		20
6	4	Process Piping	4" BFV lever	VF730-221-2, 4",	VBF-4.00W-IEL-0100		80
7	2	US Valve	4" Check valve	07-1-0B (4)	CKV-4.00-T-C-AB-0101	Wafer style	30
8	2	Proco	4: flanged Flex Connector	4 X 6 240 AV/EE	FLSE-4.00F-0000		32
9	2	Tuthill	2.5" Relief Valve	1362-7	RV-2.50-V-S-0014	Set 80" WC	22
10	3	Dwyer	Vacuum Gauges	2-5100		100 IWC flanged	2
11	2	Gasho	Pressure Gauge	LP4-254-160"/PSI	GP-2.5-0-06/160-2000	160" IWC flanged	2
12	5	Gasho	Gauge Cocks	025-4F4M-BT	VIS-0.25-FM-B-0000		1
13	2	Gasho	Temperature Gauges	B3B2-RR	GT-3.0-0-50550F-1005		2
14	3	Gasho	Sample Ports	025-4F4B-BT	VSP-0.25-FB-B-0000		1
15	1	Dwyer	Low Vacuum Switch	1950 P-20-2F	SW-D7-4.0/20.0W-0000	set 7"H2O DECR	5
16	1	Jumo	Temperatuere Switch / Gauge	608523	SW-T4-0.0/200C-0300	enclosure temperatu	5
17	1	Dwyer	Magnehelic	2020	GD-4.0-0-020WC-1000	DP across Inline filter	2
18	1	Accoustic Group	Outdoor Sound Enclosure	84LX78WX70H	ERM-84X78X70-3460		410
18.1	2	McMaster	Ventilation fan, 120V	1976K98	FAN-MC-550-10.0-5000		5
18.2	2	McMaster	Fan Cord	19155K142	P-MC-19155K1		1
19*	1	Gasho	Discharge stack	Custom	Custom	6"x8" flange, 10' LG	256
19.1*	1	US Duct	No Loss Stack Head	Item # **SNL-USDuct** 8"	Custom	CS	
20	1	ICP	Control Panel	Custom		208 / 3 / 60	325
20.1	2	Yaskawa	15hp VFD, 208v	CIMR-VU2A0056FAA			
900	1	Dwyer	Flow Meter Probe	DS300-6	MQ-DW-0006	6" Pipe	2
901	1	Dwyer	Magnehelic FM Gauge	2SQRT	Per Quote - 682000, 8/17	40"WC, 560CFM	2
		* Items ship loose					2987







NOTES:
1. CUSTOMER PIPING TO BE INDEPENDENTLY SUPPORTED
2. PACKAGE IS TO BE MOUNTED SECURELY TO A LEVEL SURFACE OR PAD
3. TOLERANCE ± 1/2"
4. (DIM) ARE CRITICAL DIMENSIONS

5. * ITEMS ARE SHIPPED LOOSE
6. SPREADER BARS MUST BE USED WHEN LIFTING BY CRANE TO AVOID DAMAGE TO THE ENCLOSURE.
7. ITEM 19 STACK TO BE SHIPPED LOOSE, INSTALLED AND SECURED TO SOME STRUCTURE BY CUSTOMER.

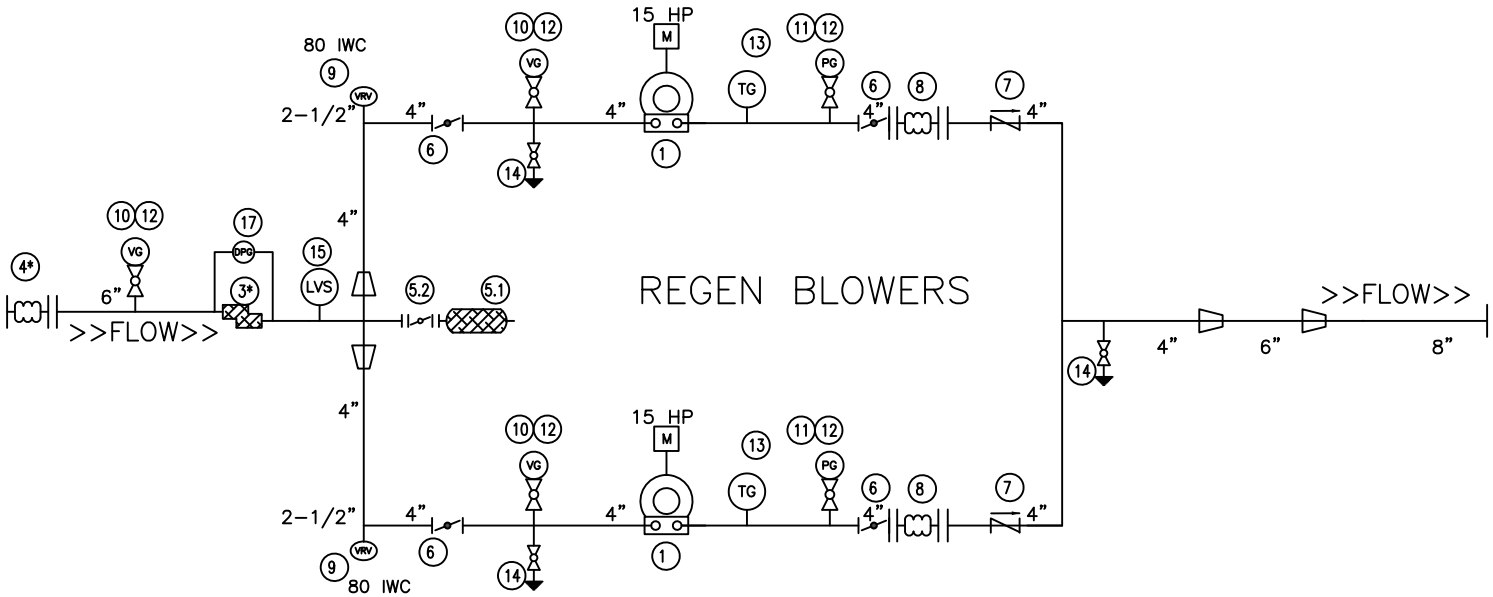
REV.	DATE	DESCRIPTION
A	9/3 2020	ADDED ADD'L ITEM 14

DRAWN BY: JJH	DATE 7/18/20
APPROVED BY:	DATE
DIMENSIONS IN INCHES	
SCALE NA	
TOLERANCE ±1/2"	ANGULAR TOLERANCE
MATERIAL	WEIGHT 3400
SHEET 1 OF 2	

J.E.GASHO & Assoc., Inc.
460 W. GAY ST.
WEST CHESTER, PENNSYLVANIA 19380

DUAL BLOWER PKG
DR909BE72W WITH
ENCL & CNTRL PNL

JG20-G-3472 | A



LEGEND

- M — ELECTRIC MOTOR
- I — ELECTRIC INTERLOCK
- SS — STOP/START STATION (LOCAL)
- BLOWER
- FI — FLOW INDICATOR
- PSH — PRES. SWITCH HIGH
- VSH — VACUUM SWITCH HIGH
- TSH — TEMP. SWITCH HIGH
- DPSH — DIFF. PRES. SWITCH HIGH
- PT — PRESSURE XMTR
- LSHH — LEVEL SWITCH HIGH HIGH
- LSH — LEVEL SWITCH HIGH
- LSL — LEVEL SWITCH LOW
- TG — TEMPERATURE GAUGE
- TC — THERMO COUPLE
- VG — VACUUM GAUGE
- PG — PRESSURE GAUGE
- DPG — DIFFERENTIAL PRESSURE GAUGE
- VRV — VACUUM RELIEF VALVE
- PRV — PRESSURE RELIEF VALVE
- BUTTERFLY VALVE (MANUAL)
- CHECK VALVE
- INLINE FILTER
- DISCHARGE SILENCER
- INLET SILENCER
- SAMPLE PORT
- FLEXIBLE CONNECTOR
- AFTERCOOLER

NOTES:
1. CUSTOMER PIPING TO BE INDEPENDENTLY SUPPORTED
2. PACKAGE IS TO BE MOUNTED SECURELY TO A LEVEL CONCRETE PAD
3. TOLERANCE ± 1/2"
4. (DIM) ARE CRITICAL DIMENSIONS
5. * ITEMS ARE SHIPPED LOOSE
6. SPREADER BARS MUST BE USED WHEN LIFTING BY CRANE TO AVOID DAMAGE TO THE ENCLOSURE.
7. ITEM 19 STACK TO BE INSTALLED AND SECURED TO SOME STRUCTURE BY CUSTOMER.

REV.	DATE	DESCRIPTION
A	9/3 2020	ADDED ADD'L ITEM 10, 14

DRAWN BY: JJH — DATE: 7/18/20
APPROVED BY: — DATE:
DIMENSIONS IN INCHES
SCALE: NA
TOLERANCE: ±1/2" — ANGULAR TOLERANCE:
MATERIAL: — WEIGHT: 3000
SHEET 2 OF 2

J.E.GASHO & Assoc., Inc.
460 W. GAY ST.
WEST CHESTER, PENNSYLVANIA 19380

DUAL BLOWER P&ID DR909BE72W WITH ENCL & CNTRL PNL

JG20-G-3472 | A

Industrial / Chemical Processing Blowers

DR 909 & CP 909

ROTRON®

10.0 / 15.0 HP Regenerative Blower

FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- CE compliant - Declaration of Conformity on file
- Maximum flow: 600 SCFM
- Maximum pressure: 137 IWG
- Maximum vacuum: 106 IWG
- Standard motor: 15 HP, TEFC
- Cast aluminum blower housing, impeller & cover; cast iron flanges (threaded)
- UL & CSA approved motor with permanently sealed ball bearings
- Inlet & outlet internal muffling
- Quiet operation within OSHA standards when properly piped and muffled

MOTOR OPTIONS

- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

BLOWER OPTIONS

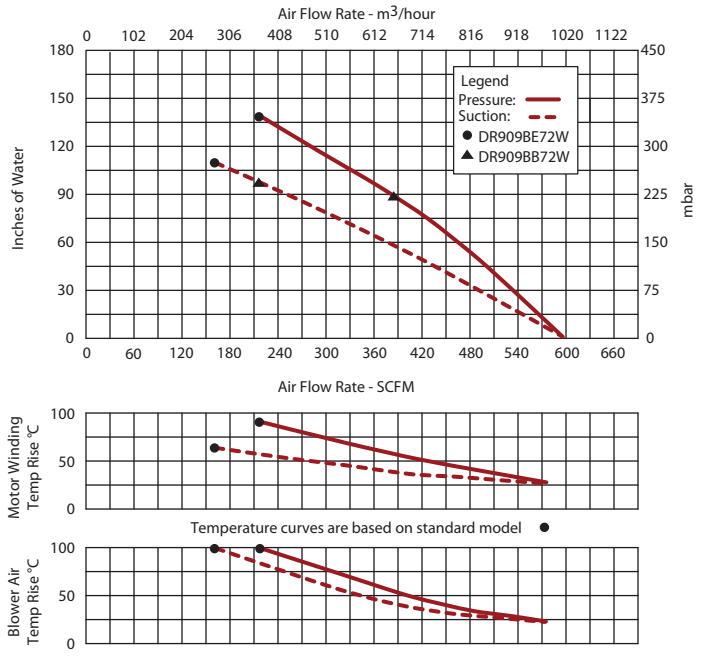
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

ACCESSORIES

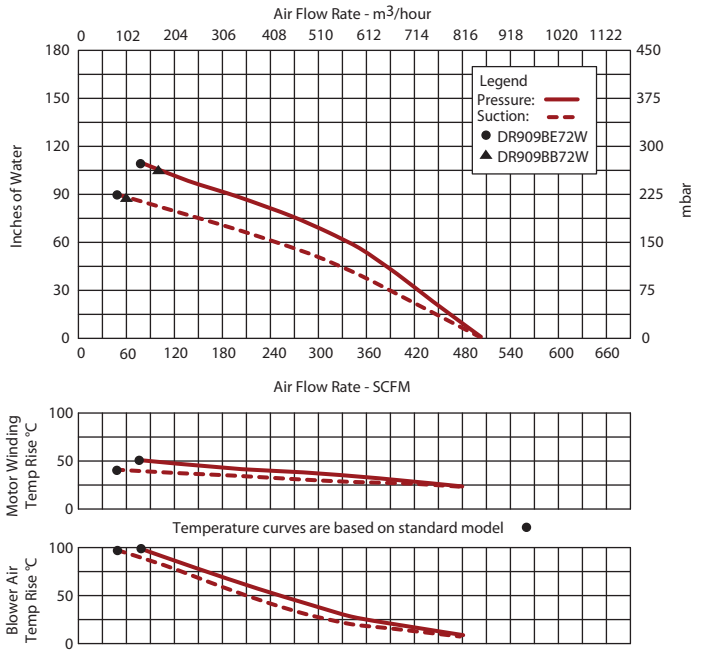
- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches - air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

Blower Performance at Standard Conditions

60 Hz



50 Hz



This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

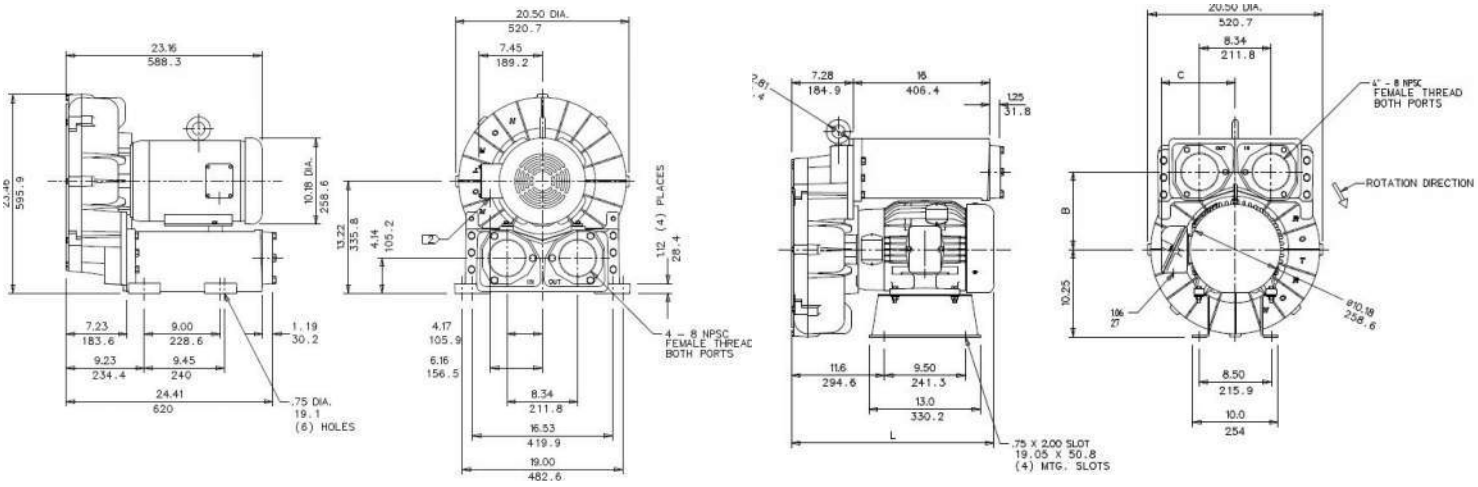
AMETEK DYNAMIC FLUID SOLUTIONS
75 North Street, Saugerties, NY 12477
USA: +1 215-256-6601 - Europe: +49 7703 930909 - Asia: +86 21 5763 1258
Customer Service Fax: +1 215.256.1338
www.ametekdfs.com

AMETEK®
PRECISION MOTION CONTROL
DYNAMIC FLUID SOLUTIONS

DR 909 & CP 909

ROTRON®

10.0 / 15.0 HP Regenerative Blower



IN
MM

NOTES
1 TERMINAL BOX CONNECTOR HOLE 1.25 (31.8) DIA.
2 DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
3 CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

MODEL	L(IN/MM)	B(IN/MM)	C(IN/MM)
DR909BE72W	23.57/598.7	8.75/222.3	8.56/217.4
DR909BB72W	23.38/593.8	9.0/228.6	7.69/195.3

Specification	Units	Part/ Model Number					
		DR909BE72W	DR909BE86W	DR909BB72W	DR909BB86W	CP909FJ72WLR	HiE909BE72W
		081737	081739	081738	081744	038632	081735
Motor Enclosure - Shaft Mtl.	-	TEFC-CS	TEFC-CS	TEFC-CS	TEFC-CS	CHEM TEFC-SS	TEFC-CS
Horsepower	-	15	15	10	10	15	10
Voltage	AC	208-230/460	575	230/460	575	208-230/460	208-230/460
Phase - Frequency	-	Three-60 hz	Three-60 hz	Three - 60 Hz	Three-60 hz	Three-60 hz	Three-60 hz
Insulation Class	-	F	F	F	F	F	F
NEMA Rated Motor Amps	Amps (A)	41.5-37.6/18.8	14.6	26/13	10.5	41.5-37.6/18.8	41.5-37.6/18.8
Service Factor	-	1.15	1.15	1.15	1.15	1.15	1.15
Max. Blower Amps	Amps (A)	42/21	17	34/17	13.0	42/21	42/21
Locked Rotor Amps	Amps (A)	318/159	164	162/81	65	318/159	318/159
NEMA Starter Size	-	2/2	2	2/1	1	2/2	2/2
Shipping Weight	Lbs	400	400	400	400	400	400
	Kg	181.4	181.4	181.4	181.4	181.4	181.4
Model (Base Mount)	-	DR909BE72X	DR909BE86X	DR909BB72X	DR909BB86X		
Part Number (Base Mount)	-	038622	038626	038623	080183		

Voltage - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

Operating Temperatures - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

Maximum Blower Amps - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

AMETEK DYNAMIC FLUID SOLUTIONS
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Customer Service Fax: +1 215.256.1338
www.ametekdfs.com

AMETEK®
PRECISION MOTION CONTROL
DYNAMIC FLUID SOLUTIONS

RUBBER MAT, BLACK, 4 FT. X 6 FT. X 3/4 IN.

This Rubber Mat is ideal for agricultural, commercial and sporting uses. The anti-skid surface is safe and comfortable. Mats can be cut or interlocked, glued or fastened to any surface.

- 4 ft. x 6 ft. x 3/4 in.
- Heavy-duty 100% recycled rubber
- Insulating properties
- Noise and vibration absorbent
- Surface pattern may vary by location
- 5 year limited warranty

Specification	Description
Material:	100% Recycled Rubber
Product Length:	72 in.
Product Thickness:	3/4 in.
Product Type:	Rubber Matting
Product Width:	48 in.
Warranty:	5-Year Limited
Manufacturer Part Number	

SOLBERG®
Filtration • Separation• Silencing

“L” Style Vacuum Filters

CSL Series 3” - 12”

Benefits

- Reduce piping costs with multiple mounting configurations (mount horizontal or inverted)
- Minimize equipment pressure-drop change with low pressure-drop filter design

Features

- Heavy duty T bolts for easy maintenance
- Corrosive resistant black powder coat carbon steel
- O-ring stays in place with unique U-channel groove
- Inlet & outlet ¼” gauge taps

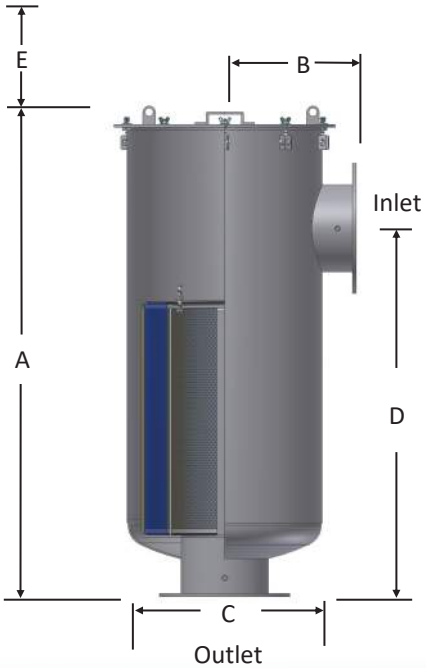
Technical Specifications

- Vacuum Rating: medium vacuum service*
- Filter change out differential: 15-20” H_2O over initial ΔP
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

Options

ATEX Available

- Straight-through configurations
- Various filter media
- Stainless steel
- Various nonstandard finishes and connection styles
- ISO Flange (contact factory for specs, sizes & availability)
- Flange faces free of paint
- Internal surfaces free of paint
- Lifting lugs
- Brackets for optional support legs
- Mounting housing bands
- Nameplate bracket



*See Vacuum Filter Technical Data for vacuum service data.

Rev: CSL 3-12-US1911K

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sales@solbergmfg.com

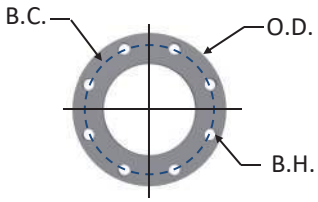
CSL Series 3” - 12”

Flanged Assemblies

Flange Inlet & Outlet	Assembly SCFM Rating	Assembly Part Number		Dimensions - inches				Suggested Service ht. E	Approx. Weight lbs	Replacement Element Part No.		Element SCFM Rating
		Polyester	Paper	A	B	C	D			Polyester	Paper	
4”	520	CSL-235P-400F	CSL-234P-400F	27 ⅜	9	14	18 ½	15”	62	235P	234P	570
4”	520	CSL-335P-400F	CSL-334P-400F	27 ⅜	9	14	18 ½	20”	64	335P	334P	800
5”	800	CSL-245P-500F	CSL-244P-500F	28 ¼	11	18 ½	19 ½	15”	88	245P	244P	880
5”	800	CSL-345P-500F	CSL-344P-500F	28 ¼	11	18 ½	19 ½	20”	90	345P	344P	1100
6”	1100	CSL-275P-600F	CSL-274P-600F	29 ¼	12	18 ½	20 ½	15”	110	275P	274P	1100
6”	1100	CSL-375P-600F	CSL-374P-600F	29 ¼	12	18 ½	20 ½	20”	113	375P	374P	1500
8"	1800	CSL-377P-800F	CSL-376P-800F	39 ⅛	14	22 ½	25 ½	20”	185	377P	376P	1825
10"	2900	CSL-685P-1000F	CSL-384P(2)-1000F*	57 ½	16	27	45	33”	380	685P	384P (2)	6600
12"	4950	CSL-485P(2)-1200F*	CSL-484P(2)-1200F*	70 ¼	16	27	57	25”	465	485P (2)	484P (2)	9410

See Vacuum Filter Technical Data for sizing guidelines. *Denotes 2 elements stacked in housing.

125/150# Pattern Flange	Dimensions - inches			No. of Holes	Flange Thickness
	O.D.	B.C.	B.H.		
4”	9	7 ½	0.75	8	0.38
5”	10	8 ½	0.88	8	0.38
6”	11	9 ½	0.88	8	0.38
8"	13 ½	11 ¾	0.88	8	0.38
10"	16	14 ¼	1	12	0.38
12"	19	17	1	12	0.50



All flanges are orientated “split center”.

MPT Assemblies

MPT Inlet & Outlet	Assembly SCFM Rating	Assembly Part Number		Dimensions - inches				Suggested Service ht. E	Approx. Weight lbs	Replacement Element Part No.		Element SCFM Rating
		Polyester	Paper	A	B	C	D			Polyester	Paper	
3”	300	CSL-235P-300	CSL-234P-300	27 ⅜	9	14	18 ½	10”	47	235P	234P	570
3”	300	CSL-335P-300	CSL-334P-300	27 ⅜	9	14	18 ½	15”	50	335P	334P	800
4”	520	CSL-235P-400	CSL-234P-400	27 ⅜	9	14	18 ½	10”	52	235P	234P	570
4”	520	CSL-335P-400	CSL-334P-400	27 ⅜	9	14	18 ½	15”	55	335P	334P	800
5”	800	CSL-245P-500	CSL-244P-500	28 ¼	11	18 ½	19 ½	10”	82	245P	244P	880
5”	800	CSL-345P-500	CSL-344P-500	28 ¼	11	18 ½	19 ½	15”	88	345P	344P	1100
6”	1100	CSL-275P-600	CSL-274P-600	29 ¼	12	18 ½	20 ½	10”	95	275P	274P	1100
6”	1100	CSL-375P-600	CSL-374P-600	29 ¼	12	18 ½	20 ½	15”	97	375P	374P	1500

See Vacuum Filter Technical Data for sizing guidelines.

All model offerings and design parameters are subject to change without prior notice.
Contact your representative or Solberg for the most current information.

SOLBERG®
Filtration & Separation

Technical Data

Inlet Vacuum Filters

Applications & Equipment

- Industrial & Severe Duty
- Vacuum Pumps & Systems: Roots, Rotary Vane, Screw, Piston
- Vacuum Packaging Equipment
- Vacuum Furnace
- Blowers: Side Channel & P.D.
- Vacuum Lifters
- Intake Suction Filters
- Food Industry
- Woodworking/Routers
- Ash Handling
- Printing Industry
- Medical/Hospital
- Remote Installations for Piston & Screw Compressors
- Paper Processing
- Waste Water Aeration
- Cement Processing
- Bag House Systems
- Vacuum Vent Breathers
- Chemical Processing
- Factory Automation Equipment
- Leak Detection Systems

Identification

Standard Solberg assemblies should have an identification label/nameplate that gives the following information:

- Assembly Model #
- Replacement Element #

The part number designates the filter type, the element configuration and housing connection size. For example, the following part number identifies the filter as being a “CSL” design filter with a “235” element, “P” prefilter and 4” flange connection size.

CSL-235P-400F

- Connection Size and Type
- Replacement Element Part Number
- Filter Type

Vacuum Service Rating Chart

Threaded vacuum filter connections must be free of defect and properly sealed to achieve deeper vacuum levels. Vacuum service levels are given for reference only and serve as a guideline for product selection. Product certification and alternative designs are available for applications requiring deeper vacuum levels and specific leak rates. Please contact factory for details.

Vacuum Level	Pressure (mbar)	Pressure (Torr)	Pressure (Pa)
Atmospheric Pressure	1013	760	$1.013x10^{+5}$
Coarse Vacuum	1013 to 33	760 to 25	$1x10^{+5}$ to $3x10^{+3}$
Medium Vacuum	33 to $1.3x10^{-3}$	25 to $1x10^{-3}$	$3x10^{+3}$ to $1x10^{-1}$
High Vacuum	$1.3x10^{-3}$ to $1.3x10^{-9}$	$1x10^{-3}$ to $1x10^{-9}$	$1x10^{-1}$ to $1x10^{-7}$

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sales@solbergmfg.com

Inlet Vacuum Filters

Choosing the Best Filter for Your Equipment

A. When the connection & airflow is known:

1. select the appropriate connection style. (i.e.: MPT, Flange, NPSC, etc.)
2. check assembly SCFM (flow) rating. Compare with your required airflow.

(Note: Assembly flow ratings are based on 6,000 FPM or 30m/sec for a given connection size to achieve low pressure drop performance. When required flow exceeds assembly flow rating, the pressure drop through the outlet connection will increase. In such cases select by element SCFM (flow) rating.)

3. when required flow rating matches connection size; skip to "C. Selecting Elements".

B. When the connection size is unknown, flexible, or the required flow rating exceeds assembly flow rating:

1. match required flow rating with the element flow rating.
2. choose related connection size.

C. Selecting Elements: The filter performance is influenced by the actual application duty and the equipment it is installed on. Regular maintenance checks and proper servicing is required.

Application Duty Descriptions:

Industrial Duty: clean workshop or clean outdoor environment - small element sizing is sufficient.

Severe Duty: dirty workshop, wastewater – medium to large element is recommended.

Extreme Duty: cement, steel making, plastics or dusty material conveying – largest element sizing is recommended.

1. Select media required by your application. Options include:
    a. Standard media
        1. Polyester: all purpose; withstands pulses, moisture, and oily air
        2. Paper: mostly dry, smooth flow applications
    b. Special Media: for a variety of micron levels and media types, see the "Filter Media Specifications" in the Replacement Element Section or contact Solberg.
2. Select element size by matching the element with the anticipated duty and upsize accordingly.

Filter Assembly Maintenance

Request the appropriate maintenance manual for more in-depth information from your Solberg representative or on our website www.solbergmfg.com.

Element Maintenance

Solberg elements should be replaced once the pressure drop reaches 15-20" H_2O above the initial pressure drop of the installation. Cleaning the element is also an option.

Solberg recommends replacing dirty elements for optimal performance. Any damage which results from by-pass or additional pressure drop created by element cleaning is the sole responsibility of the operator.

Note: The overall performance of a filter element is altered once cleaned. The initial pressure drop after subsequent cleanings will be greater than the original, clean pressure drop of the element. After each cleaning, the pressure drop will continue to increase. Under all circumstances, the initial pressure drop of the element needs to be maintained at less than 15" H_2O.

If the pressure drop exceeds 20" H_2O at start-up; it should be replaced with a new element. With many types of equipment, the maximum pressure drop allowed will be dictated by the ability of the equipment to perform to its rated capacity. Under all circumstances, the operator should avoid exceeding the manufacturer's recommended maximum pressure drop for their specific equipment.

All model offerings and design parameters are subject to change without prior notice.
Contact your representative or Solberg for the most current information.

PROCO

The Expansion Joint and Check Valve People

Molded Spherical Joints Style 240/242

Proco Style 240/242 Molded Spherical Joints

Proco Style 240/242 Spherical Molded Expansion Joints are designed for piping systems to absorb pipe movements, relieve stress, reduce system noise/vibration, compensate for misalignment/offset and to protect rotating mechanical equipment against start-up surge forces.

The molded style 240 single sphere and 242 twin sphere designed bellows are inherently stronger than the conventional hand-built style spool arch type. Internal pressure within a "sphere" is exerted in all directions, distributing forces evenly over a larger area. The spherical design "flowing arch" reduces turbulence and sediment buildup.

Features and Benefits:

Absorbs Directional Movement

Thermal movements appear in any rigid pipe system due to temperature changes. The Style 240 and Style 242 spherical arch expansion joints allow for axial compression or axial extension, lateral deflection as well as angular movement. (Note: Rated movements in this publication are based on single plane movements. Multiple movement conditions are based on a multiple movement calculation. Contact Proco for information when designing multiple pipe movements.)

Easy Installation with Rotating Metallic Flanges

The floating metallic flanges freely rotate on the bellows, compensating for mating flange misalignment, thus speeding up installation time. Gaskets are not required with the Style 240 or Style 242, provided the expansion joints are mated against a flat face flange as required in the installation instructions.

Flange Materials/Drilling

The Proco Style 240 and Style 242 molded expansion joints are furnished complete with plated carbon steel flanges for corrosion protection. 304 or 316 stainless steel flanges are available upon request as well as ANSI 250/300 lb., BS-10, DIN PN10 & PN16 and JIS-10K drilling.

Absorbs Vibration, Noise and Shock

The Proco Style 240 and Style 242 molded expansion joints effectively dampen and insulate downstream piping against the transmission of noise and vibration generated by mechanical equipment. Noise and vibration caused by equipment can cause stress in pipe, pipe guides, anchors and other equipment downstream. Water hammer and pumping impulses can also cause strain, stress or shock to a piping system. Install the Style 240 or Style 242 molded expansion joints to help compensate for these system pressure spikes.

Wide Service Range with Low Cost

Engineered to operate up to 300 PSIG or 265°F, the Proco Style 240 and Style 242 can be specified for a wide range of piping requirements. Compared to conventional hand-built spool type joints, you will invest less money when specifying the mass-produced, consistent high quality, molded single or twin sphere expansion joints.

Material Identification

All Style 240 or Style 242 molded expansion joints have branded elastomer designations. Neoprene Tube/Neoprene Cover (NN) and Nitrile Tube/Neoprene Cover (NP) elastomer designated joints meet the Coast Guard Requirements and conform to ASTM F1123-87. 240C/NP-9 joints have ABS certification.

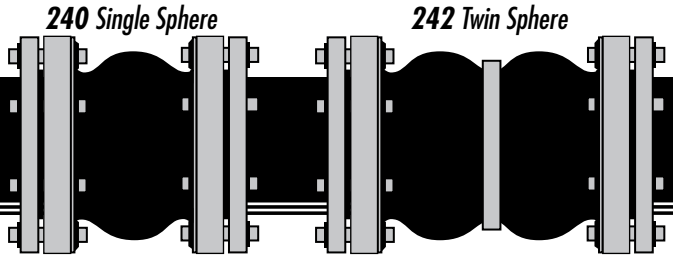
Large Inventory

Proco Products, Inc. maintains one of the largest inventories of rubber expansion joints in the world. Please contact us for price and availability.

Table 1: Available Styles • Materials

For Specific Elastomer Recommendations, See: **PROCO** "Chemical To Elastomer Guide"

240-A	240-C	240-AV,D,E,M [11]	242-A,B,C	PROCO Material Code	Cover Elastomer [1]	Tube Elastomer [2]	Max-imum Operating Temp. °F	Identifying Color Band/Label
		X	X	/BB[3]	Chlorobutyl	Chlorobutyl	250°	Black
		X	X	/EE[2,3,7]	EPDM	EPDM	250°	Red
X	X			/EE[2,3,4]	EPDM	FDA-EPDM	250°	Red
		X		/EQ[2,3]	EPDM	FDA-EPDM	250°	Red
X	X			/EE-9[3,5]	EPDM	EPDM	265°	DBL Red
	X			/HH	CSM	CSM	212°	Green
		X	X	/NH	Neoprene	CSM	212°	Green
	X			/NJ[2]	Neoprene	FDA-Nitrile	212°	White
	X	X	X	/NN[7]	Neoprene	Neoprene	225°	Blue
X	X	X	X	/NP	Neoprene	Nitrile	212°	Yellow
X	X			/NP-9[6]	Neoprene	Nitrile-ABS	212°	DBL Yellow



Protecting Piping and Equipment Systems from Stress/Motion

Notes: All Products are reinforced with Nylon Tire Cord, except 240-A and 240-C which are reinforced with Polyester.

1. *All NN & NP elastomer designated joints meet the Coast Guard Requirements and conform to ASTM F 1123-87 and are marked accordingly.*
2. *Branding Label will be marked as "Food Grade".*
3. *BB, EE or EE-9 are good for 300°F blower service at 20 PSI or less.*
4. *240-A & 240-C expansion joints have black EPDM tube, but are FDA compliant.*
5. *EE-9 joints are peroxide cured.*
6. *NP-9 joints have ABS certification.*
7. *Elastomers are in accordance with NSF/ANSI 372, File MH47689 Und. Lab. Classified.*
8. *All elastomers above are not intended for steam service.*
9. *For PTFE lined single sphere see www.procoproducts.com/ptfelined.html*
10. *For 240A & 240C Rubber Joints, Vacuum Support devices are available. Published movements will be reduced by approximately 50% for this option.*
11. *Series 240AV,D,E&M + 242A,B&C In Elastomers EPDM & Neoprene are all listed for low lead content in accordance with NSF/ANSI 372*

Information subject to change without notice.

Style 240 Single Sphere Performance Data

Table 2: Sizes • Movements • Pressures • Flange Standards • Weights

NOMINAL Pipe Size I.D.	Neutral Length	PROCO Style Number [1]	240 Movement Capability: From Neutral Position (Non-Concurrent) [2]					Pressure [4]		Standard Flange Drilling Dimensions [8]					Weight in lbs	
			Axial Compression Inches	Axial Extension Inches	Lateral Deflection Inches	Angular Deflection Degrees	Thrust Factor [3]	Positive PSIG [5,9]	Vacuum [6] Inches of Hg	Flange O.D. Inches	Bolt Circle Inches	Number of Holes	Size of Holes Inches	Bolt Hole [7] Thread	Exp. Joint & Flanges	Control Unit Set (2 Rod)
6 (150)	5.00	240-C	1.063	1.250	1.188	23		225	8	11.0	9.5	8	0.875	—	22.6	10.4
	5.00	240-E	0.750	0.500	0.500	9		225	26	11.0	9.5	8	0.875	—	26.0	10.4
	6.00	240-A	1.188	1.188	1.188	21		235	10	11.0	9.5	8	0.875	—	24.0	10.4
	6.00	**240-AV**	0.750	0.500	0.500	9	41.28	225	26	11.0	9.5	8	0.875	3/4-10 UNC	26.8	10.4
	7.09	240-D	0.750	0.500	0.500	9		225	26	11.0	9.5	8	0.875	—	29.0	10.6
	8.00	**240-AV**	0.750	0.500	0.500	9		225	26	11.0	9.5	8	0.875	3/4-10 UNC	29.1	10.8
	6.00	Q-240-HW	0.750	0.500	0.500	9		300	26	12.5	10.62	12	0.875	—	39.0	10.4
8 (200)	5.00	240-C	1.063	1.188	1.188	17		235	8	13.5	11.75	8	0.875	—	35.5	13.4
	5.00	240-E	0.750	0.500	0.500	7		225	26	13.5	11.75	8	0.875	—	40.0	13.4
	6.00	240-A	1.188	1.188	1.188	16	63.62	235	8	13.5	11.75	8	0.875	—	38.5	13.4
	6.00	**240-AV**	0.750	0.500	0.500	7		225	26	13.5	11.75	8	0.875	3/4-10 UNC	40.6	13.4
	8.07	240-D	1.000	0.563	0.875	8		225	26	13.5	11.75	8	0.875	—	41.3	14.0
	6.00	Q-240-HW	0.750	0.500	0.500	7		300	26	15.0	13.00	12	1.000	—	70.0	13.4
10 (250)	5.00	240-C	1.063	1.188	1.188	14		235	6	16.0	14.25	12	1.000	—	49.3	21.0
	5.00	240-E	1.000	0.625	0.750	7		225	26	16.0	14.25	12	1.000	—	56.0	21.0
	8.00	240-A	1.188	1.188	1.188	13		145	6	16.0	14.25	12	1.000	—	53.6	21.3
	8.00	**240-AV**	1.000	0.625	0.750	7	103.87	225	26	16.0	14.25	12	1.000	7/8-9 UNC	56.6	21.3
	9.00	**240-AV**	1.000	0.625	0.750	7		225	26	16.0	14.25	12	1.000	7/8-9 UNC	57.0	22.0
	9.45	240-D	1.000	0.625	0.750	7		225	26	16.0	14.25	12	1.000	—	58.5	22.0
	10.00	**240-AV**	1.000	0.625	0.875	7		225	26	16.0	14.25	12	1.000	7/8-9 UNC	60.5	26.5
	8.00	Q-240-HW	1.000	0.625	0.750	7		275	26	17.5	15.25	16	1.125	—	56.0	22.0
12 (300)	5.00	240-C	1.063	1.250	1.188	12		235	6	19.0	17.0	12	1.000	—	73.4	26.5
	5.00	240-E	1.000	0.625	0.750	6		225	26	19.0	17.0	12	1.000	—	74.0	26.5
	8.00	240-A	1.188	1.188	1.188	11		145	6	19.0	17.0	12	1.000	—	80.0	27.0
	8.00	**240-AV**	1.000	0.625	0.750	6	137.89	225	26	19.0	17.0	12	1.000	7/8-9 UNC	83.0	27.0
	9.00	**240-AV**	1.000	0.625	0.750	6		225	26	19.0	17.0	12	1.000	7/8-9 UNC	88.0	27.0
	10.24	240-D	1.000	0.625	0.875	6		225	26	19.0	17.0	12	1.000	—	89.0	28.0
	8.00	Q-240-HW	1.000	0.625	0.750	6		275	26	20.5	17.75	16	1.250	—	100.0	27.0
14 (350)	8.00	240-C	1.000	1.063	1.188	8	182.65	232	6	21.0	18.75	12	1.125	—	112.0	28.0
	8.00	**240-AV**	1.000	0.625	0.750	6		150	26				1.125	—	115.0	28.0
16 (400)	8.00	240-C	1.000	1.063	1.188	8		232	6				1.125	—	136.0	26.8
	8.00	240-HW	1.000	0.625	0.750	4		175	26				1.125	—	186.0	26.8
	8.00	**240-AV**	1.000	0.625	0.750	4	240.53	125	26	23.5	21.25	16	1.125	—	165.0	26.8
	9.00	240-M	1.000	0.625	0.750	4		125	26				1.125	—	168.0	27.0
	10.43	240-D	1.000	0.625	0.875	4		125	26				1.125	—	170.0	27.0
18 (450)	8.00	240-HW	1.000	0.625	0.750			175	26				1.250	—	209.0	31.4
	8.00	**240-AV**	1.000	0.625	0.750	4	298.65	125	26	25.0	22.75	16	1.250	—	168.0	31.4
	9.00	240-M	1.000	0.625	0.750			125	26				1.250	—	169.0	33.1
	10.43	240-D	1.000	0.625	0.875			125	26				1.250	—	170.0	33.1
20 (500)	8.00	240-C	1.000	1.063	1.188	6		145	6				1.250	—	154.0	32.4
	8.00	240-HW	1.000	0.625	0.750	3		175	26				1.250	—	234.0	32.4
	8.00	**240-AV**	1.000	0.625	0.750	3	363.05	125	26	27.5	25.00	20	1.250	—	170.0	32.4
	9.00	240-M	1.000	0.625	0.750	3		125	26				1.250	—	173.0	34.1
	10.43	240-D	1.000	0.625	0.875	3		125	26				1.250	—	175.0	34.1
24 (600)	8.00	240-C	1.000	1.063	1.188	5		145	6				1.375	—	214.0	44.0
	10.00	**240-AV**	1.000	0.625	0.750	3	510.70	110	26	32.5	29.5	20	1.375	—	255.0	45.5
	10.00	240-HW	1.000	0.625	0.750	3		160	26				1.375	—	297.0	45.5
	10.47	240-D	1.000	0.625	0.875	3		110	26				1.375	—	265.0	46.0
30 (750)	10.00	**240-AV**	1.000	0.625	0.750	2	779.31	110	26	38.75	36.0	28	1.375	—	295.0	57.0

See Notes Page 4

NOTES:

Standard Proco Style 240-AV Expansion Joints shown in Bold Type are considered Standards and are inventoried in large quantities.

1. *"HW" denotes Heavy Weight Construction. For sizes 2" I.D. thru 12" I.D., Proco will only offer these items with 300 lb. drilling and are denoted by Q-240-HW. All Q-240-HW units will only be sold with control units.*

2. *Concurrent Movements - Concurrent movements are developed when two or more movements in a pipe system occur at the same time. If multiple movements exceed single arch design there may be a need for an additional arch. To perform calculation for concurrent movement when a pipe system design has more than one movement, please use the following formula:*

$$\frac{\text{Actual Axial Compression}}{\text{Rated Axial Compression}} + \frac{\text{Actual Axial Extension}}{\text{Rated Axial Extension}} + \frac{\text{Actual Lateral (X)}}{\text{Rated Lateral (X)}} + \frac{\text{Actual Lateral (Y)}}{\text{Rated Lateral (Y)}} = / < 1$$

Calculation must be equal to or less than 1 for expansion joint to operate within concurrent movement capability.

3. *Calculation of Thrust (Thrust Factor). When expansion joints are installed in the pipeline, the static portion of the thrust is calculated as a product of the area of the I.D. of the arch of the expansion joint times the maximum pressure (design, test or surge) that will occur in the line. The result is a force expressed in pounds.* ***Take design, surge or test pressure X thrust factor to calculate end thrust.***

"Effective Area"

Thrust Factor=

$T = \frac{\pi}{4} (D)^2 (P)$

T= Thrust
P= PSI (Design, Test or Surge)
D= Arch I.D.

4. *Pressure rating is based on 170°F operating temperature. The pressure rating is reduced at higher temperatures.*

5. *Pressures shown at maximum "operating pressure". Test pressure is 1.5 times "operating pressure". Burst pressure is 4 times "operating pressure". If factory hydro-test is required, an additional joint per size must be purchased and tested. Once hydro-tested this joint may not be sent to field for installation as the beaded end will have taken a (compressed) set and can not be reused.*

6. *Vacuum rating is based on neutral installed length, without external load. Products should not be installed in extension for vacuum applications. Flattening of the arch in extended mode will cause the arch to collapse.*

7. *Style 240AV/NN and 240-D/NN (neoprene elastomer only) expansion joints 1.0" I.D. thru 12" I.D. are available with tapped (threaded) holes and must be specified at time of order.*

8. *In addition to standard 150 lb. drilled flanges, Proco can provide expasion joints listed above in 300 lb. drilling, BS-10 (British) drilling, Metric PN10 and PN16 drilling and JIS 10kg/cm drilling.*

9. *For PTFE lined single sphere see www.procoproducts.com/ptfelined.html*

Style 240/242 Drilling Chart

Table 4: Flange Drilling

NOMINAL Pipe Size Inch (mm)	American 125/150# Conforms to ANSI B16.1 and B16.5						American 250/300# Conforms to ANSI B16.1 and B16.5					British Standard 10:1962 Conforms to BS 10 Table E				
	Flange Thickness	Flange O.D.	Bolt Circle	No. of Holes	Drilled Hole Size	Threaded Hole Size	Flange Thickness	Flange O.D.	Bolt Circle	No. of Holes	Hole Size	Flange Thickness	Flange O.D.	Bolt Circle	No. of Holes	Hole Size
1 (25)	0.55 (14.0)	4.25 (108.0)	3.13 (79.4)	4	0.62 (15.9)	1/2 - 13 UNC	0.63 (16.0)	4.88 (124.0)	3.5 (88.9)	4	0.75 (19.1)	0.59 (15.0)	4.5 (114.0)	3.25 (82.6)	4	0.62 (15.9)
1.25 (32)	0.55 (14.0)	4.63 (118.0)	3.5 (88.9)	4	0.62 (15.9)	1/2 - 13 UNC	0.63 (16.0)	5.25 (133.0)	3.88 (98.4)	4	0.75 (19.1)	0.59 (15.0)	4.75 (121.0)	3.44 (87.3)	4	0.62 (15.9)
1.5 (40)	0.55 (14.0)	5.0 (127.0)	3.88 (98.4)	4	0.62 (15.9)	1/2 - 13 UNC	0.63 (16.0)	6.12 (156.0)	4.50 (114.3)	4	0.88 (22.2)	0.59 (15.0)	5.25 (133.0)	3.88 (98.4)	4	0.62 (15.9)
2 (50)	0.63 (16.0)	6.0 (152.0)	4.75 (120.7)	4	0.75 (19.1)	5/8 - 11 UNC	0.71 (18.0)	6.50 (165.0)	5.00 (127.0)	8	0.75 (19.1)	0.63 (16.0)	6.0 (152.0)	4.5 (114.3)	4	0.75 (19.1)
2.5 (65)	0.71 (18.0)	7.0 (178.0)	5.5 (139.7)	4	0.75 (19.1)	5/8 - 11 UNC	0.71 (18.0)	7.5 (191.0)	5.88 (149.2)	8	0.88 (22.2)	0.71 (18.0)	6.5 (165.0)	5.0 (127.0)	4	0.75 (19.1)
3 (80)	0.71 (18.0)	7.5 (191.0)	6.0 (152.4)	4	0.75 (19.1)	5/8 - 11 UNC	0.79 (20.0)	8.25 (210.0)	6.62 (168.2)	8	0.88 (22.2)	0.71 (18.0)	7.25 (184.0)	5.75 (146.1)	4	0.75 (19.1)
3.5 (90)	0.71 (18.0)	8.5 (216.0)	7.0 (177.8)	8	0.75 (19.1)	5/8 - 11 UNC	0.79 (20.0)	9.0 (229.0)	7.25 (184.2)	8	0.88 (22.2)	0.71 (18.0)	8.0 (203.0)	6.5 (165.1)	8	0.75 (19.1)
4 (100)	0.71 (18.0)	9.0 (229.0)	7.5 (190.5)	8	0.75 (19.1)	5/8 - 11 UNC	0.79 (20.0)	10.0 (254.0)	7.88 (200.0)	8	0.88 (22.2)	0.71 (18.0)	8.5 (216.0)	7.0 (177.8)	8	0.75 (19.1)
5 (125)	0.79 (20.0)	10.0 (254.0)	8.5 (215.9)	8	0.88 (22.2)	3/4 - 10 UNC	0.87 (22.0)	11.0 (279.0)	9.25 (235.0)	8	0.88 (22.2)	0.79 (20.0)	10.0 (254.0)	8.25 (209.6)	8	0.75 (19.1)
6 (150)	0.87 (22.0)	11.0 (279.0)	9.5 (241.3)	8	0.88 (22.2)	3/4 - 10 UNC	0.87 (22.2)	12.5 (318.0)	10.62 (269.9)	12	0.88 (22.2)	0.87 (22.2)	11.0 (279.0)	9.25 (235.0)	8	0.88 (22.2)
8 (200)	0.87 (22.0)	13.5 (343.0)	11.75 (298.5)	8	0.88 (22.2)	3/4 - 10 UNC	0.95 (24.0)	15.0 (381.0)	13.0 (330.2)	12	1.00 (25.4)	0.87 (22.2)	13.25 (337.0)	11.5 (292.1)	8	0.88 (22.2)
10 (250)	0.95 (24.0)	16.0 (406.0)	14.25 (362.0)	12	1.00 (25.4)	7/8 - 9 UNC	1.02 (26.0)	17.5 (445.0)	15.25 (387.4)	16	1.13 (28.6)	0.95 (24.0)	16.0 (406.0)	14.0 (355.6)	12	0.88 (22.2)
12 (300)	0.95 (24.0)	19.0 (483.0)	17.0 (431.8)	12	1.00 (25.4)	7/8 - 9 UNC	1.02 (26.0)	20.5 (521.0)	17.75 (450.9)	16	1.25 (31.8)	0.95 (24.0)	18.0 (457.0)	16.0 (406.4)	12	1.00 (25.4)
14 (350)	1.02 (26.0)	21.0 (533.0)	18.75 (476.3)	12	1.13 (28.6)	1 - 8 UNC	1.10 (28.0)	23.0 (584.0)	20.25 (514.4)	20	1.25 (31.8)	1.02 (26.0)	20.75 (527.0)	18.5 (469.9)	12	1.00 (25.4)
16 (400)	1.10 (28.0)	23.5 (597.0)	21.25 (539.8)	16	1.13 (28.6)	1 - 8 UNC	1.18 (30.0)	25.5 (648.0)	22.5 (571.5)	20	1.38 (34.9)	1.10 (28.0)	22.75 (578.0)	20.5 (520.7)	12	1.00 (25.4)
18 (450)	1.18 (30.0)	25.0 (635.0)	22.75 (577.9)	16	1.25 (31.8)	1 1/8 - 7 UNC	1.18 (30.0)	28.0 (711.0)	24.75 (628.7)	24	1.38 (34.9)	1.18 (30.0)	25.25 (641.0)	23.0 (584.2)	16	1.00 (25.4)
20 (500)	1.18 (30.0)	27.5 (699.0)	25.0 (635.0)	20	1.25 (31.8)	1 1/8 - 7 UNC	1.18 (30.0)	30.5 (775.0)	27.0 (685.8)	24	1.38 (34.9)	1.18 (30.0)	27.75 (705.0)	25.25 (641.4)	16	1.00 (25.4)
24 (600)	1.18 (30.0)	32.06 (813.0)	29.5 (749.3)	20	1.38 (34.9)	1 1/4 - 7 UNC	1.18 (30.0)	36.0 (914.0)	32.0 (812.8)	24	1.62 (41.3)	1.18 (30.0)	32.5 (826.0)	29.75 (755.7)	16	1.25 (31.8)
30 (750)	1.26 (32.0)	38.75 (984.0)	36.0 (914.4)	28	1.38 (34.9)	1 1/4 - 7 UNC	1.26 (32.0)	43.0 (1092.0)	39.25 (997.0)	28	2.00 (50.8)	1.26 (32.0)	39.25 (997.0)	36.5 (927.1)	20	1.38 (34.9)

Table 4: Flange Drilling

NOMINAL Pipe Size Inch (mm)	Metric Series Conforms to I.S.O. 2084-1974 Table PN10 Holes to I.S.O. /R-273					Metric Series Conforms to I.S.O. 2084-1974 Table PN16 Holes to I.S.O. /R-273					J.I.S. Standard B-2212 Conforms to J.I.S. 10Kg/cm				
	Flange Thickness	Flange O.D.	Bolt Circle	No. of Holes	Hole Size	Flange Thickness	Flange O.D.	Bolt Circle	No. of Holes	Hole Size	Flange Thickness	Flange O.D.	Bolt Circle	No. of Holes	Hole Size
1 (25)	0.63 (16.0)	4.53 (115.0)	3.35 (85.0)	4	0.55 (14.0)	0.63 (16.0)	4.53 (115.0)	3.35 (85.0)	4	0.55 (14.0)	0.59 (15.0)	4.92 (125.0)	3.54 (90.0)	4	0.75 (19.0)
1.25 (32)	0.63 (16.0)	5.51 (140.0)	3.94 (85.0)	4	0.71 (18.0)	0.63 (16.0)	5.51 (140.0)	3.94 (100.0)	4	0.71 (18.0)	0.59 (15.0)	5.31 (135.0)	3.94 (100.0)	4	0.75 (19.0)
1.5 (40)	0.63 (16.0)	5.91 (150.0)	4.33 (110.0)	4	0.71 (18.0)	0.63 (16.0)	5.91 (150.0)	4.33 (110.0)	4	0.71 (18.0)	0.59 (15.0)	5.51 (140.0)	4.13 (105.0)	4	0.75 (19.0)
2 (50)	0.71 (18.0)	6.50 (165.0)	4.92 (125.0)	4	0.71 (18.0)	0.71 (18.0)	6.50 (165.0)	4.92 (125.0)	4	0.71 (18.0)	0.63 (16.0)	6.10 (155.0)	4.72 (120.0)	4	0.75 (19.0)
2.5 (65)	0.71 (18.0)	7.28 (185.0)	5.71 (145.0)	4	0.71 (18.0)	0.71 (18.0)	7.28 (185.0)	5.71 (145.0)	4	0.71 (18.0)	0.71 (18.0)	6.89 (175.0)	5.51 (140.0)	4	0.75 (19.0)
3 (80)	0.79 (20.0)	7.87 (200.0)	6.3 (160.0)	8	0.71 (18.0)	0.79 (20.0)	7.87 (200.0)	6.30 (160.0)	8	0.71 (18.0)	0.71 (18.0)	7.28 (185.0)	5.91 (150.0)	8	0.75 (19.0)
3.5 (90)	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	0.71 (18.0)	7.68 (195.0)	6.30 (160.0)	8	0.75 (19.0)
4 (100)	0.79 (20.0)	8.66 (220.0)	7.09 (180.0)	8	0.71 (18.0)	0.79 (20.0)	8.66 (220.0)	7.09 (180.0)	8	0.71 (18.0)	0.71 (18.0)	8.27 (210.0)	6.89 (175.0)	8	0.75 (19.0)
5 (125)	0.87 (22.0)	9.84 (250.0)	8.27 (210.0)	8	0.71 (18.0)	0.87 (22.0)	9.84 (250.0)	8.27 (210.0)	8	0.71 (18.0)	0.79 (20.0)	9.84 (250.0)	8.27 (210.0)	8	0.91 (23.0)
6 (150)	0.87 (22.0)	11.22 (285.0)	9.45 (240.0)	8	0.87 (22.0)	0.87 (22.0)	11.22 (285.0)	9.45 (240.0)	8	0.87 (22.0)	0.87 (22.0)	11.02 (280.0)	9.45 (240.0)	8	0.91 (23.0)
8 (200)	0.87 (22.0)	13.39 (340.0)	11.61 (295.0)	8	0.87 (22.0)	0.87 (22.0)	13.39 (340.0)	11.61 (295.0)	12	0.87 (22.0)	0.87 (22.0)	12.99 (330.0)	11.42 (290.0)	12	0.91 (23.0)
10 (250)	1.02 (26.0)	15.55 (395.0)	13.78 (350.0)	12	0.87 (22.0)	1.02 (26.0)	15.94 (405.0)	13.98 (355.0)	12	1.02 (26.0)	0.95 (24.0)	15.75 (400.0)	13.98 (355.0)	12	0.98 (25.0)
12 (300)	1.02 (26.0)	17.52 (445.0)	15.75 (400.0)	12	0.87 (22.0)	1.02 (26.0)	18.11 (460.0)	16.14 (410.0)	12	1.02 (26.0)	0.95 (24.0)	17.52 (445.0)	15.75 (400.0)	16	0.98 (25.0)
14 (350)	1.10 (28.0)	19.88 (505.0)	18.11 (460.0)	16	0.87 (22.0)	1.10 (28.0)	20.47 (520.0)	18.50 (470.0)	16	1.02 (26.0)	1.02 (26.0)	19.29 (490.0)	17.52 (445.0)	16	0.98 (25.0)
16 (400)	1.18 (30.0)	22.24 (565.0)	20.28 (515.0)	16	1.02 (26.0)	1.18 (30.0)	22.83 (580.0)	20.67 (525.0)	16	1.18 (30.0)	1.10 (28.0)	22.05 (560.0)	20.08 (510.0)	16	1.06 (27.0)
18 (450)	1.18 (30.0)	24.21 (615.0)	22.24 (565.0)	20	1.02 (26.0)	1.18 (30.0)	25.20 (640.0)	23.03 (585.0)	20	1.18 (30.0)	1.18 (30.0)	24.41 (620.0)	22.24 (565.0)	20	1.06 (27.0)
20 (500)	1.18 (30.0)	26.38 (670.0)	24.41 (620.0)	20	1.02 (26.0)	1.18 (30.0)	28.15 (715.0)	25.59 (650.0)	20	1.30 (33.0)	1.18 (30.0)	26.57 (675.0)	24.41 (620.0)	20	1.06 (27.0)
24 (600)	1.18 (30.0)	30.71 (780.0)	28.54 (725.0)	20	1.18 (30.0)	1.18 (30.0)	33.07 (840.0)	30.31 (770.0)	20	1.42 (36.0)	1.18 (30.0)	31.30 (795.0)	28.74 (730.0)	24	1.30 (33.0)
30 (750)	1.26 (32.0)	37.99 (965.0)	35.43 (900.0)	24	1.30 (33.0)	1.26 (32.0)	38.19 (970.0)	35.43 (900.0)	24	1.42 (36.0)	1.26 (32.0)	38.19 (970.0)	35.07 (900.0)	24	1.30 (33.0)

Drilling Chart for Bolting Requirements

Table 5:	Standard Drilling for PROCO Rubber Expansion Joints					Thickness of Materials for PROCO Rubber Expansion Joints			Control Unit Plate Detail	
	Flange Dimensions [2]					Material Thickness [1] for Bolt Length Requirements				
Nominal Pipe Size Expansion Joint I.D. Inch /(mm)	Flange O.D. Inch / (mm)	Bolt Circle Inch / (mm)	Number Of Holes	Size Of Holes Inch / (mm)	Bolt Hole Thread	Nominal Flange/ Beaded End Thickness Inch / (mm) (Approx. Value)	Adjacent Mating [3] Flange Thickness	Max. Control [4] Rod Plate Thickness Inch / (mm)	Control Rod [6] Plate O.D. Inch / (mm)	Maxi-mum [7] Rod Diameter Inch / (mm)
1 (25)	**4.25 (108.0)**	**3.13** (79.50)	**4**	**0.625** (15.87)	**1/2-13 UNC**	**1.25** (31.75)	CUSTOMER TO SPECIFY MATING FLANGE THICKNESS	**0.375** (9.53)	**8.375** (215.9)	**0.625** (15.9)
1.25 (32)	**4.63** (118.0)	**3.5** (88.90)	**4**	**0.625** (15.87)	**1/2-13 UNC**	**1.25** (31.75)		**0.375** (9.53)	**8.750** (222.3)	**0.625** (15.9)
1.5 (40)	**5.0** (127.0)	**3.88** (98.55)	**4**	**0.625** (15.87)	**1/2-13 UNC**	**1.25** (31.75)		**0.375** (9.53)	**9.125** (231.8)	**0.625** (15.9)
2 (50)	**6.00** (152.00)	**4.75** (120.65)	**4**	**0.750** (19.05)	**5/8-11 UNC**	**1.25** (31.75)		**0.375** (9.53)	**10.125** (257.2)	**0.625** (15.9)
2.5 (65)	**7.00** (178.00)	**5.50** (139.70)	**4**	**0.750** (19.05)	**5/8-11 UNC**	**1.25** (31.75)		**0.375** (9.53)	**11.125** (282.6)	**0.625** (15.9)
3 (80)	**7.50** (191.00)	**6.00** (152.40)	**4**	**0.750** (19.05)	**5/8-11 UNC**	**1.25** (31.75)		**0.375** (9.53)	**11.625** (295.3)	**0.625** (15.9)
3.5 (90)	**8.5** (216.0)	**7.0** (177.80)	**8**	**0.750** (19.05)	**5/8-11 UNC**	**1.25** (31.75)		**0.375** (9.53)	**12.625** (320.7)	**0.625** (15.9)
4 (100)	**9.00** (229.00)	**7.50** (190.50)	**8**	**0.750** (19.05)	**5/8-11 UNC**	**1.25** (31.75)		**0.375** (9.53)	**13.125** (333.4)	**0.625** (15.9)
5 (125)	**10.00** (254.00)	**8.50** (215.90)	**8**	**0.875** (22.23)	**3/4-10 UNC**	**1.50** (38.10)		**0.500** (12.70)	**14.125** (358.8)	**0.625** (15.9)
6 (150)	**11.00** (279.00)	**9.50** (241.30)	**8**	**0.875** (22.23)	**3/4-10 UNC**	**1.50** (38.10)		**0.500** (12.70)	**15.125** (384.2)	**0.625** (15.9)
8 (200)	**13.50** (343.00)	**11.75** (298.45)	**8**	**0.875** (22.23)	**3/4-10 UNC**	**1.50** (38.10)		**0.750** (19.05)	**19.125** (485.8)	**1.000** (25.4)
10 (250)	**16.00 (406.00)**	**14.25** (361.95)	**12**	**1.000** (25.40)	**7/8-9 UNC**	**1.50** (38.10)		**0.750** (19.05)	**21.625** (549.3)	**1.000** (25.4)
12 (300)	**19.00** (483.00)	**17.00** (431.80)	**12**	**1.000** (25.40)	**7/8-9 UNC**	**1.50** (38.10)		**0.750** (19.05)	**24.625** (625.5)	**1.000** (25.4)
14 (350)	**21.00** (533.00)	**18.75** (476.25)	**12**	**1.125** (28.58)	—	**1.75** (44.45)		**0.750** (19.05)	**26.625** (676.3)	**1.000** (25.4)
16 (400)	**23.50** (597.00)	**21.25** (539.75)	**16**	**1.125** (28.58)	—	**1.75** (44.45)		**0.750** (19.05)	**30.125** (765.2)	**1.250** (31.8)
18 (450)	**25.00** (635.00)	**22.75** (577.85)	**16**	**1.250** (31.75)	—	**2.00** (50.80)		**0.750** (19.05)	**31.625** (803.3)	**1.250** (31.8)
20 (500)	**27.50** (699.00)	**25.00** (635.00)	**20**	**1.250** (31.75)	—	**2.00** (50.80)		**0.750** (19.05)	**34.125** (866.8)	**1.250** (31.8)
24 (600)	**32.00** (813.00)	**29.50** (749.30)	**20**	**1.375** (34.93)	—	**2.00** (50.80)		**1.000** (25.40)	**38.625** (981.1)	**1.250** (31.8)
30 (750)	**38.75** (984.00)	**36.00** (914.40)	**28**	**1.375** (34.93)	—	**2.00** (50.80)		**1.250** (31.75)	**46.375** (1177.9)	**1.500** (38.1)

Metric Conversion Formula: Nominal I.D.: in. x 25 = mm; Dimensions/ Thickness': in. x 25.4 = mm.

Notes:

1. *Limit/Control Rod length is determined by neutral length of rubber expansion joint, rated extension, control rod plate thickness, mating flange thickness and number of nuts. Consult PROCO for rod lengths.*
2. *Flange Dimensions shown are in accordance with ANSI B16.1 and ANSI B16.5 Class 125/150, AWWA C-207-07, Tbl 2 and 3 - Class D, Table 4 - Class E. Hole size shown is 1/8" larger than AWWA Standard.*
3. *Adjacent mating flange thickness is required to determine overall rod length and compression sleeve length (if required).*
4. *Plate thickness is based on a maximum width PROCO would use to design a Limit/Control Rod plate.*
5. *Flat Washers required at ring splits and are supplied by others.*
6. *Control rod plate O.D. installed dimension is based on a maximum O.D. Proco would supply.*
7. *Control rod diameter is based on a maximum diameter Proco would use to design a control rod.*

A - Flange/Beaded End Thickness (Approximated Figure)
B - Adjacent Mating Flange Thickness (By Others)
C - Control Unit Plate Thickness
D - Double Nut Thickness is determined by Control Rod Diameter
E - Control Rod Bolt Length is determined by A through E + OAL [1]
F - Control Rod Control Rod Plate O.D.
G - Maximum Rod Diameter

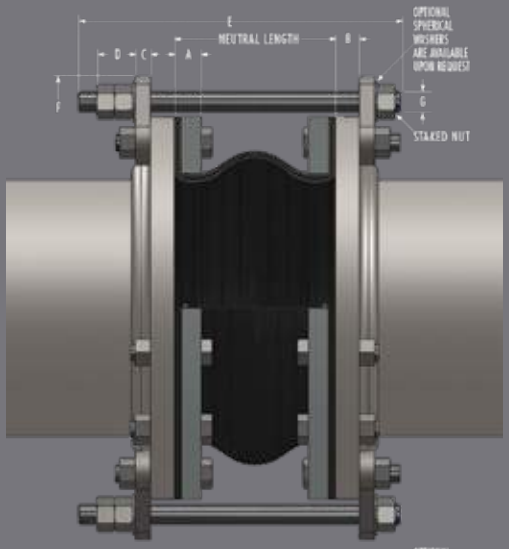


Figure 1
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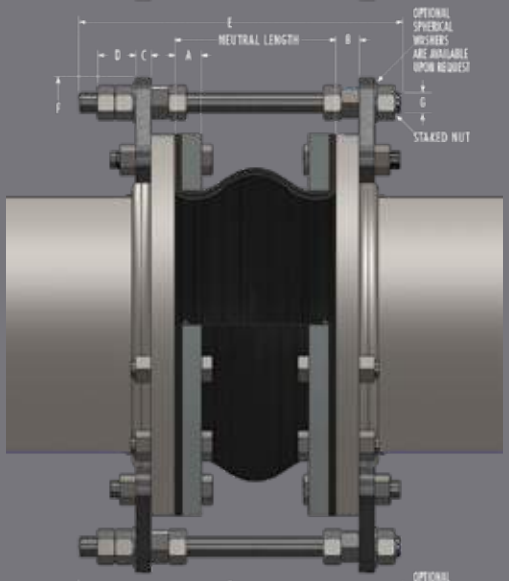

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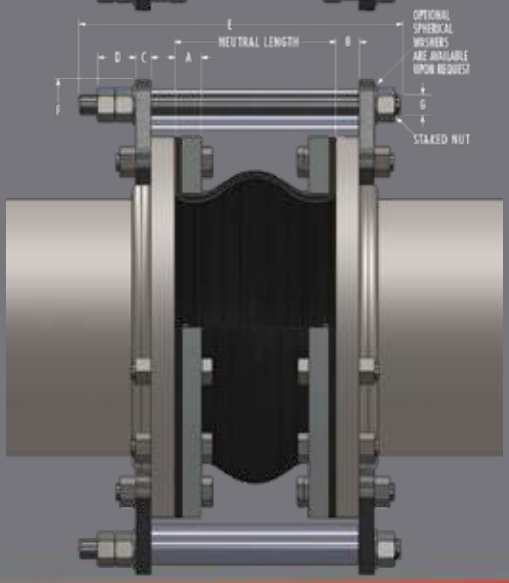

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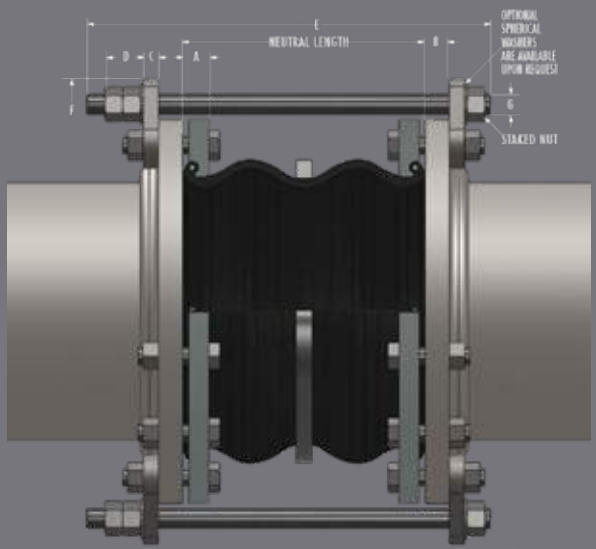

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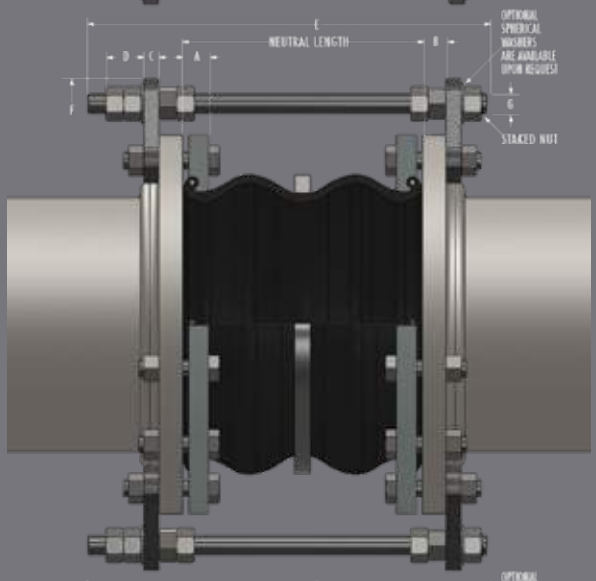

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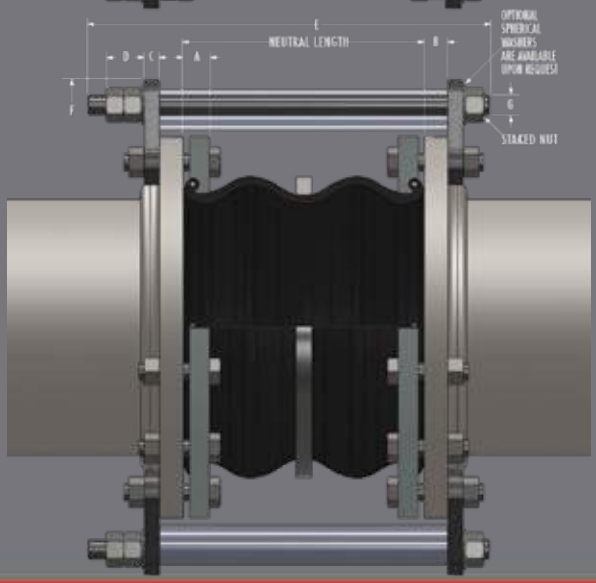

Figure 3
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Use of Control Units with Rubber Expansion Joints

Definition

A control unit assembly is a system of two or more control rod units (limit rods, tie rods or compression sleeves) placed across an expansion joint from flange to flange to minimize possible damage caused by excessive motion of a pipeline. The control unit assemblies can be set at the maximum allowable expansion and/or contraction of the rubber expansion joint. When used in this manner, control units are an additional safety factor and can minimize possible damage to adjacent equipment.

Rubber expansion joints should be installed between two fixed anchor points in a piping system. The pipe system must be rigidly anchored on both sides of the expansion joint to control expansion or contraction of the line. Piping anchors must be capable of withstanding the line thrusts generated by internal pressure or wide temperature fluctuations.

When proper anchoring cannot be provided, **CONTROL UNITS ARE REQUIRED.** For un-anchored piping systems nuts shall be tightened snug against rod plate to prevent over-extension due to pressure thrust created by expansion joint. Refer to "Thrust Factor" in Table 2, note 5 in this manual. Please also see Table 7 for number of control rods recommended based on maximum serge for test pressure of the system

Listed below are three (3) control unit configurations supplied by PROCO and are commonly used with rubber expansion joints in piping systems.

Figure 1

Known as a **LIMIT ROD**, this control unit configuration will allow an expansion joint to extend to a predetermined extension setting. Nuts shall be field-set to no more than the maximum allowable extension movement of a rubber expansion joint (unless used in an un-anchored system). Refer to Table 2 in this manual for allowable movement capabilities. Spherical washers can also be furnished (upon request) to combat any "nut-to-plate" binding during offset. ***Consult the systems engineer for proper nut settings prior to system operation.***

Figure 2

Known as a **LIMIT/CONTROL ROD**, this control unit configuration is used to allow specified pipe expansion (expansion joint axial compression) and pipe contraction (expansion joint axial extension) movements. Nuts shall be field set to no more than the maximum allowable extension (unless used in an un-anchored pipe system) or compression of a rubber expansion joint. Refer to Table 2 in this manual for allowable movement capabilities. Internal and external nuts can also be field-set to allow for no movement in the horizontal plane. This setting will allow the rubber to move laterally while keeping expansion joint thrust forces low on adjacent equipment. Spherical washers can also be furnished (upon request) to combat any potential "nut-to-plate" binding during offset. ***Limit/Control rods with internal nuts must be specified at the time of inquiry. Consult the systems engineer for proper nut settings prior to system operation.***

Figure 3

Known as a **COMPRESSION SLEEVE**, this configuration is used to allow for specified pipe expansion (expansion joint axial compression) and pipe contraction (expansion joint extension) movements. Nuts shall be field-set to no more than the maximum allowable extension (unless used in an un-anchored pipe system) of a rubber expansion joint. Refer to Table 2 in this manual for allowable movement capabilities. PROCO will manufacture each compression sleeve to allow for no axial movement unless otherwise specified by the purchaser. Compression sleeves shall be field-trimmed to meet required allowable axial movement as set forth by system requirements. Spherical washers can also be furnished (upon request) to combat any potential "nut-to-plate" binding during offset. ***Consult the systems engineer for proper sleeve lengths prior to system operation.***

Important Control Unit Considerations

The number of rods, control rod diameters and control rod plate thicknesses are important considerations when specifying control units for an application. As a minimum, specifying engineers or purchasers shall follow the guidelines as set forth in Appendix C of the Fluid Sealing Association's Technical Handbook, Seventh Edition. PROCO engineers its control unit assemblies to system requirements. Our designs incorporate an allowable stress of 65% of material yield for each rod and plate (rod and plate material to be specified by purchaser). Therefore, it is important to provide pressure and temperature ratings to PROCO when requesting control units for rubber expansion joints. It is also important to provide adjacent mating flange thickness or mating specifications to ensure correct rod lengths are provided.

Installation Instructions for Limit Rods

1. Assemble expansion joint between pipe flanges in its manufactured face-to-face length.

2. Assemble control rod plates behind pipe flanges as shown. Flange bolts or all-thread studs through the control rod plate must be longer to accommodate the plate thickness. Control rod plates should be equally spaced around the flange. Depending upon the size and pressure rating of the system, 2, 3, 4, or more control/limit rods may be required. Refer to Table 4 in this manual or to the Fluid Sealing Association's Technical Handbook, Seventh Edition, for control rod pressure ratings.

3. Insert control/limit rods through top plate holes. Steel flat washers are to be positioned at outer plate surface.

4. If a single nut per unit is furnished, position this nut so that there is a gap between the nut and the steel flat washer. This gap is equal to the joint's maximum extension (commencing with the nominal face-to-face length). To lock this nut in position, either "stake" the thread in two places or tack weld the nut to the rod. If two nuts are supplied, the nuts will create a "jamming" effect to prevent loosening. (Nuts should be snug against the flat washer and control rod plate when piping system is un-anchored.)

Note: Consult the manufacturer if there are any questions as to the rated compression and elongation. These two dimensions are critical in setting the nuts and sizing the compression pipe sleeve (if supplied).

5. If there is a requirement for compression pipe sleeves, an ordinary pipe may be used, sized in length to allow the joint to be compressed to its normal limit.

6. If there is a requirement for optional spherical washers, these washers are to be positioned at the inner and/or outer plate surface and backed up by movable double nuts.

Figure 1
Style 240

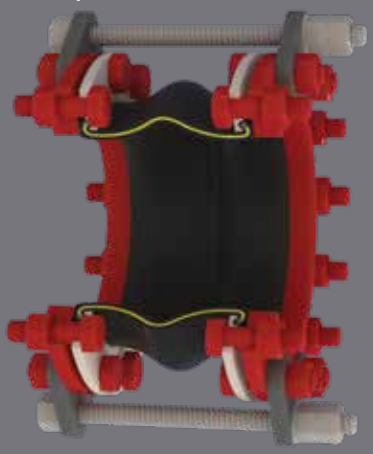

Figure 1
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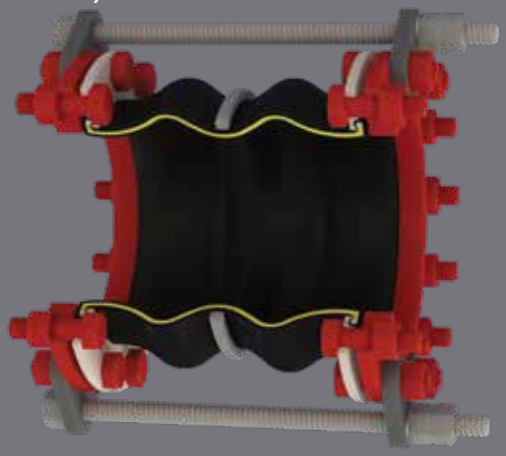

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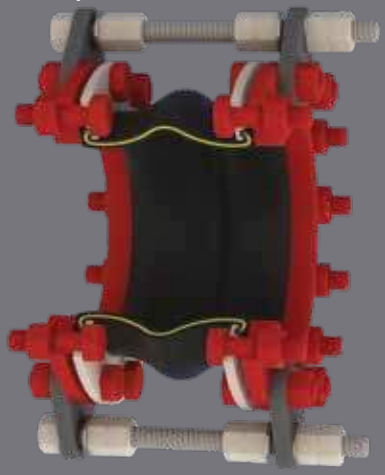

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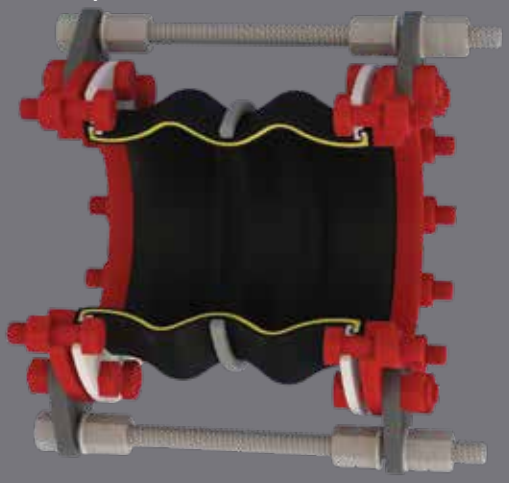

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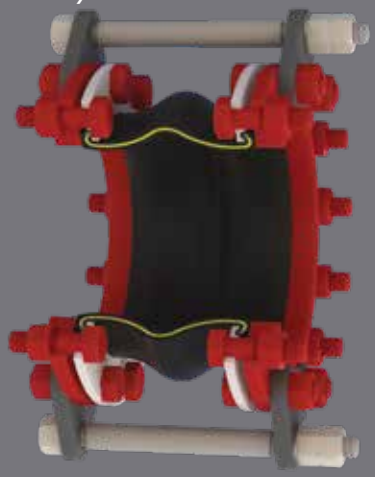

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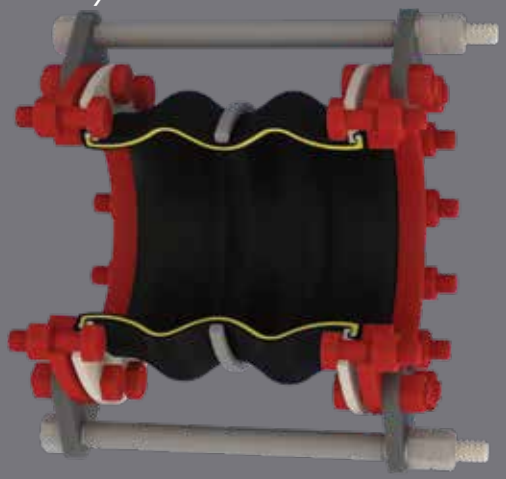


Table 6: Control Units/Anchored

Control Units must be installed when pressures (test • design • surge • operating) exceed rating below:

Pipe Size	Series 240 P.S.I.G.	Series 242 P.S.I.G.
1″ thru 4″	180	135
5″ thru 10″	135	135
12″ thru 14″	90	90
16″ thru 24″	45	45
30″	35	35

Table 7:

Nominal Pipe Size Expansion Joint I.D. Inch /(mm)		Maximum Surge or Test Pressure of the System — Number of Control Rods Recommended			
		2	4	6	8
1	(25)	949	•	•	•
1.25	(32)	830	•	•	•
1.5	(40)	510	•	•	•
2	(50)	661	•	•	•
2.5	(65)	529	•	•	•
3	(75)	441	•	•	•
4	(100)	311	622	•	•
5	(125)	235	470	•	•
6	(150)	186	371	•	•
8	(200)	163	326	•	•
10	(250)	163	325	488	•
12	(300)	160	320	481	•
14	(350)	112	223	335	•
16	(400)	113	227	340	453
18	(450)	94	187	281	375
20	(500)	79	158	236	315
24	(600)	74	147	221	294
30	(750)	70	141	211	281

Note:
Pressures listed above do not relate to the actual design pressure of the expansion joint products, but are the maximum surge or pressure for a specific control rod nominal pipe size.

Installation Instructions for Non-Metallic Expansion

1. Service Conditions:

Make sure the expansion joint rating for temperature, pressure, vacuum*, movements and selection of elastomeric materials match the system requirements. Contact the manufacturer if the system requirements exceed those of the expansion joint selected. (*Vacuum service for spherical rubber connectors: Vacuum rating is based on neutral installed length. These products should not be installed "extended" on vacuum applications.)

2. Alignment:

Expansion joints are not designed to make up for piping misalignment errors. Piping misalignment should be no more than 1/8" in any direction. Misalignment of an expansion joint will reduce the rated movements and can induce severe stress of the material properties, thus causing reduced service life or premature failure.

3. Anchoring:

Expansion joints should be located as close as possible to anchor points with proper pipe guides. Install expansion joints only on straight runs between anchors. It is recommended that control rods be installed on the expansion joint to prevent excessive movements from occurring due to pressure thrust of the line.

4. Pipe Support:

Piping must be supported so expansion joints do not carry any pipe weight.

5. Mating Flanges:

Install the expansion joint against the mating pipe flanges and install bolts so that the bolt head is against the expansion joint flange. Flange-to-flange dimension of the expansion joint must match the breech opening*. (*A spherical rubber connector must be pre-compressed 1/8" to 3/16" during installation in order to obtain a correct installed face-to-face dimension.)

Make sure the mating flanges are clean and are a flat-faced type. When attaching beaded end flange expansion joints to raised face flanges, the use of composite gaskets are required to prevent metal flange faces from cutting rubber bead during installation.

Never install expansion joints next to wafer type check or butterfly valves.

6. Bolting Torque:

Table 8 shows the recommended torque values for non-metallic expansion joints with beaded end type-flanges: Tighten bolts in stages by alternating around the flange. Use the recommended torque values in Table 8 to achieve a good seal. Never tighten an expansion joint to the point that there is metal-to-metal contact between the expansion joint flanges and the mating flanges. A slight bulge in the rubber beaded end should create a flush tight seal.
Note: Torque values are approximate due to mating flange surfaces, installation offsets, operating pressures and environmental conditions.

7. Storage:

Ideal storage is in a warehouse with a relatively dry, cool location. Store flanges face down on a pallet or wooden platform. Do not store other heavy items on top of the expansion joints. Ten year shelf life can be expected with ideal conditions. If storage must be outdoors, place on a wooden platform and joints should not be in contact with the ground. Cover with a tarpaulin.

8. Large Joint Handling:

Do not lift with ropes or bars through the bolt holes. If lifting through the bore, use padding or a saddle to distribute the weight. Make sure cables or forklift tines do not contact the rubber. Do not let expansion joints sit vertically on the edges of the flanges for any period of time.

9. Additional Tips:

A. Do not insulate/cover over a rubber expansion joint. This prevents inspection of the tightness of the joint bolting.
B. It is acceptable (but not necessary) to lubricate the expansion joint beaded end with a thin film of graphite dispersed in glycerin or water at time of installation to prevent damage.
C. Do not weld in the near vicinity of a non-metallic joint.
D. If expansion joints are to be installed underground, or will be submerged in water, contact manufacturer for specific recommendations.
E. If the expansion joint will be installed outdoors, make sure the cover material will withstand ozone, sunlight, etc.
F. Check the tightness of flanges two or three weeks after installation and retighten if necessary. Refer to Notes in Para 6. Bolting Torque.
G. Expansion joint installation should be conducted by an authorized and qualified pipe fitter.
H. While all Proco expansion joints are guaranteed for a period of one year and designed for many years of service, it is suggested that expansion joints be routinely inspected based on service conditions.

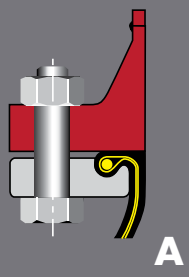
Warning: Expansion joints may operate in pipelines or equipment carrying fluids and/or gasses at elevated temperature and pressures and may transport hazardous materials. Precautions should be taken to protect personnel in the event of leakage or splash. Rubber joints should not be installed in areas where inspection is impossible. Make sure proper drainage is available in the event of leakage when operating personnel are not available.

Joints with Beaded End Flanges

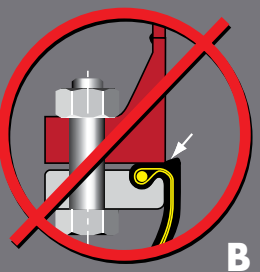
Table 8:	Bolt-Torque				
Nominal Pipe Size Expansion Joint I.D. Inch /(mm)	Step 1 FT-LBS (Nm)	Rest	Step 2 FT-LBS (Nm)	Rest	Step 3 FT-LBS (Nm)
1 (25)	18 (25)	30 Min	30 (40)	60 Min	45-60 (60-80)
1.25 (32)	18 (25)	30 Min	30 (40)	60 Min	45-60 (60-80)
1.5 (40)	18 (25)	30 Min	30 (40)	60 Min	45-60 (60-80)
2 (50)	18 (25)	30 Min	30 (40)	60 Min	45-60 (60-80)
2.5 (65)	18 (25)	30 Min	35 (50)	60 Min	50-60 (70-80)
3 (80)	25 (35)	30 Min	45 (60)	60 Min	60-75 (80-100)
3.5 (90)	25 (35)	30 Min	45 (60)	60 Min	60-75 (80-100)
4 (100)	25 (35)	30 Min	45 (60)	60 Min	60-75 (80-100)
5 (125)	25 (35)	30 Min	45 (60)	60 Min	60-75 (80-100)
6 (150)	30 (40)	30 Min	50 (70)	60 Min	60-75 (80-100)
8 (200)	30 (40)	30 Min	50 (70)	60 Min	60-75 (80-100)
10 (250)	30 (40)	30 Min	50 (70)	60 Min	75-85 (100-115)
12 (300)	30 (40)	30 Min	50 (70)	60 Min	75-85 (100-115)
14 (350)	30 (40)	30 Min	60 (80)	60 Min	75-95 (110-130)
16 (400)	30 (40)	30 Min	60 (80)	60 Min	75-95 (110-130)
18 (450)	30 (40)	30 Min	60 (80)	60 Min	90-95 (120-130)
20 (500)	30 (40)	30 Min	65 (90)	60 Min	95-185 (130-250)
24 (600)	30 (40)	30 Min	65 (90)	60 Min	95-185 (130-250)
30 (750)	30 (40)	30 Min	65 (90)	60 Min	95-220 (130-300)

Note: Bolt torque based on new bolts and nuts

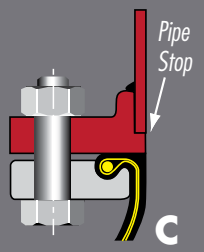
Right: Weld neck flanges with correct ID prevent damage to rubber.



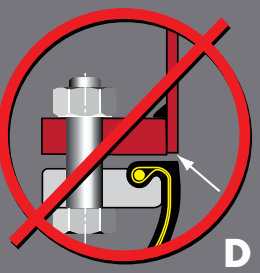
Wrong: Insure mating flange I.D. is flush with rubber.



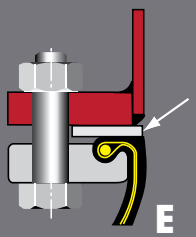
Right: Flanges with correct ID help prevent damage to rubber.



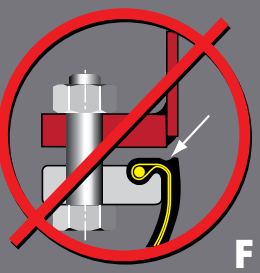
Wrong: Uneven end of pipe can cause damage to rubber.



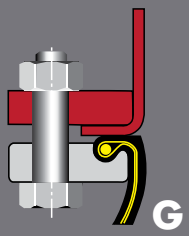
Right: In case of B, D, F an additional metal gasket can be used to prevent damage to rubber.



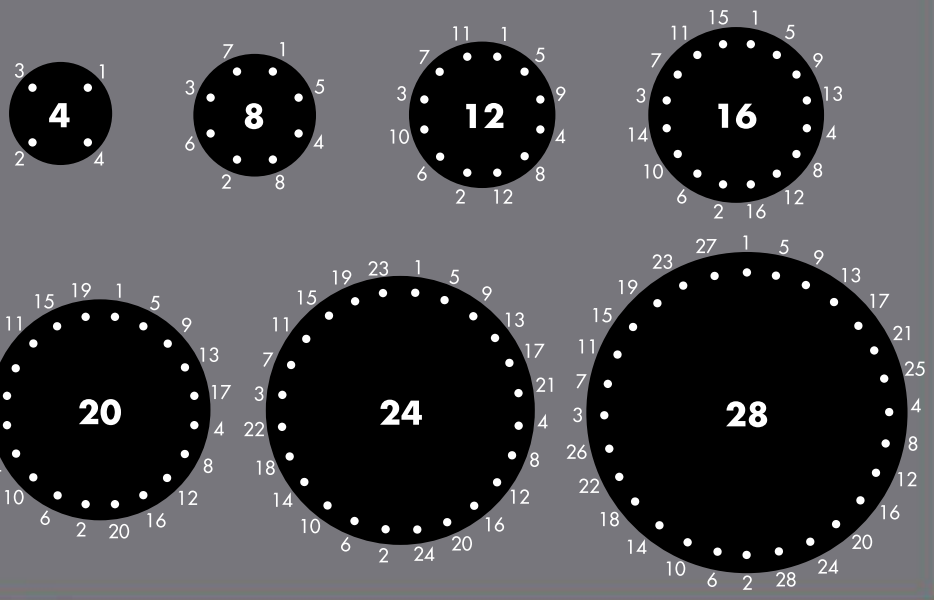
Wrong: Inner edge of flanges damages rubber.



Right: Well rounded smooth edge prevents damage to rubber.



Tighten opposing nuts/bolts gradually according to the following sequence



ALSO AVAILABLE FROM
Proco Products, Inc.

Proco Products, Inc. can supply an Integral Tie Rod Design Joint when space prohibits use of typical rod designs.

PROCO PRODUCTS, INC.

2431 North Wigwam Dr. (95205)
P.O. Box 590 • Stockton, CA
95201-0590 • USA

Toll-Free Phone: (800) 344-3246 NATIONWIDE AND CANADA

Facsimile: (209) 943-0242

(209) 943-6088 INTERNATIONAL

email: sales@procoproducts.com

website: http://www.procoproducts.com

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Revised 4/19

CCS/CS/CCF/CF Series

Filter-Silencers and Filters

The Dürr Universal Series of cartridge filters and filter-silencers offer high-performance filtration and silencing in a convenient economical cartridge configuration. Choose from four standard models for pipe sizes from ½" to 16" with flow capacities ranging from 15 to 7,700 CFM.

Three types of filter elements are available: pleated cellulose media, pleated felt media, or wire mesh media.

The CCF and CF series filters are high-quality air filters without a silencing section. The CF Series uses a top plate to provide ease of servicing and to axially seal the filter element in place. The CCF Series uses a weather hood to protect the filter element.

The CCS and CS series filters are high-quality air filters including a built-in silencing section. The CS Series uses a top plate to provide ease of servicing and to axially seal the filter element in place. The CCS Series uses a weather hood to protect the filter element.

TECHNICAL PRESENTATION

PERFORMANCE BENEFITS

Durability
Weather hoods for CCF and CCS sizes 2-½" through 5" are rugged blue ABS composite material that is paintable. Optional painted metal weather hoods are available at extra cost. All other components are carbon steel construction painted with a single-coat semigloss light blue alkyd enamel rated for 300°F.

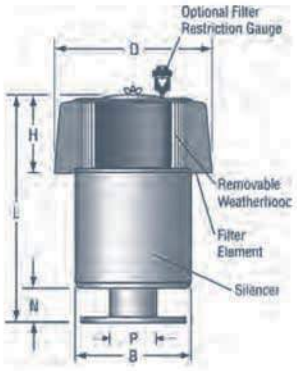
High Performance
Unique design options combined with the latest manufacturing techniques ensure optimum performance and long life even under the most demanding of conditions.

Functional
Choice of filter only or filter-silencer.

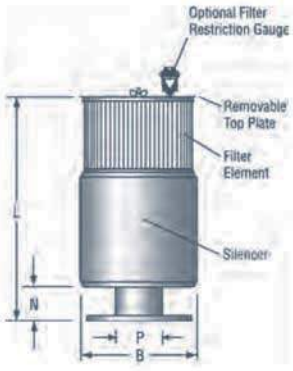
Easy to Maintain
Removable lightweight weather hoods (available on CCF and CCS models), or removable top plate (available on CF and CS models) for easy access and servicing of the filter element.

Versatile
Interchangeable filter elements provide options for filtration performance in the same housing.

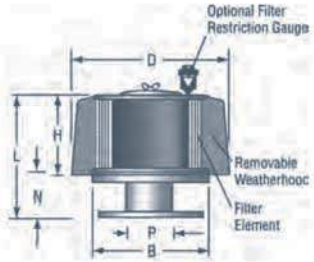
CCS Series
(with weatherhood)



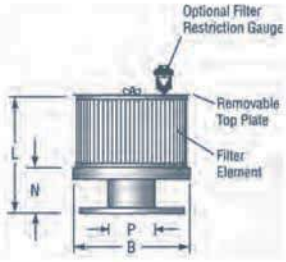
CS Series
(with top plate)



CCF Series
(with weatherhood)



CF Series
(with top plate)



CCS/CS/CCF/CF Series

Filter-Silencers and Filters

PART NUMBERS

Pipe Size	CCS	CS	CCF	CF
½	34-K50-TT*	34-M50-TT*		
¾	34-K70-TT*	34-M70-TT*	Sizes ½"–1" Use CCS or CS Series	
1	34-K01-TT*	34-M01-TT*		
1¼	34-K21-TT*	34-M21-TT*	34-L21-TT*	34-N21-TT*
1½	34-K15-TT*	34-M15-TT*	34-L15-TT*	34-N15-TT*
2	34-K02-TT*	34-M02-TT*	34-L02-TT*	34-N02-TT*
2½	34-K25-TT*	34-M25-TT*	34-L25-TT*	34-N25-TT*
3	34-K03-TT*	34-M03-TT*	34-L03-TT*	34-N03-TT*
3½	34-K35-TT*	34-M35-TT*	34-L35-TT*	34-N35-TT*
4	34-K04-TT*	34-M04-TT*	34-L04-TT*	34-N04-TT*
4	34-K04-AA*	34-M04-AA*	34-L04-AA*	34-N04-AA*
5	34-K05-TT*	34-M05-TT*	34-L05-TT*	34-N05-TT*
5	34-K05-AA*	34-M05-AA*	34-L05-AA*	34-N05-AA*
6	34-K06-AA*	34-M06-AA*	34-L06-AA*	34-N06-AA*
8	34-K08-AA*	34-M08-AA*	34-L08-AA*	34-N08-AA*
10	34-K10-AA*	34-M10-AA*	34-L10-AA*	34-N10-AA*
12	34-K12-AA*	34-M12-AA*	34-L12-AA*	34-N12-AA*
14	34-K14-AA*	34-M14-AA*	34-L14-AA*	34-N14-AA*
16	34-K16-AA*	34-M16-AA*	34-L16-AA*	34-N16-AA*

*Specify "P" at end of part number for unit with pleated paper elements, "F" for pleated felt or "W" for wire mesh.
Refer to page 73 for filter element details.

NOISE ATTENUATION, CCS/CS

Attenuation, dB	Octave Band Center Frequency, Hz
5	63
8	125
10	250
12	500
14	1,000
14	2,000
14	4,000
14	8,000

PRESSURE DROP, ALL MODELS

Pressure Drop (in. of H_20)	Percentage of Rated Flow
0.7	50%
1.6	75%
2.8	100%
4.4	125%
6.3	150%

P (size)	Rated Flow Cap. (CFM)	D	H	B	N				L				Approx. Weight with Paper Elements			
					CCF	CCS	CF	CS	CCF	CCS	CF	CS	CCF	CCS	CF	CS
½	15	8.00	3.13	6.00	Use CCS Series	—	Use CS Series	—	Use CCS Series	6.50	Use CS Series	6.50	Use CCS Series	7	Use CS Series	7
¾	22	8.00	3.13	6.00		—		—		6.50		6.50		7		7
1	35	8.00	3.13	6.00		—		—		6.50		6.50		7		7
1¼	60	9.00	3.50	6.50	—	—	—	—	3.50	7.88	3.50	7.88	9	10	5	9
1½	75	9.00	3.50	6.50	—	—	—	—	3.50	7.88	3.50	7.88	9	10	5	9
2	120	9.00	3.50	6.50	—	—	—	—	3.50	7.88	3.50	7.88	8	10	5	8
2½	190	13.44	6.75	10.00	1.00	1.00	1.00	1.00	7.50	17.69	7.13	17.31	11	19	10	18
3	275	13.44	6.75	10.00	1.00	1.00	1.00	1.00	7.50	17.69	7.13	17.31	10	18	9	17
3½	375	13.44	6.75	10.00	1.13	1.13	1.13	1.13	7.63	17.69	7.25	17.31	13	20	12	19
4 (NPT)	500	13.44	6.75	10.00	1.13	1.13	1.13	1.13	7.63	17.69	7.25	17.31	12	19	11	18
4 (flanged)	500	13.44	6.75	10.00	4.00	3.00	4.00	3.00	10.50	19.63	10.13	19.25	14	21	13	20
5 (NPT)	750	13.44	6.75	10.00	1.81	1.81	1.81	1.81	8.38	18.25	8.00	17.88	12	19	11	18
5 (flanged)	750	13.44	6.75	10.00	4.00	3.00	4.00	3.00	10.50	19.56	10.13	19.13	16	23	15	22
6	1,100	18.00	9.50	14.00	4.00	3.00	4.00	3.00	13.31	25.25	12.75	24.75	31	43	23	35
8	2,200	20.00	18.00	14.00	4.00	3.00	4.00	3.00	21.88	33.88	21.38	33.38	43	56	30	43
10	3,000	24.00	11.50	18.00	4.00	3.00	4.00	3.00	15.38	29.25	14.19	28.13	52	83	41	67
12	4,300	24.00	11.50	18.00	4.00	3.00	4.00	3.00	15.38	29.25	14.19	28.13	64	91	48	75
14	5,900	30.00	15.44	24.00	4.00	3.00	4.00	3.00	19.38	36.25	18.25	35.06	97	143	75	121
16	7,700	30.00	15.44	24.00	4.00	3.00	4.00	3.00	19.38	36.25	18.25	35.06	101	145	79	123

All models have a ⅛" FNPT tap for installation of a gauge or manometer to monitor pressure drop. Sizes **½" through 3½"** are standard with female pipe thread connection (FNPT). Sizes 4" and 5" are available with female threads or flanges. Please specify "threaded" or "flanged" when you order 4" and 5" sizes. Sizes **6" through 16"** are standard with 150# ANSI drilled plate flanges. Rated capacity is based upon exit velocity of approximately 5,500 ft/min. If pressure drop allowance permits, capacity may be increased by as much as 50%.
Note: Dimensions (in) and weights (lbs) are nominal and may vary slightly with production models. Request certified drawings of specific models for exact dimensions.

CCS/CS/CCF/CF Filter Elements

Three types of filter elements are available for Dürr Universal's cartridge filters and filter-silencers. Pleated paper elements provide the highest efficiency and are considered standard. Pleated felt and wire mesh elements are available for less demanding service with respect to efficiency. The three types of elements are completely interchangeable and will fit all CCS, CS, CF or CCF filter housings.

TECHNICAL PRESENTATION

PLEATED PAPER ELEMENT

Specifications

- High-quality industrial grade filter paper—pleated and oven-cured during production.
- Oven-cured plastisol end caps with molded sealing beads.
- Media efficiency: 99% on 2 microns.
- Maximum operating temperature: 185°F for units with ½" through 16" pipe sizes.

Service Instructions

Because of the low cost of the paper element, it is generally treated as a consumable and replaced when dirty. However, depending on customer preference, the paper element may be cleaned with compressed air and reused.

Compressed Air Cleaning

Carefully direct compressed air (100 PSI maximum) through the dry element, opposite the normal direction of flow. After cleaning, inspect carefully for holes or cracks. If damaged, replace element. *See IOM 94-1341*

PLEATED FELT ELEMENT

Specifications

- Durable polyester felt media—pleated.
- Oven-cured plastisol end caps with molded sealing beads (larger elements for pipe sizes 10", 12", 14", and 16" have metal end caps with closed cell rubber gaskets).
- Media efficiency: 98% on 10 microns.
- Maximum operating temperature: 185°F for units with ½" through 8" pipe sizes, 185°F for units with 10" through 18" pipe sizes using elements with metal end caps.

Service Instructions

Pleated felt elements may be cleaned with compressed air (as described for paper elements) or water and reused.

Water Cleaning

Rap gently to dislodge accumulated dirt, soak thoroughly approximately 15 minutes in warm water and mild detergent. Rinse thoroughly under low-pressure water. Air dry—do not dry with compressed air. After cleaning, inspect carefully for holes or cracks. If damaged, replace element. *See IOM 94-1341*

WIRE MESH ELEMENT

Specifications

- Galvanized wire-mesh media—corrugated construction.
- May be cleaned and reused indefinitely.
- Wire mesh elements are considered "roughing" filters and are not recommended for applications which require efficient filtration of fine particles.
- Approximate efficiency: 93% on 10 microns. When correctly treated efficiency will vary with element oil or adhesive coverage.
- Maximum operating temperature: 200°F for ½" through 16" with oil-free adhesive (flash point of adhesive is 235°F) and 300°F for ½" through 16" without adhesive.

Service Instructions

New elements are delivered pre-treated with Dürr Universal's oil-free adhesive. See page 76 for details. For best efficiency, wire mesh elements must be retreated after each cleaning. Spray the element on both sides with Dürr Universal Oil-Free Adhesive, P/N 81-0323, following the directions on the container. For oil treatment, dip the element in SAE 30–50 motoroil and drain thoroughly before using.

Cleaning

To clean wire mesh elements, wash in solvent or warm water and detergent in a container large enough for complete immersion of element. Rinse completely, drain, and either air dry or use compressed air. After cleaning and drying, retreat the element with oil-free adhesive or oil as described. *See IOM 94-1341*

P (Nom.)	Replacement Element Part Number		
	Paper	Felt	Wire Mesh
½	81-0470	81-1202	81-1035
¾	81-0470	81-1202	81-1035
1	81-0470	81-1202	81-1035
1¼	81-0471	81-1203	81-1036
1½	81-0471	81-1203	81-1036
2	81-0471	81-1203	81-1036
2½	81-1063, 81-0472 (old)	81-1205, 81-1204 (old)	81-1038, 81-1037 (old)
3	81-1063, 81-0472 (old)	81-1205, 81-1204 (old)	81-1038, 81-1037 (old)
3½	81-1063	81-1205	81-1038
4	81-1063	81-1205	81-1038
5	81-1063, 81-0474 (old)	81-1205, 81-1206 (old)	81-1038, 81-1039 (old)
6	81-0475	81-1207	81-1040
8	81-0475 (2)	81-1207 (2)	81-1040, (2) 81-1199 (old)
10	81-1163	81-1209	81-1200
12	81-1163	81-1209	81-1200
14	81-1164	81-1210	81-1201
16	81-1164	81-1210	81-1201

VALUE
VALVE USA

CENTRIC
Butterfly Valve

RUBBER SEATED
VF - 7 Series

LEVER · GEAR · PNEUMATIC
ELECTRIC OPERATED

ALLOWABLE PRESSURE
1.5" - 12.0" : 230 psig
14.0" - 40.0" : 150 psig

INVESTMENT CAST
STAINLESS STEEL BODY
1.5" - 24"(40mm - 600mm)

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VALUE VALVE

RESILIENT SEATED BUTTERFLY VALVES

VALUE
Value in Valving

DESIGN DETAILS AND SPECIFICATIONS

VF-730 (WAFER TYPE)
VF-733 (LUG TYPE)
VF-737 (FLANGE TYPE)

FACE TO FACE: Valve body designed to meet ISO 5752 table 5 short.

TOP WORKS:

24" and below, valve mounting flange and stem shall be per ISO 5211.
28" and above, valve mounting flange per ISO 5211, stem shall be round keyed.

FLANGE REQUIREMENT:

VF-730. VF-733: ANSI 125/150. BS Table E. JIS 10K. DIN PN10. DIN PN16.
All wafers have locating holes for ease of installation.
VF-737: ANSI 150. JIS10K. DIN PN10. DIN PN16

PRESSURE RATING:

Bi-directional bubble-tight shut off to 16bar (230psi)------1.5"~12.0".
10bar (150psi)------14.0"~40.0"

and tested to 110% of full rating 18bar (260psi)------1.5"~12.0"
11bar (160psi)------14.0"~40.0"

SHELL TESTING:

The body strength can stand 150% of full rating.
24bar (340psi)------1.5"~12.0"
15bar (220psi)------14.0"~40.0"

INSTALLATION INSTRUCTIONS:

The valve is designed for use between all types of flat or raised face flanges. DO NOT USE FLANGE GASKETS. The butterfly valve design eliminates the need for gaskets. For proper installation, the space between flanges must be sufficient to permit valve insertion without disturbing the rubber liner flange seal. Note that the disc sealing edge is 45° from the flat of the shaft, but inline with the scribed line. Rotate the stem to position the disc within the body, place the valve between flanges and hand-tighten the bolts. SLOWLY OPEN the valve counterclockwise to check for adequate disc clearance. RETURN THE DISC TO 10% OPEN POSITION and cross tighten all bolts, again check for adequate disc clearance.

STEM RETAINING MECHANISM:

The stem is retained in the body by means of a special "Q" type design when the valve size is under 14.0", and hence the stem can be removed from the body and disc without any special tools.
*Unless you intend to disassemble the valve, do not position the disc in the 135° position.

Anti-Condensed: (On customer's requirement)

DESIGN DETAILS AND SPECIFICATIONS

VF-730 (WAFER TYPE)
VF-733 (LUG TYPE)
VF-737 (FLANGE TYPE)

Cv Values-Valve Sizing Coefficient.

Size		Disc Angle (Open Degree)								
mm	inch	10°	20°	30°	40°	50°	60°	70°	80°	90°
40	1 1/2	0.8	2.8	8.1	16.6	26	42	69	95	132
50	2	1.3	4.4	11.9	25.7	44	70	117	154	226
65	2 1/2	2.3	8.8	21.3	41	71	111	219	281	369
80	3	2.9	11.5	30	56	97	147	250	395	497
100	4	4.4	17	46	84	139	259	422	709	846
125	5	7.6	28	73	138	254	461	701	1214	1454
150	6	12	48	111	205	381	634	1021	1474	2175
200	8	22	75	193	358	670	1164	1833	2703	3655
250	10	33	118	287	528	978	1711	2636	3810	5566
300	12	40	151	365	720	1330	2486	3800	5839	8258
350	14	55	191	456	930	1753	3010	4657	6726	9733
400	16	73	270	594	1260	2308	3956	6300	9476	13406
450	18	88	300	727	1413	2709	4592	7407	11085	15926
500	20	121	405	1005	1980	3611	6257	9960	15338	21935
600	24	163	578	1349	2795	5225	8846	13976	21163	29504
700	28	223	771	1959	3772	7008	12471	20407	29477	43081
750	30	238	819	2079	4001	7434	13229	21649	31271	45703
800	32	301	1138	2693	5304	9635	16524	26935	36987	53814
900	36	385	1466	3452	6859	12648	21275	34815	50185	71421
1000	40	597	2245	5214	9309	15788	25669	42120	63939	80583
1050	42	687	2411	5352	9826	16665	27095	44459	67490	85058
1100	44	823	3082	7109	10230	19436	30924	50837	79709	92686
1200	48	1134	4256	9481	16591	25865	41321	67652	105788	124357

Cv value denotes the flow rate in US gallon/min for water at 70° F under a pressure differential 1 psig. When required Kv = Cv/1.17

Expected Seating/ Unseating Torque (in Lbs)

Size		Lubricating (Non-corrosive) ΔP (psig)				Dry (Non-Lubricating) ΔP (psig)			Reduced Disc Diameter P (90 psig)	
mm	inch	45	90	150	230	45	90	150	Lubricating	Dry
40	1 1/2	133	151	169	204	169	186	204	93	118
50	2	133	151	169	204	169	186	204	93	118
65	2 1/2	159	177	195	231	195	213	239	112	136
80	3	248	275	301	363	301	337	372	174	211
100	4	328	363	399	478	399	443	496	229	279
125	5	540	602	673	806	673	744	823	378	471
150	6	1027	1124	1239	1363	1116	1222	1346	719	781
200	8	1514	1682	1868	2239	1868	2071	2301	1060	1308
250	10	2434	2709	3009	3611	3009	3346	3717	1705	2108
300	12	3372	3744	4160	4992	4160	4620	5133	2362	2914
350	14	4824	5355	5948		5948	6611	7346	3379	4166
400	16	6443	7160	7957		7957	8842	9824	4514	5574
450	18	8072	8965	9965		9966	11072	12302	5654	6981
500	20	10045	11160	12399		12399	13780	15311	7037	8686
600	24	11727	13027	14479		14479	16090	17877	8215	10143
700	28	20701	23002	25559		25559	23400	31560	14502	17905
750	30	23081	25648	28497		28497	31666	35179	16169	19964
800	32	26621	29577	32860		32860	36507	40560	18649	23020
900	36	33878	36639	42826		41826	46472	51631	23733	26301
950	38	39073	43542	58499		48233	53543	62835		
1000	40	45047	50268	67437		55578	62039	83279	28755	35501
1050	42								33765	41682
1100	44								34124	42135
1200	48								43015	53108

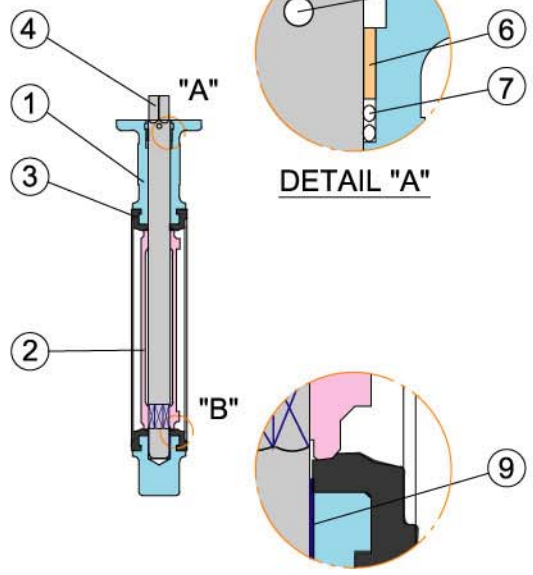
To Use The Torque Chart, Note The Following

1) Seating/Unseating torque values above include friction bearing torque for stated Δ P.
2) Do not apply a safety factor to above torque values when determining actuator output torque requirement.

VALUE
Value in Valving

MATERIALS
1.5"~24.0"

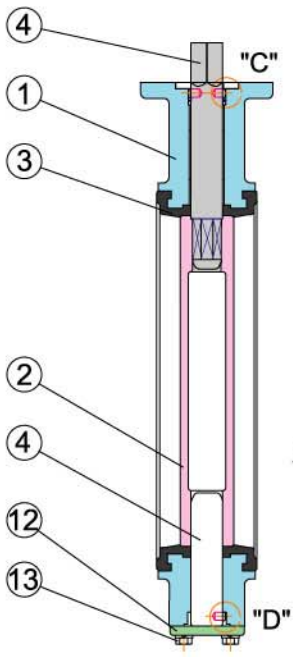
VF-730 (WAFER TYPE)
VF-733 (LUG TYPE)
VF-737 (FLANGE TYPE)

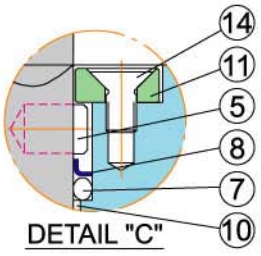


DETAIL "A"

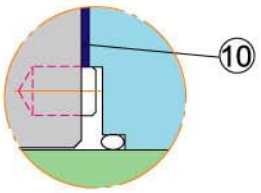
Size 1.5" to 12.0"

DETAIL "B"

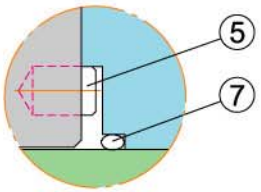




DETAIL "C"



DETAIL "D" For St / St Body



Size 14.0" to 24.0"

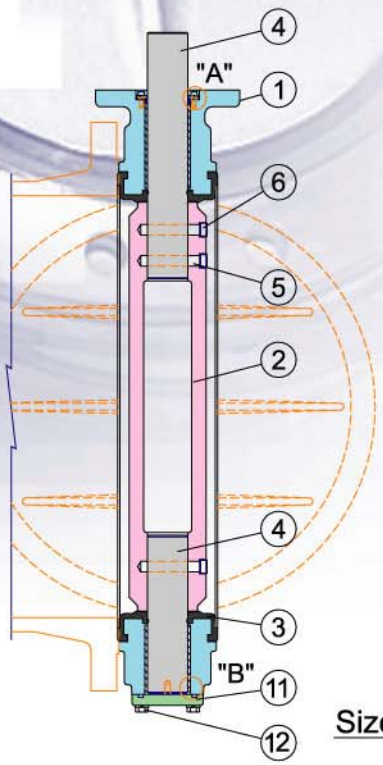
DETAIL "D" For DI. & CI. Body

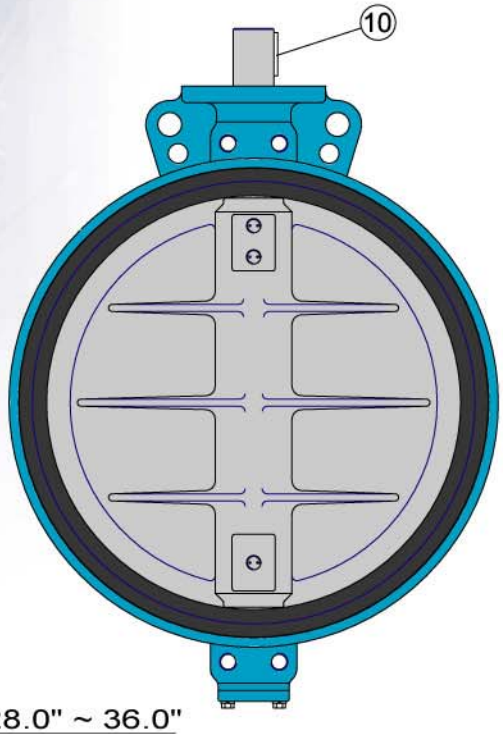
No.	Name	Materials	Specifications JIS	Specifications ASTM	Remark
1	Body	CAST IRON	FC 200	A126 Cl. B	
		DUCTILE IRON	FCD 400	A395	
		STAINLESS STEEL	SCS 13A	A351 Gr. CF8	
			SCS 14A	A351 Gr. CF8M	
2	DISC	DUCTILE IRON	FCD 400	A395	Nylon 11 coated
		STAINLESS STEEL	SCS 13A	A351 Gr. CF8	
			SCS 14A	A351 Gr. CF8M	
		ALU-BRONZE	ALBC2	B148 C95400	
3	SEAT	NBR (NITRILE)			-10° ~ 80C° (14° ~ 176°F)
		EPDM			-20° ~ 120C° (-4° ~ 248°F)
		WHITE EPT	100PSIG MAX		-20° ~ 140C° (-4° ~ 284°F)
		NEOPRENE (CR)			0° ~ 80C° (32° ~ 176°F)
		SILICON	100PSIG MAX		-20° ~ 180C° (-4° ~ 356°F)
		HYPALON (CSM)			-20° ~ 135C° (-4° ~ 275°F)
		VITON	100PSIG MAX		-18° ~ 204C° (-0.4° ~ 400°F)
4	STEM	STAINLESS STEEL	SUS 410	A 182 Gr. F6A	
			SUS 304	A 182 Gr. F304	
			SUS 316	A 182 Gr. F316	
5	PIN	STAINLESS STEEL	SUS 304	A 182 Gr. F304	
6	BUSHING	DELRIN			
7	O-RING	NBR (NITRILE)			
8	THRUST RING	STAINLESS STEEL	SUS 304	A 240 Gr. 304	
9	BUSHING	BRONZE	BC6	B62	For cast iron and ductile iron body
10	BUSHING	RTFE+STAINLESS STEEL	RTFE+SUS316	RTFE+A240 Gr. 316	For stainless steel body
11	UPPER COVER	CAST IRON	FC 200	A126 Cl. B	For cast iron and ductile iron body
		STAINLESS STEEL	SCS 13A	A351 Gr. CF8	For stainless steel body
12	BOTTOM COVER	CAST IRON	FC 200	A126-B	For cast iron and ductile iron body
		STAINLESS STEEL	SCS 13A	A351 Gr. CF8	For stainless steel body
13	BOLT	STEEL			
14	BOLT	STEEL			

VALUE
Value in Valving

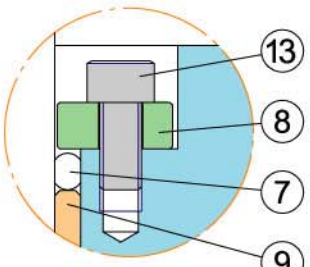
MATERIALS
28.0"~36.0"

VF-730 (WAFER TYPE)
VF-737 (FLANGE TYPE)

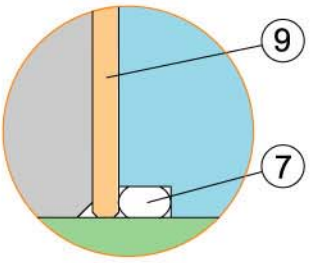




Size 28.0" ~ 36.0"



DETAIL "A"



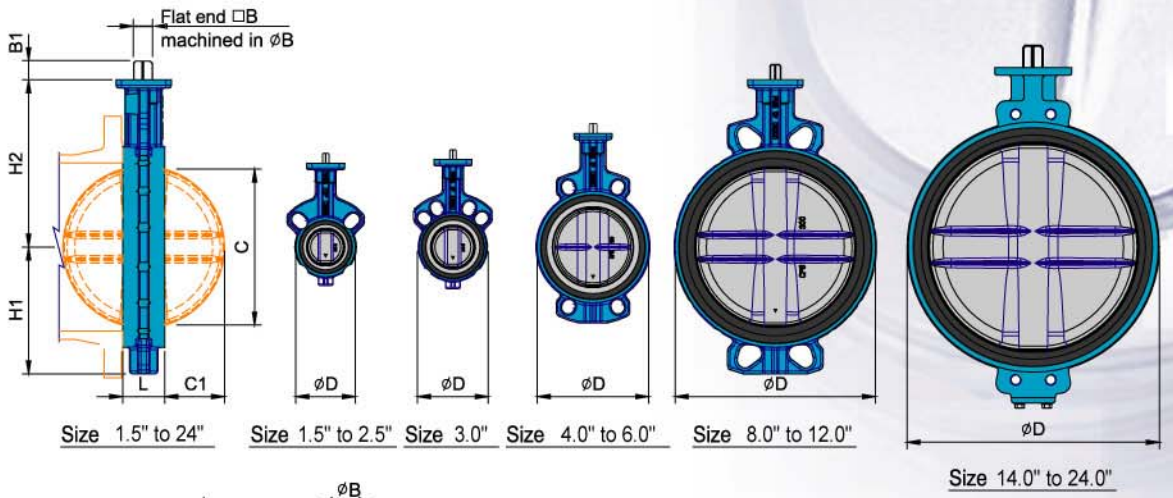
DETAIL "B"

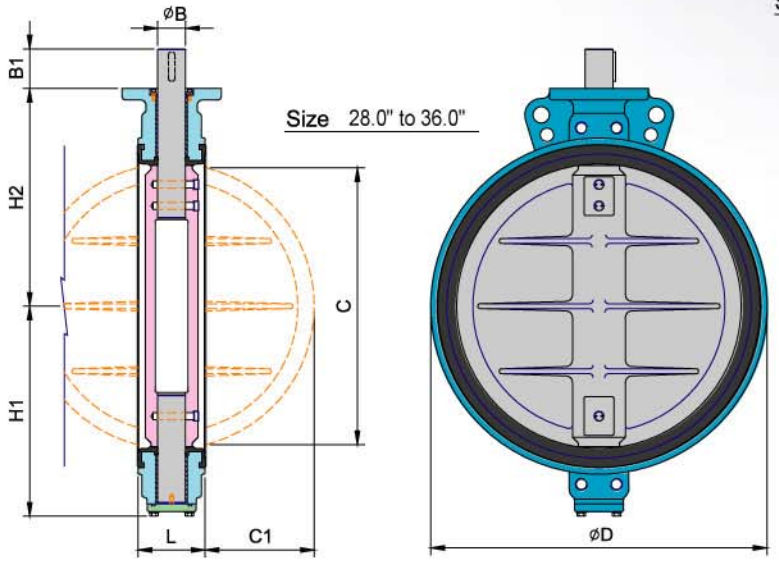
No.	Name	Materials	Specifications JIS	Specifications ASTM	Remark
1	Body	DUCTILE IRON	FCD 400	A395	
		STAINLESS STEEL	SCS 13A	A351 Gr. CF8	
			SCS 14A	A351 Gr. CF8M	
2	DISC	DUCTILE IRON	FCD 400	A395	Nylon 11 coated
		STAINLESS STEEL	SCS 13A	A351 Gr. CF8	
			SCS 14A	A351 Gr. CF8M	
		ALU-BRONZE	ALBC2	B148 C95400	
3	SEAT	NBR (NITRILE)			-10°~ 80C°(14°~176°F)
		EPDM			-20°~120C°(-4°~248°F)
		WHITE EPT	100PSIG MAX		-20°~140C°(-4°~284°F)
		NEOPRENE (CR)			0°~ 80C°(32°~176°F)
		SILICON	100PSIG MAX		-20°~180C°(-4°~356°F)
		HYPALON (CSM)			-20°~135C°(-4°~275°F)
		VITON	100PSIG MAX		-18°~204C°(-0.4°~400°F)
4	STEM	STAINLESS STEEL	SUS 410	A 182 Gr. F6A	
			SUS 304	A 182 Gr. F304	
			SUS 316	A 182 Gr. F316	
5	PIN	STAINLESS STEEL	SUS 304	A 182 Gr. F304	
6	PLUG	STAINLESS STEEL			
7	O-RING	NBR (NITRILE)			
8	UPPER COVER	STEEL	SS400	A36	For cast iron and ductile iron body
		STAINLESS STEEL	SUS 304	A240 Gr. 304	For stainless steel body
9	BUSHING	BRONZE	BC6	B62	For cast iron and ductile iron body
		RTFE+STAINLESS STEEL	RTFE+SUS316	RTFE+A240 Gr. 316	For stainless steel body
10	KEY	STEEL			
11	BOTTOM COVER	CAST IRON	FC 200	A126 Cl. B	For cast iron and ductile iron body
		STAINLESS STEEL	SCS 13A	A351 Gr. CF8	For stainless steel body
12	BOLT	STEEL			
13	BOLT	STEEL			

VALUE
Value in Valving

DIMENSIONS
VF-730 WAFER TYPE
1.5"~36.0"

PRESSURE RATING:
1.5"~12.0" 230psig
14.0"~36.0" 150psig



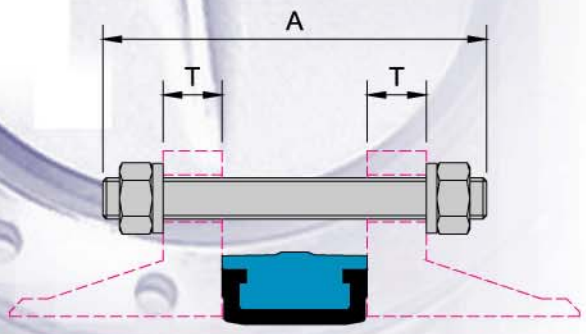


Size		Face to Face				Mounting Flange (ISO 5211)		Shaft End			Key	Disc Clearance		Weight
mm	inch	L	H1	H2	D	Type	PCD	øB	□B	B1		C	C1	lbs
40	1 1/2	1.30	2.36	4.72	3.19	F07	2.76	0.55	0.43	0.75		1.34	0.28	4.40
50	2	1.69	2.56	5.63	3.78	F07	2.76	0.55	0.43	0.75		1.54	0.32	6.60
65	2 1/2	1.81	2.80	6.10	4.33	F07	2.76	0.55	0.43	0.75		2.17	0.51	8.36
80	3	1.81	3.03	6.38	4.88	F07	2.76	0.55	0.43	0.75		2.72	0.75	8.80
100	4	2.05	4.21	7.13	5.83	F07	2.76	0.55	0.43	0.75		3.58	1.06	11.66
125	5	2.20	4.80	7.76	7.09	F07	2.76	0.71	0.55	0.75		4.53	1.42	16.06
150	6	2.20	5.51	8.27	8.11	F07	2.76	0.71	0.55	0.75		5.51	1.85	18.04
200	8	2.36	6.50	9.45	10.20	F10	4.02	0.87	0.67	0.95		7.32	2.68	29.70
250	10	2.68	7.91	11.26	12.60	F10	4.02	0.98	0.75	0.95		9.41	3.54	46.64
300	12	3.07	9.21	12.17	14.57	F10	4.02	1.10	0.87	0.95		11.34	4.37	71.50
350	14	3.07	11.93	12.95	16.22	F12/14	4.92/5.51	1.38	1.06	1.14		12.80	5.04	105.60
400	16	4.02	13.19	14.21	18.70	F12/14	4.92/5.51	1.38	1.06	1.14		14.76	5.63	132.00
450	18	4.49	14.29	15.47	20.87	F14/16	5.51/6.50	1.89	1.42	1.50		16.65	6.38	176.00
500	20	5.00	15.63	16.81	23.03	F14/16	5.51/6.50	1.89	1.42	1.50		18.62	7.17	275.00
600	24	6.06	18.07	19.37	27.05	F16	6.50	2.36	1.81	1.89		22.05	8.43	440.00
700	28	6.50	20.12	22.17	31.34	F16	6.50	2.76		3.54	.071 X 0.47	25.79	10.04	869.00
750	30	7.48	21.42	23.03	33.70	F25	10.00	2.95		4.33	0.79 X 0.47	27.24	10.39	1078.00
800	32	7.48	23.31	24.80	34.25	F25	10.00	3.15		4.33	0.79 X 0.47	28.98	11.22	1276.00
900	36	7.99	24.88	25.98	39.49	F25	10.00	3.35		4.33	0.94 X 0.63	33.11	13.03	1606.00

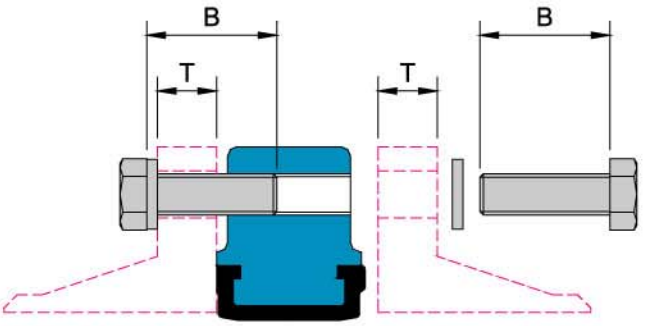
VALUE
Value in Valving

BOLTING FOR INSTALLATION

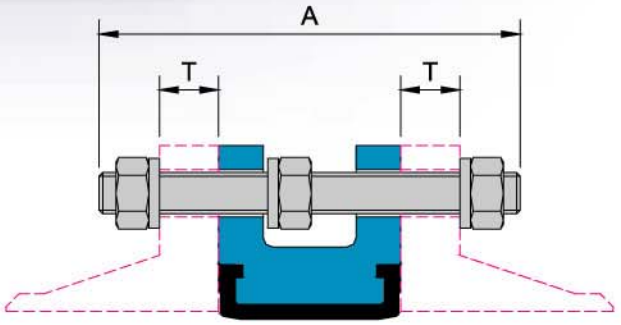
VF-730 (WAFER TYPE)
VF-733 (LUG TYPE)
VF-737 (FLANGE TYPE)



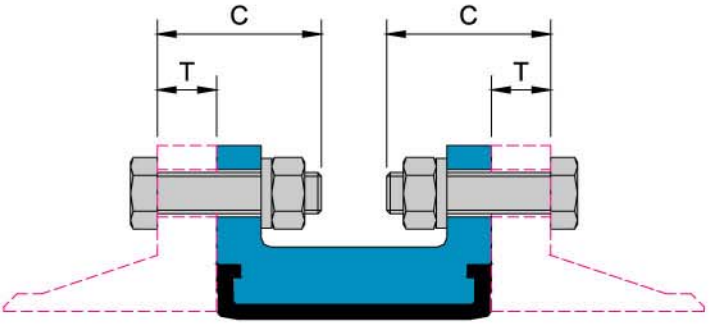
VF-730 WAFER TYPE
1.5" to 36.0"



VF-733 FULL LUG TYPE
1.5" to 24.0"



VF-737 FLANGE TYPE
20.0"



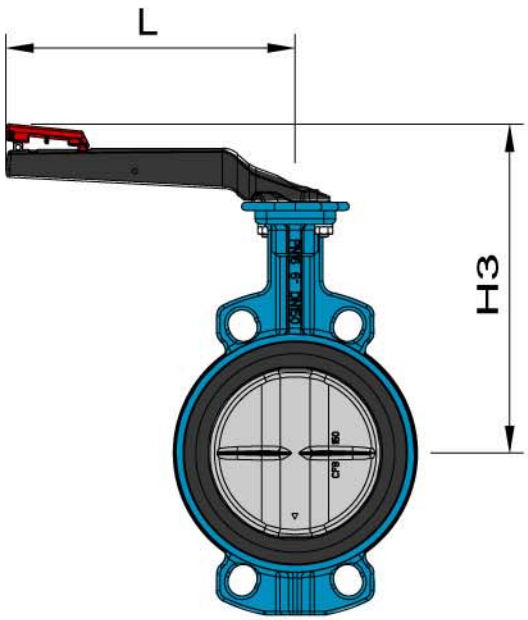
VF-737 FLANGE TYPE
24.0" to 40.0"

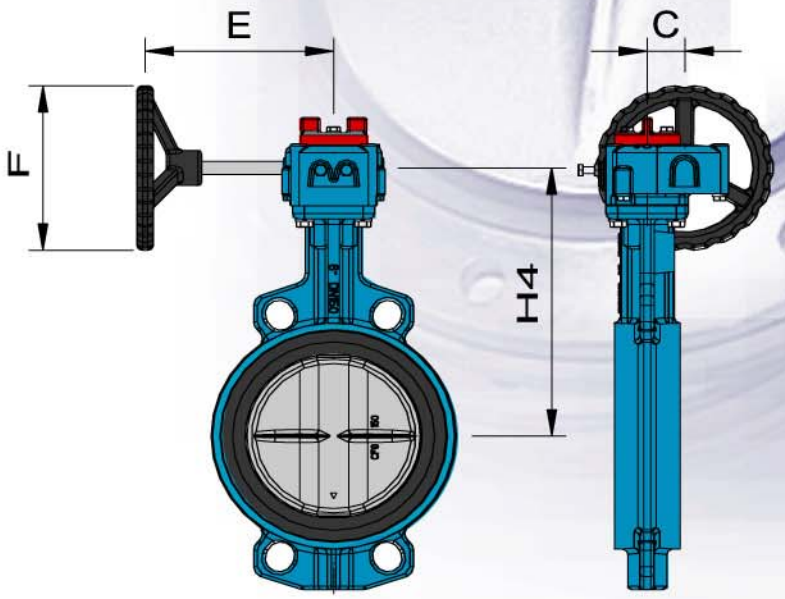
Size		PN10					PN16					ASME B 16.50 CLASS 150 ASME B 16.47 CLASS 150 SERIES A					JIS 10K				
mm	inch	Bolt Size	A	B	C	T	Bolt Size	A	B	C	T	Bolt Size	A	B	C	T	Bolt Size	A	B	C	T
40	1 1/2	M16	115	35		18	M16	115	35		18	1/2 - 12X4	4.1	1.38		0.71	M16	110	35		16
50	2	M16	130	40		20	M16	130	40		20	5/8 - 11X4	4.9	1.57		0.75	M16	120	40		116
65	2 1/2	M16	130	45		20	M16	130	45		20	5/8 - 11X4	5.3	1.77		0.87	M16	125	45		18
80	3	M16	130	45		20	M16	130	45		20	5/8 - 11X4	5.5	1.77		0.94	M16	125	45		18
100	4	M16	140	50		22	M16	140	50		22	5/8 - 11X8	5.7	1.97		0.94	M16	135	45		18
125	5	M16	145	50		22	M16	145	50		22	3/4 - 10X8	6.1	2.17		0.94	M20	145	55		20
150	6	M20	160	55		24	M20	160	55		24	3/4 - 10X8	6.3	2.17		0.98	M20	155	55		22
200	8	M20	165	55		24	M20	160	55		24	3/4 - 10X8	6.7	2.36		1.1	M20	160	55		22
250	10	M20	175	60		26	M24	180	60		26	7/8 - 9X12	7.3	2.56		1.18	M22	175	60		24
300	12	M20	185	60		26	M24	195	70		28	7/8 - 9X12	7.9	2.76		1.26	M22	185	60		24
350	14	M20	185	60		26	M24	200	70		30	1 - 8X12	8.5	2.95		1.38	M22	185	65		26
400	16	M24	220	65		26	M27	235	80		32	1 - 8X16	9.7	3.15		1.46	M24	225	70		28
450	18	M24	235	70		28	M27	265	85		40	1 1/8 - 8X16	10	3.35		1.57	M24	240	70		30
500	20	M24	250	70		28	M30	290	100		44	1 1/8 - 8X20	11	3.54		1.69	M24	250	70		30
600	24	M27	295	80	100	34	M33	345	110	130	54	1 1/4 - 8X20	13	3.94	4.72	1.89	M30	295	80	100	32
700	28	M27	295		100	30	M33	325		120	38		15		5.91	2.8	M30	310		110	34
750	30											1 1/4 - 8X28	17		5.91	2.95	M30	335		110	36
800	32	M30	330		110	32	M36	355		120	38		18		6.69	3.19	M30	335		110	36
900	36	M30	345		110	34	M36	370		130	40	1 1/2 - 8X32	19		7.09	3.54	M30	355		120	38
950	38												19		7.28	3.43					
1000	40	M33	365		125	34	M39	395		140	42		19		7.48	3.54	M36	385		135	40

VALUE
Value in Valving

LEVER & GEAR OPERATED

VF-730 (WAFER TYPE)
VF-733 (LUG TYPE)
VF-737 (FLANGE TYPE)





Size		Operator Series No.	Lever Operator		Gear Operator				Handwheel Turns ON/OFF	Mounting Flange (ISO 5211)	
mm	inch		H3	L	H4	C	E	F	N	Type	PCD
40	1 1/2	L 7A	7.68	7.87						F07	2.76
		C 07			6.18	1.61	6.1	5.91	10		
50	2	L 7A	8.58	7.87						F07	2.76
		C 07			7.09	1.61	6.1	5.91	10		
65	2 1/2	L 7A	9.06	7.87						F07	2.76
		C 07			7.56	1.61	6.1	5.91	10		
80	3	L 7A	9.33	7.87						F07	2.76
		C 07			7.83	1.61	6.1	5.91	10		
100	4	L 7A	10.08	7.87						F07	2.76
		C 07			8.58	1.61	6.1	5.91	10		
125	5	L 7B	10.71	9.84						F07	2.76
		C 07			9.21	1.61	6.1	5.91	10		
150	6	L 7B	11.22	9.84						F07	2.76
		C 07			9.72	1.61	6.1	5.91	10		
200	8	L10	12.76	13.98						F10	4.02
		C10			11.06	2.48	7.68	7.87	9		
250	10	L 10	14.57	13.98						F10	4.02
		C 10			12.87	2.48	7.68	7.87	9		
300	12	L 10	15.47	13.98						F10	4.02
		C 10			13.78	2.48	7.68	7.87	9		
350	14	C 12			14.57	2.4	9.13	12.2	9	F12	4.92
400	16	C 12			15.82	2.4	9.13	12.2	9	F12	4.92
450	18	C 14			17.52	3.19	11.02	15.75	13	F14	5.51
500	20	C 14			18.86	3.19	11.02	15.75	13	F14	5.51
600	24	A2			21.57	4.84	12.09	15.75	17.5	F16	6.5
700	28	A2			24.37	4.84	12.09	15.75	17.5	F16	6.5
750	30	A3+S3			28.74	6.3	14.57	15.75	52	F25	10
800	32	A3+S3			30.51	6.3	14.57	15.75	52	F25	10
900	36	A3+S3			31.69	6.3	14.57	15.75	52	F25	10
950	38	A3+S3			34.41	6.3	14.57	15.75	52	F25	10
1000	40	A4+S4			37.2	7.76	18.54	23.62	90	F30	11.73

VALUE
Value in Valving

INVESTMENT CAST STAINLESS STEEL BODY

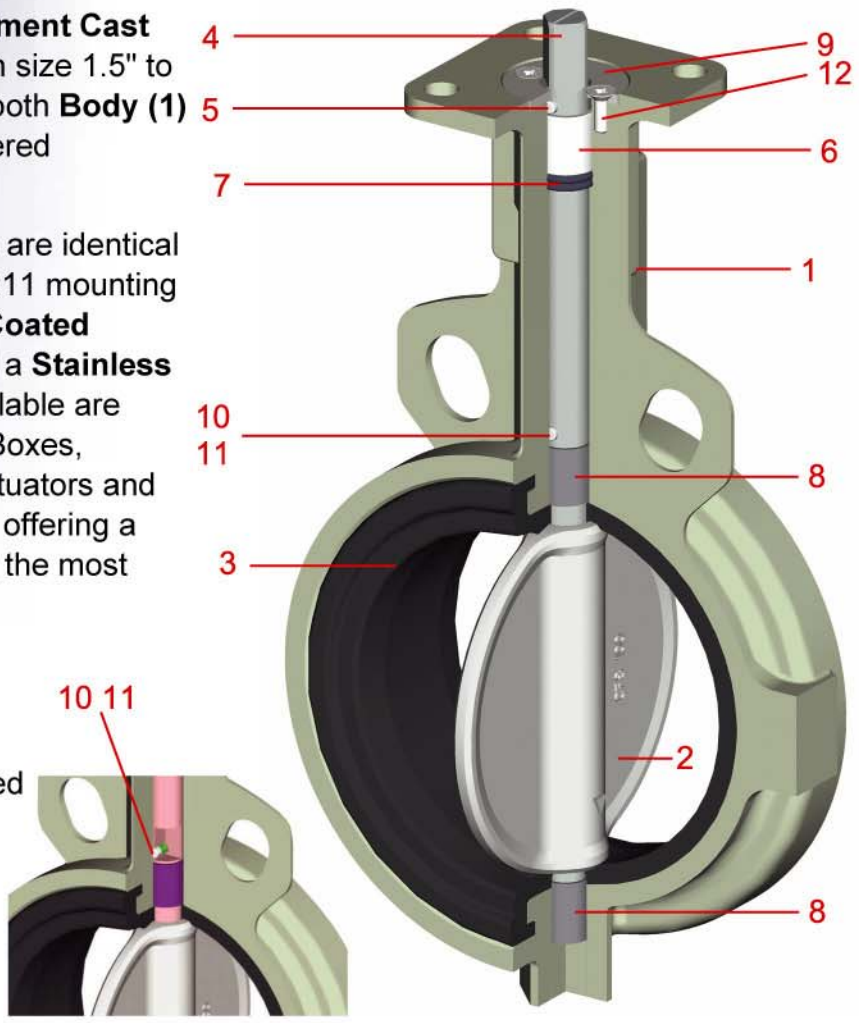
PRESSURE RATING:
1.5"~24.0" 230psig

Value Valves offers a line of **Investment Cast Stainless Steel Butterfly Valves** in size 1.5" to 24.0". Available in Wafer and Lug, both **Body (1)** and **Disc (2)** are low profile engineered investment cast.

The basics features of these valves are identical to the VF730/733 vales with ISO-5211 mounting but offer **Top and Bottom Teflon Coated Stainless Steel Bushings (8)**, and a **Stainless Stem Retainer Pin Cover (9)**. Available are Stainless Steel Handles and Gear Boxes, Stainless Steel Rack and Pinion Actuators and Stainless Steel Limit Switch Boxes, offering a high level of corrosion resistance in the most aggressive atmospheres.

All valves are equipped with **Anti-Static Spring Loaded Stem Pin (10)(11)**, reducing the build up of static electricity possibly produced due to the isolation of the disc and stem from the body by the rubber seat.

Available are various seats including Food Grade White EPT



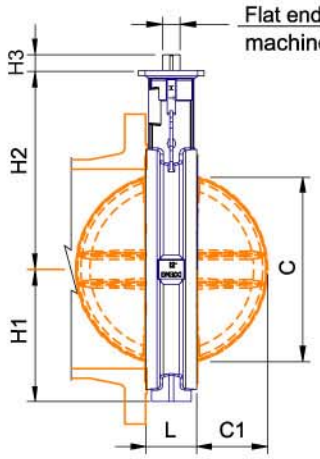
No.	Name	Materials	Specifications		Remark
			JIS	ASTM	
1	BODY	STAINLESS STEEL	SCS 13A	A351 Gr. CF8	
			SCS 14A	A351 Gr. CF8M	
2	DISC	STAINLESS STEEL	SCS 13A	A351 Gr. CF8	
			SCS 14A	A351 Gr. CF8M	
3	SEAT	NBR (NITRILE)			-10° ~ 80°C (14°~ 176°F)
		EPDM			-20° ~ 120°C (-4° ~ 248°F)
		WHITE EPT			-20° ~ 140°C (-4° ~ 284°F)
		NEOPRENE (CR)			0° ~ 80°C (32°~ 176°F)
		SILICON			-20° ~ 180°C (-4° ~ 356°F)
		HYPALON (CSM)			-20° ~ 135°C (-4° ~ 275°F)
		VITON			-18° ~ 204°C (-0.4°~ 400°F)
4	STEM	STAINLESS STEEL	SUS 410	A182 Gr. F6A	
			SUS 304	A182 Gr. F304	
			SUS316	A182 Gr. F316	
5	PIN	STAINLESS STEEL	SUS304	A182 Gr. F304	
6	BUSHING	DELRIN			
7	O-RING	NBR (NITRILE)			
8	BUSHING	RTFE + STAINLESS STEEL	RTFE+SUS 316	RTFE+A240 Gr.316	
9	STEM RETAINER	STAINLESS STEEL	SUS 304	A240 Gr. F304	
10	PIN (ANTI-STATIC)	STAINLESS STEEL	SUS 304	A182 Gr. F316	
11	SPRING	STAINLESS STEEL	SUS 304	A240 Gr. F304	
12	SCREW	STAINLESS STEEL	SUS 304	A193 Gr. B8	

VALUE
Value in Valving

INVESTMENT CAST STAINLESS STEEL BODY

PRESSURE RATING:
1.5"~24.0" 230psig

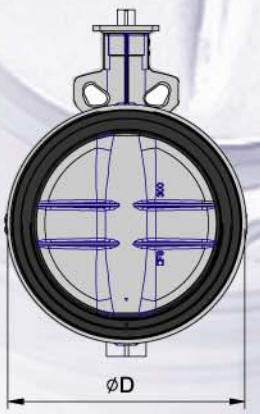
VF-730 WAFER TYPE



Size 1.5" to 12"

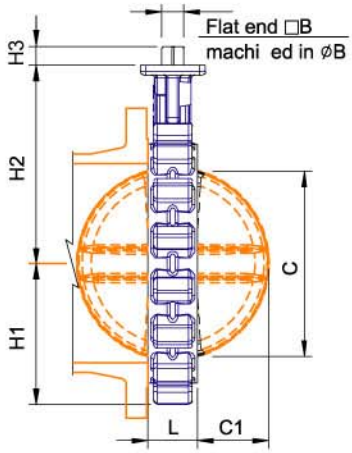
Size 1.5" to 2.5"

Size 3.0"

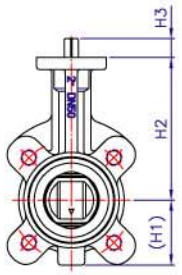


Size 8.0" to 12.0"

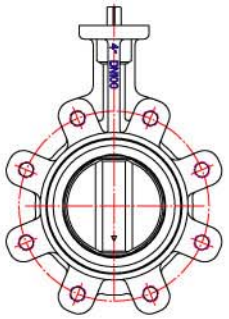
VF-733 LUG TYPE

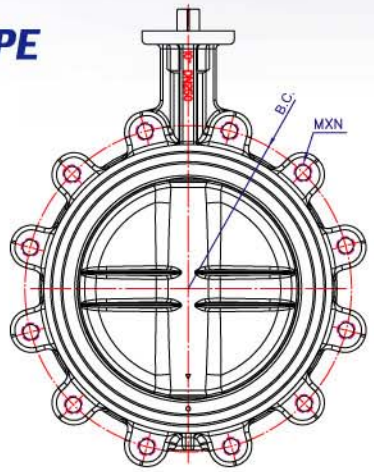


Size 1.5" to 12"



Size 1.5" to 3.0"


Size 4.0" to 8.0"



Size 10.0" to 12.0"

Size		Face to Face					Mounting flange (ISO 5211)		Flat shaft end			Disc clearance		Weight (kg)	
mm	inch	L	H1	H2	D	B.C.	Type	PCD	ϕB	□B	H3	C	C1	VF-730	VF-733
40	1 1/2	1.3	2.36	4.72	3.19	3.88	F07	2.76	0.55	0.43	0.75	1.34	0.28	4.84	5.28
50	2	1.69	2.56	5.63	3.78	4.75	F07	2.76	0.55	0.43	0.75	1.54	0.31	7.26	8.14
65	2 1/2	1.81	2.8	6.1	4.33	5.50	F07	2.76	0.55	0.43	0.75	2.17	0.51	9.02	9.46
80	3	1.81	3.03	6.38	4.96	6.00	F07	2.76	0.55	0.43	0.75	2.72	0.75	9.46	10.78
100	4	2.05	3.58	7.13	5.83	7.50	F07	2.76	0.55	0.43	0.75	3.58	1.06	12.54	18.04
125	5	2.2	4.06	7.75	7.09	8.50	F07	2.76	0.71	0.55	0.75	4.53	1.42	17.38	22.68
150	6	2.2	4.72	8.27	8.11	9.50	F07	2.76	0.71	0.55	0.75	5.51	1.85	19.58	24.86
200	8	2.36	5.67	9.45	10.2	11.75	F10	4.02	0.87	0.67	0.95	7.32	2.68	32.12	41.56
250	10	2.68	6.85	11.26	12.8	14.25	F10	4.02	0.96	0.75	0.95	9.41	3.54	50.16	63.14
300	12	3.07	8.11	12.17	14.68	17.00	F10	4.02	1.1	0.87	0.95	11.34	4.37	77.44	100.62

Butterfly Valve Numbering System

Ordering Matrix

4.0"	VF730	-	2	-	4	-	3		4	-	D	-	1	-	A
SIZE	STYLE		BODY		SEAT		DISC	STEM	OPERATOR (*see legend)		LIMIT SWITCH		SOLENOID / MOTOR		POSITIONER
	WAFER		CAST IRON		BUNA N		316SS	410SS	Air Operated@80 PSIG, U/C, D/A		SPDT, NEMA4, BEACON		120 VAC		A
								(NOTE 2)							
1.5"	VF-730-WAFER RS		1-DUCTILE IRON		1-VITON		0-ENP DUCTILE IRON	410SS STANDARD ON ALL IRON BODY VALVES	0 -BARE STEM		A -NONE		0- NONE		A -NONE
2.0"	VF-733-LUG RS		2-CAST IRON		2-EPDM		1-NYLON / DUCTILE IRON		1 -INFINITE POSITION		B -SPDT, NEMA4, FLAT TOP		1 - 120/1/60 VAC		B-3-15 PSIG
2.5"	VF-737 FLANGED RS		3-CARBON STEEL		3-EPT-WHITE		2-NYLON/ DUCTILE IRON U/C	F-304SS	2 -10 POSITION HANDLE		C -DPDT, NEMA4, FLAT TOP		2- 220/1/60 VAC		C-4-20 Ma
3.0"	VF-810 WAFER H.P.		4-316SS		4 -BUNA N		3-316SS	M-316SS	3 -GEAR OPERATOR WITH WHEEL		D-S PDT, NEMA4, BEACON		3- 24/1/60 VAC		D-1-5 VDC
4.0"	VF-813 LUG H.P.		5-304SS		5-EPT		4-316SS U/C	P- 17-4 Ph	4 -A/O@80 PSIG, U/C, D/A		E -DPDT, NEMA4, BEACON		4- 220/3/60 VAC		E-2-10 VDC
5.0"	VF-910 WAFER H.P.		6-CAST IRON NYLON COATED		6-SILICONE		5-ALUMINUM BRONZE	X-XM19	5 -A/O@60 PSIG, U/C, D/A		F -SPDT, NEMA7, FLAT TOP		5 -380/3/60 VAC		
6.0"	VF-913 LUG H.P.		7-DUCTILE IRON NYLON COATED		7-HYPALON		6-ALUMINUM BRONZE U/C	L-316L SS	6 -A/0@80 PSIG, F/P, D/A		G -DPDT, NEMA7, FLAT TOP		6 -440/3/60 VAC		
8.0"	VF-920 WAFER H.P.				8 -NEOPRENE		7-HAYLAR / DUCTILE IRON		7 -A/O@60 PSIG, F/P, D/A		H -SPDT, NEMA7, BEACON		7-12 VDC		
10.0"	VF-923 LUG H.P.				9-PTFE / BUNA		8-NYLON COATED 316SS		8 -A/O@80 PSIG, U/C, S/R		J -DPDT, NEMA7, BEACON		8-24 VDC		
12.0"	VF-930 WAFER H.P.				10-PTFE		9-ENP SS		9 -A/O@60 PSIG, U/C, S/R		K -E/O 2 SPDT		9-12 VAC		
14.0"	VF-933 LUG H.P.				11-GRTFE		10-304 SS		10-A/O@80 PSIG, F/P, S/R		L -E/O 4 SPDT		10-24 VAC		
16.0"	VF-940 WAFER H.P				12-GLTFE		11-304 SS U/C		11-A/O@60 PSIG, F/P, S/R		S -PLEASE SPECIFY				
18.0"	VF-943 LUG H.P.				13-FS FIRE SAFE/PTFE		12-316 SS U/C POLISHED		12-E/O FULL PRESSURE						
20.0"	VF-264 AWWA				14-FS FIRE SAFE/GLTFE		13-316 SS POLISHED		13-E/O U/C						
24.0"	VF-504 AWWA				15-PTFE / EPDM		14-DUCTILE IRON								
28.0"	VF-870 WAFER TRIPLE ECC				16-FS FIRE SAFE/GRTFE		15-PTFE COATED 316SS DISK								
30.0"	VF-873 LUG TRIPLE ECC				17-(S) METAL - (NOTE 1)										
32.0"	VF-877 FLANGED TRIPLE ECC														

36.0"			
40.0"	LEGEND:		
42.0"	A/O	-	AIR OPERATED
44.0"	U/C	-	UNDERCUT/90 PSIG
48.0"	F/P	-	FULL PRESSURE
	D/A	-	DOUBLE ACTING
	S/R	-	SPRING RETURN
	E/O	-	ELECTRIC OPERATED

(NOTE 1) See Valve Tag or Order for Complete Details

(NOTE 2) Please specify ONLY If stem material is different from standard 410SS

NYLON COATED:		
STD NYLON BODY	-	BLACK
90 PSIG DISK	-	BLUE
150 PSIG DISK	-	BLACK
230 PSIG DISK	-	GRAY
	-	
	-	

SEE ELECTRIC OPERATOR BROCHURE FOR COMPLETE OPTIONS

REV. 3/2009

VALUE
Value in Valving

VALUE
Value in Valving

MATERIAL CHEMICAL RESISTANCE

The ratings furnished in this listing table have been developed from information furnished by manufacturers of the raw materials, publications and industry applications. This information may be considered as a basis for evaluation, but not as a guarantee.

E = Excellent, recommended. U = Unsatisfactory - = Not tested

G = Good. May sometimes be used depending upon the concentration and temperature. Testing is recommended before full scale usage.

FLUID	NDI	AB	316	Buna-N	EPDM	VITON	PTFE
Acetaldehyde (CH3CHO)	E	E	E	U	E	U	E
Acetamide	G	-	E	E	G	U	E
Acetic Acid (CH3COOH) 50%, < 80°F	G	U	E	U	U	G	E
Acetic Anhydride [(CH3CO)2O] < 80°F	G	U	E	U	G	U	E
Acetone (CH3COCH3) < 70°F	E	E	E	U	G	U	E
Acetophenone	G	-	E	U	G	U	E
Acetylene (C2H2) < 80°F	E	G	E	-	E	E	E
Acrylonitrile (CH2CHCN)	G	E	E	U	G	G	E
Air (Dry)	E	E	E	E	E	E	E
Alcohol n V Amyl	E	E	E	G	E	E	E
Alcohol n V Butyl	E	E	E	G	E	E	E
Alcohol n Methyl	E	E	E	G	E	U	E
Aluminum Sulfate [Al2(SO4)3]	E	U	G	E	E	E	E
Amines	E	G	E	U	G	-	E
Ammonia Solutions	G	U	E	G	G	-	E
Ammonia Hydroxide (NH4OH)	E	U	A	U	G	-	E
Amyl Acetate (CH3COOC5H11)	E	G	E	U	E	U	E
Aniline Dye (C6H5NH2)	G	U	E	U	G	G	E
Aqua Regia (HCl+HNO3)	G	U	U	U	U	G	E
Arsenic Acid (H3AsO4. 1/2 H2O)	G	-	E	U	U	G	E
Asphalt < 150°F	G	E	E	G	U	E	U
Beer	E	U	E	E	E	E	E
Beet Sugar Liquors	E	E	E	E	E	E	E
Benzaldehyde < 80°F	E	E	E	U	U	U	E
Benzene (C6H6) < 70°F	E	E	E	U	U	G	E
Benzoic Acid (C6H5COOH)	E	E	E	U	U	G	E
Black sulfate Liquor	G	U	E	G	G	E	E
Bleaching Powder Solution	G	U	U	U	E	E	E
Brine	E	G	E	E	E	E	E
Butadiene(C4H6)	E	E	E	U	U	E	E
Butyl Acetate (CH3COOC4H9)	E	G	E	U	U	U	E
Butyric Acid < 5%, < 100°F	G	U	E	U	G	G	E
Calcium Bisulfite (Ca(H2SO3) 2	E	U	E	U	G	E	E
Cane Sugar Liquors	E	E	E	E	E	E	E
Carbolic Acid (C6H5OH) < 10%, < 80°F	U	U	E	U	U	U	E
Carbon Dioxide - Dry (CO2)	E	E	E	E	E	E	E
Carbon Dioxide - Wet (CO2)	E	U	E	G	E	E	E
Carbon Disulfide (CS2)	E	E	E	U	U	E	E
Carbon Monoxide (CO)	E	E	E	E	E	E	E
Carbon Tetrachloride (CCl4)	G	E	E	U	U	E	E
Carbonic Acid (CO2.H2O)	E	U	E	G	G	E	E
Cellosolve 2-2	E	-	E	U	G	U	E
Cement	E	E	E	E	E	E	U
China Wood Oil	E	E	E	E	G	E	E
Chlorine Gas (Dry) (Cl2) < 70°F	U	U	U	U	U	G	E
Chlorbenzene (C6H5Cl)	G	E	E	U	U	G	E
Chloroform (CHCl3)	G	E	E	U	U	G	E
Chromic Acid (H2CrO4) < 10% < 70°F	U	U	G	U	U	G	E
Cider	E	E	E	E	E	E	E
Citric Acid < 100°F	E	G	E	E	E	E	E
Citrus Juices	G	G	E	E	E	E	E
Cola Syrup	G	U	E	E	G	E	E
Cresol	-	-	E	U	U	E	E

VALUE
Value in Valving

MATERIAL CHEMICAL RESISTANCE

FLUID	NDI	AB	316	Buna-N	EPDM	VITON	PTFE
Detergents	E	G	E	E	E	E	G
Developers (Photography) < 70°F	E	U	E	E	G	E	E
Dibutyl Phthalate (C16H22O4)	G	U	E	U	G	U	E
Diesel Fuel	E	E	E	E	U	E	E
Diethyl Ether {(C2H5)2O}	G	U	E	U	U	U	E
Diethylene Glycol {(HOCH2CH2)2O}	E	E	E	E	E	E	E
Dowtherm	G	G	E	U	U	E	E
Drilling Mud	E	E	E	E	U	E	U
Dyes	E	E	E	U	U	E	E
Enamel	G	E	E	U	U	G	E
Epoxy Resins	G	G	E	U	U	G	E
Ethane	E	E	E	G	U	-	E
Ethers	G	E	E	U	U	-	E
Ethyl Acetate (CH3COOC2H5)	E	E	E	U	U	U	E
Ethyl Chloride (C2H5Cl) < 5%, < 60°F	E	G	E	G	E	-	E
Ethylene Glycol [C2H4(OH)2] < 100 °F	E	E	E	E	E	E	E
Fatty Acids	E	U	E	E	U	E	E
Ferric Sulfate [Fe2(SO4)3] < 10%, < 70°F	E	U	G	E	E	E	E
Flue Gas	G	U	G	E	U	E	E
Fluoboric Acid (HBF4)	G	-	E	G	G	G	E
Formaldehyde (HCHO) < 40%, < 180°F	E	G	E	U	E	E	E
Formic Acid (HCOOH) < 90%, < 150°F	U	E	E	U	U	U	E
Freons	G	E	E	G	U	U	E
Fruit Juices	E	G	E	E	E	-	E
Furfural (C4H3OCHO)	E	E	E	-	G	-	E
Gas ñ Furnace..	G	E	E	E	U	E	E
Gas Natural	G	E	E	E	U	E	E
Gasoline Regular	E	E	E	E	U	E	E
Glucose (C6H12O6.H2O)	E	E	E	E	E	E	E
Glue	G	E	E	E	E	E	E
Glycols (CH2OHCH2OH)	E	E	E	E	E	E	E
Grease	E	E	E	E	U	E	E
Helium (He)	E	E	E	E	E	E	E
Hexane(C6H14) 100%, < 75°F	E	E	E	E	U	G	E
Hexyl Alcohol	E	E	E	E	U	E	E
Hydrazine(H2N.NH2) < 75°F	E	U	E	U	G	U	E
Hydrochloric Acid (HCl) < 5%, < 100°F	E	U	U	G	E	E	E
Hydrocyanic Acid (HCN) < 75°F	E	U	E	U	G	G	E
Hydrogen Chloride (Gas-Dry) (HCl)	G	U	E	G	E	E	E
Hydrogen Gas	E	E	E	E	E	E	E
Hydrogen Peroxide (H2O2) < 75°F	U	U	E	U	E	E	E
Ink	E	G	E	G	E	E	E
Isobutyl Alcohol < 75°F	E	-	E	E	E	E	E
Isooctane	E	E	E	E	U	G	E
Jet Fuels	E	E	E	E	U	G	E
Kerosene	E	E	E	E	U	G	E
Ketchup	E	U	E	E	E	E	E
Lacquers	G	E	E	U	U	U	G
Lacquer Solvents	G	E	E	U	U	U	G
Lactic Acid(CH3CHOHCOOH)	E	U	E	U	E	E	E
Lard Oil	E	E	E	E	U	E	E
Latex	E	U	E	G	U	G	E
Lead Acetate [Pb(C2H3O2)2.3H2O]	U	U	E	E	E	E	E
Linoleic Acid	E	U	E	U	G	G	E
Liquid Soap	E	-	E	E	E	E	E
Magnesium Carbonate(MgCO3) < 50%	E	U	E	E	G	E	E
Magnesium Chloride (MgCl2/6H2O)	E	U	G	E	E	E	E
Magnesium Oxide (MgO)	G	U	E	E	G	E	E
Magnesium Sulfate (MgSO4) < 25%, < 150°F	E	E	E	E	E	E	E

VALUE
Value in Valving

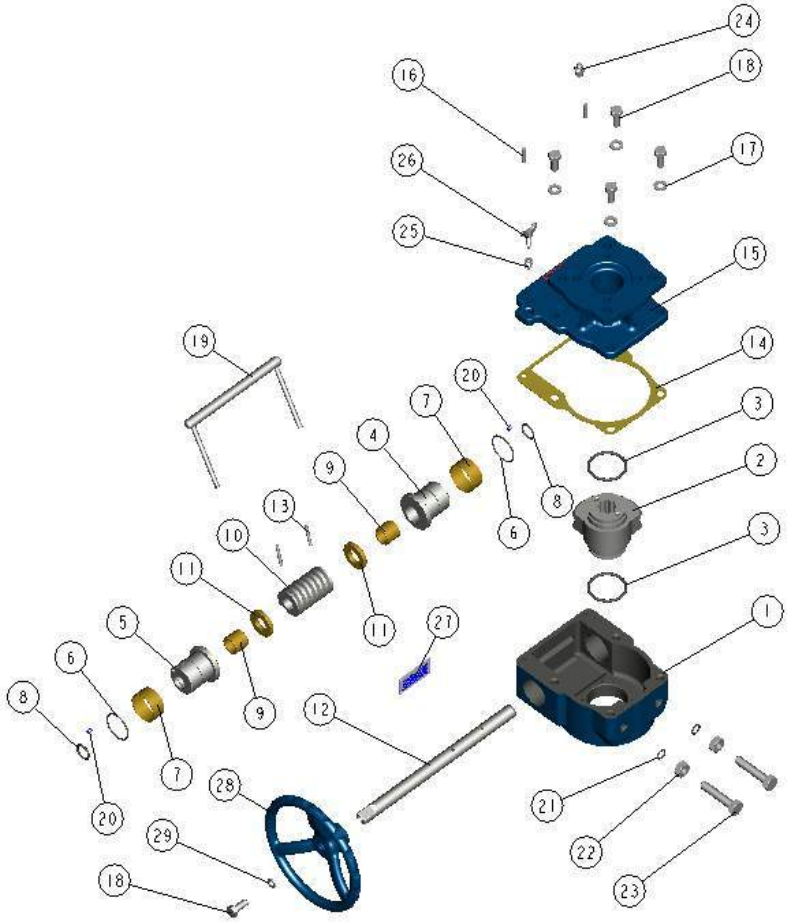
MATERIAL CHEMICAL RESISTANCE

FLUID	NDI	AB	316	Buna-N	EPDM	VITON	PTFE
Maleic Acid (HOOCCHCHCOOH)	E	U	E	U	U	E	E
Mercury (Hg)	E	U	E	E	E	E	E
Methane (CH4)	E	E	E	E	U	G	E
Methyl Alcohol (CH3OH)	E	E	E	G	E	G	E
Methyl Ethyl Ketone (CH3COC2H5) < 70°F	E	E	E	U	G	U	E
Methylene Chloride (CH2CL2)	U	U	E	U	U	U	E
Milk	E	E	E	G	G	-	E
Molasses	E	G	E	E	E	E	E
Monochlorobenzene (CH2ClCOOH)	G	E	E	U	U	G	E
Mustard	E	-	E	-	-	-	E
Naphtha	E	E	E	-	-	G	E
Naphthalene	E	E	E	-	-	-	E
Natural Gas	E	E	E	E	U	E	E
Nitric Acid (HNO3) < 5%, < 100°F	G	U	E	G	E	E	E
Nitrobenzene(C6H5NO2)	G	U	E	U	U	G	E
Nitrogen Gas (N2)	E	E	E	E	E	E	E
Octane	E	E	E	U	U	G	E
Octyl Alcohol	E	-	E	G	E	E	E
Oil – Castor	E	E	E	E	U	-	E
Oil – Coconut	E	U	E	E	G	-	E
Oil – Cod Liver	E	U	E	E	E	-	E
Oil – Cooking	E	U	E	E	U	-	E
Oil – Cottonseed	E	E	E	E	E	-	E
Oil – Creosote	G	E	E	U	U	U	E
Oil – Fish	E	U	E	E	U	G	E
Oil – Lavender	G	-	E	U	U	-	E
Oil – Linseed	E	E	E	E	U	-	E
Oil - Lubricant	E	E	E	E	U	-	E
Oil – Hydraulic (Petrol. Base)	E	E	E	E	U	-	E
Oil – Mineral	E	E	E	E	U	-	E
Oil – Olive	E	G	E	E	G	-	E
Oil – Palm	E	G	E	E	U	-	E
Oil – Peanut	E	G	E	E	U	-	E
Oil – Pine	G	G	E	G	U	U	E
Oil – Rosin	E	E	E	E	U	E	E
Oil – Silicone	E	E	E	E	E	E	E
Oil – Soybean	E	G	E	E	U	E	E
Oil – Transformer	E	E	E	E	U	E	E
Oil – Turbine	E	E	E	E	U	E	E
Oil – Vegetable	E	G	E	E	U	E	E
Oxalic Acid (C2H2O4.2H2O) < 10%, < 80°F	E	U	E	U	E	E	E
Oxygen – Gas (O2)	E	E	E	G	E	E	E
Ozone (O3)	G	-	E	U	G	G	E
Paint (Water Base)	G	E	E	E	U	E	E
Paraffin	E	E	E	E	U	G	E
Penrchlorethylene (C2Cl4)	E	E	E	U	U	U	E
Perchloric Acid (HClO4)	-	-	-	U	G	G	E
Phosphoric Acid (H3PO4) < 80%, < 150°F	G	U	E	U	E	E	E
Potassium Hydroxide (KOH) < 50%, < 100°F	E	U	E	U	G	U	E
Propane (C3H8) < 70°F	E	E	E	E	U	G	E
Propyl Alcohol	E	E	E	G	E	E	E
Propylene Glycol (C3H8O2) < 150°F	E	G	G	G	U	U	E
Pulp Stock < 5%	G	U	E	G	E	G	U
Pyridine Oil (C5H5N)	G	U	E	U	U	U	G
Rum	E	U	E	E	E	-	E
Sewage	E	E	E	E	G	E	E
Shellac	G	E	E	G	U	U	E
Sodium Hydroxide (NaOH) < 50%, < 100°F	E	U	E	G	E	E	E
Sodium Sulfate (NaSO4)	E	E	E	E	E	E	E

VALUE
Value in Valving

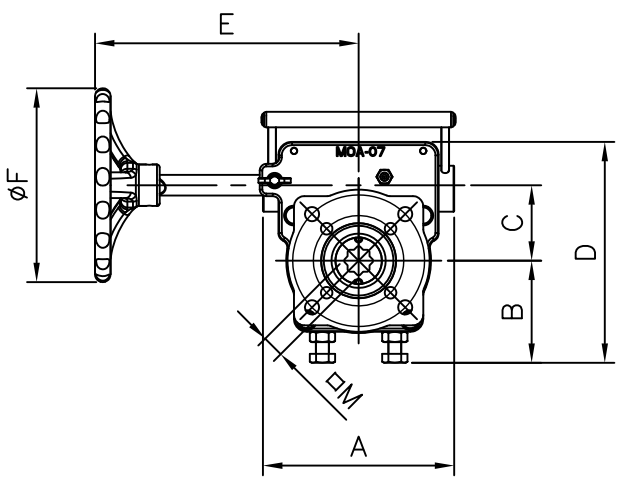
MATERIAL CHEMICAL RESISTANCE

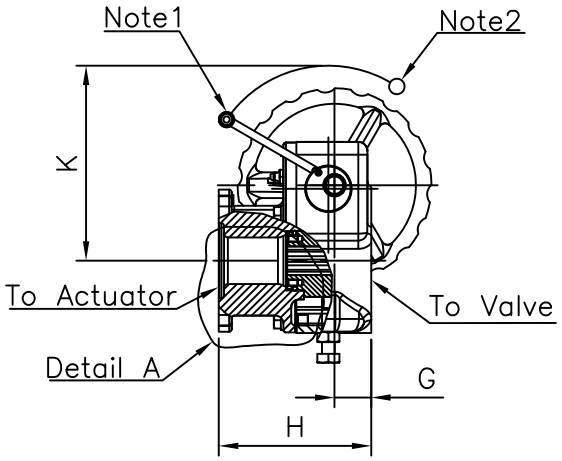
FLUID	NDI	AB	31	Buna-N	EPDM	VITON	PTFE
Sodium Sulfide (NaS) < 70°F	E	U	E	E	E	E	E
Sodium Sulfite (Na2SO3)	E	U	E	E	E	E	E
Sodium Thiosulfate (Na2S2O3.5H2O)	G	U	E	E	E	E	E
Stannic Chloride < 10%, < 120°F	E	U	U	E	G	U	E
Starch Solution (C6H11O5) X	E	E	E	E	E	E	E
Steam L.P. & Hot Water < 220°F	E	E	E	U	E	G	E
Styrene	E	E	E	U	U	U	E
Sugar Solution	E	E	E	E	E	E	E
Sulfite Liquors	G	U	E	G	G	E	E
Sulfur	E	U	E	U	G	G	E
Sulfur Dioxide (SO2) (Dry)	G	E	E	G	E	E	E
Sulfur Dioxide (SO2) (Wet)	G	U	E	U	U	G	E
Sulfuric Acid (H2SO4) < 20%, < 70°F	E	U	E	U	E	E	E
Sulfuric Acid (Fuming)	G	U	E	U	U	G	E
Tannic Acid (C14H10O9)	G	G	E	G	E	E	E
Tar	E	E	E	G	U	G	E
Tartaric Acid [(CHOHCOOH)2] < 10%, < 100°F	E	G	E	E	G	G	E
Toluene (CH3C6H5)	E	E	E	U	U	U	G
Turpentine	G	E	E	G	U	U	E
Urea [CO(NH2)2] < 70°F	E	U	E	E	E	E	E
Vaseline(Petrolatum)	E	E	E	E	U	E	E
Vinegar	E	U	E	G	E	E	E
Water (Acidic Mine)	E	U	E	E	E	E	E
Water (Brackish)	E	E	E	E	E	E	E
Water (Carbonated)	E	U	E	E	E	E	E
Water (Chilled)	E	E	E	E	E	E	E
Water (Cooling)	E	E	E	E	E	E	E
Water (Distilled)	E	U	E	E	E	E	E
Water (Fresh)	E	E	E	E	E	E	E
Water (Hot Water) < 212°F	E	E	E	U	E	E	E
Water (Paint Spray Reclamation)	E	E	E	E	E	E	E
Water (Sea Water)	E	E	E	E	E	E	E
Water (Swimming Pool)	E	E	E	E	E	E	E
Waxes	E	E	E	E	U	E	E
Whiskey	E	U	E	G	E	E	E
Wine	E	U	E	E	E	E	E
Wood Alcohol	E	E	E	G	E	E	E
Wood Pulp	G	U	E	E	E	E	E
Wort	G	G	E	G	E	E	E
Xylene (C8H10)	E	E	E	U	U	U	E
Zinc Acetate [Zn(C2H3O2)2.2H2O]	E	U	E	U	E	E	E



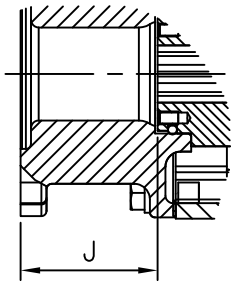
No.	Name	Materials	No.	Name	Materials	No.	Name	Materials
1	BODY	DUCTILE IRON	11	THRUST RING	COPPER	21	O-RING	NBR
2	WORM GEAR	DUCTILE IRON	12	WORM SHAFT	STEEL	22	NUT	STEEL
3	O-RING	NBR	13	SPRING PACKING	SPRING STEEL	23	STOP BOLT	STEEL
4	LAFT CAM	STAINLESS STEEL	14	PACKING	PAPER	24	GREASE NIPPLE	STAINLESS STEEL
5	RIGHT CAM	STAINLESS STEEL	15	COVER	DUCTILE IRON	25	BUSH	STAINLESS STEEL
6	O-RING	NBR	16	PIN	STAINLESS STEEL	26	BOLT	STAINLESS STEEL
7	CAM BUSH	PTFE+SUS 316	17	SPRING WASHER	STEEL	27	NAME PLATE	STAINLESS STEEL
8	O-RING	NBR	18	BOLT	STEEL	28	HAND WHEEL	CAST IRON
9	BUSH	COPPER	19	HANDLE	STAINLESS STEEL	29	WASHER	STEEL
10	WORM	STEEL	20	SETCREW	STEEL			

	Model No.	Gear Ratio	Turns to Close	Output Torque (KG-M)	Input Torque	Max.Stem Bore (mm)	Mounting Patterm	
							To Valve	To Actuator
BVC #	MOA-F07 O5-MOA-1	1:28	7	25	3.57	19	STD：F07	F05/F07 *F07/F10 F10/F12
BVC #	MOA-F10 O5-MOA-2	1:32	8	50	6.25	28	STD：F10 OPT：F07	F07/F10 *F10/F12
BVC #	MOA-F12 O5-MOA-3	1:36	9	100	11	35	STD：F12 OPT：F10	*F10/F12 F12/F14 F14/F16
BVC #	MOA-F14 O5-MOA-4	1:62	15.5	200	13	50	STD：F14 OPT：F12	F12/F14 *F14/F16 F16/F25
BVC #	MOA-F16 O5-MOA-5	1:69	17.25	400	23	80	STD：F16	*F14/F16 F16/F25





1.Actuator operated
2.Hand operated
3.(*)Standard



Detail A

Series NO.	Allowable Valve Stem		Dimensions										OUTPUT TORQUE	Weight	Mounting Pattern			
	Depth	□M	A	B	C	D	E	F	G	H	J	K	(Nm)	kg	To Valve		To Actuator	
MOA-F07	65	17	148	79	58.5	171	204	150	28	118	53	151	250	7	*F07	*M8X4	F05/F07	φ7x4 / φ9X4
																	*F07/F10	φ9X4 /φ11X4
																	F10/F12	φ11X4/φ14X4
MOA-F10	65	22	168	89	59	185	200	200	28.5	128	63	160	500	9.3	*F10 F07	*M10X4 M8X4	F07/F10	φ9X4 /φ11X4
																	*F10/F12	φ11X4/φ14X4
MOA-F12	70	27	180	94	68	197	272	310	30	134	66	170	1000	11.5	*F12 F10	*M12X4 M10X4	*F10/F12	φ11X4/φ14X4
																	F12/F14	φ14X4/φ18X4
																	F14/F16	φ18X4/φ22X4
MOA-F14	73	36	198	113	92	238	232	400	35	133	56	195	2000	15.3	*F14 F12	*M16X4 M12X4	F12/F14	φ14X4/φ18X4
																	*F14/F16	φ18X4/φ22X4
																	F16/F25	φ22X4/φ18X8
MOA-F16	97	46	218	155	133	330	335	400	50	188	88	231	4000	30.5	*F16	*M20X4	*F14/F16	φ18X4/φ22X4
																	F16/F25	φ22X4/φ18X8

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DESN BY	CHK BY	AUTH BY	ISSUE DATE	2011.12.29
POCKY 2011.12.29		STONE 2011.12.29	MATERIAL	
			SCALE	1/5
			UNIT	m/m

MOA
GEAR OPERATED
MOA F07~MOA F16

SIZE	DRAWING NO	REV
A4	MOA GEAR OPERATED	1

US Valve

ISO 9001:2008

Check Valves

Male NPT Connections

Patent Pending

U.S. Valve

We make high-performance check valves that will double your Cv.[1] If you are looking for the lowest possible pressure loss then our resilient hinged double disc valves are what you need.

Durable

Our unique, air-foil designed wing support conditions the flow profile, resulting in a more laminar, less turbulent flow, thus extending the life of the valve. Our valves consistently out-perform all other products on the market today.

Low Maintenance

A protective coating secures our valves against normal atmospheric corrosion and enhances appearance, making priming and painting unecessary.

Reliable

Each of our valves is individually inspected and tested to ensure performance. Most manufacturers will check only random valves. **We test every, single one.**

Highest Quality

Our designs specify the finest materials engineered specifically for each application. We manufacture all our valves with forged wing supports for superior strength against linear loads, and all wing pins and fasteners are made of 316 stainless steel.

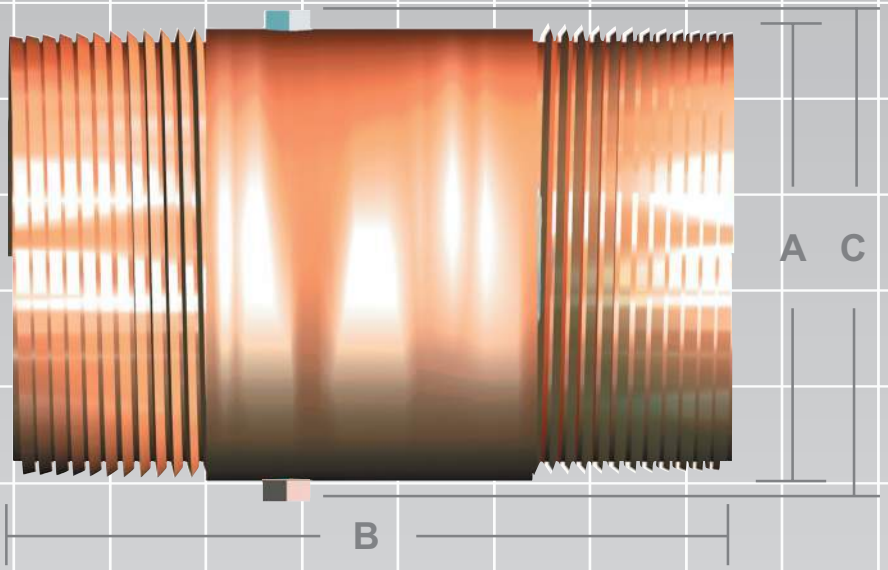
Manufactured by U.S. Valve

Every component is manufactured entirely by U.S. Valve. We control the quality, we control delivery and we keep our prices down.

In Stock

We stock a vast inventory of valves, so most sizes and materials can ship the same day.

[1]The Cv of our high-performance check valves is almost twice that of conventional, metallic-hinge, double door check valves for sizes 2″ through 4″ and approximately 25% more for sizes 16″ through 24″.



Dimensional Data: (inches)

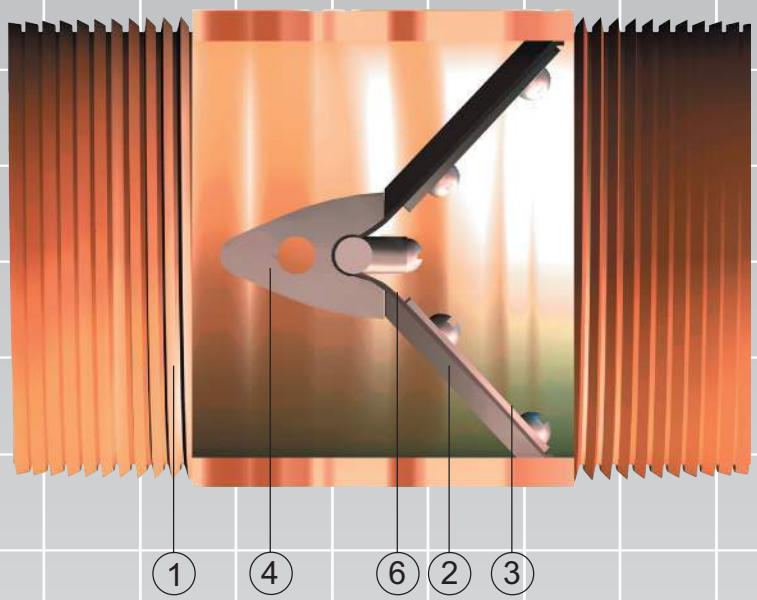
Valve size	A(O.D.)	B*	C
1	1.3	3.5	1.6
1 1/4	1.7	3.5	2.0
1 1/2	1.9	4.0	2.3
2	2.4	4.0	2.8
2 1/2	2.9	5.0	3.3
3	3.5	5.5	3.9
4	4.5	6.0	4.9
5	5.6	7.0	6.1
6	6.6	8.0	7.1
8	8.6	10.0	9.5
10	10.8	12.0	11.5
12	12.8	14.0	13.8

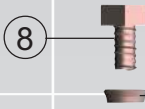
Consult factory for larger sizes. *All “B” dimensions ±.060″

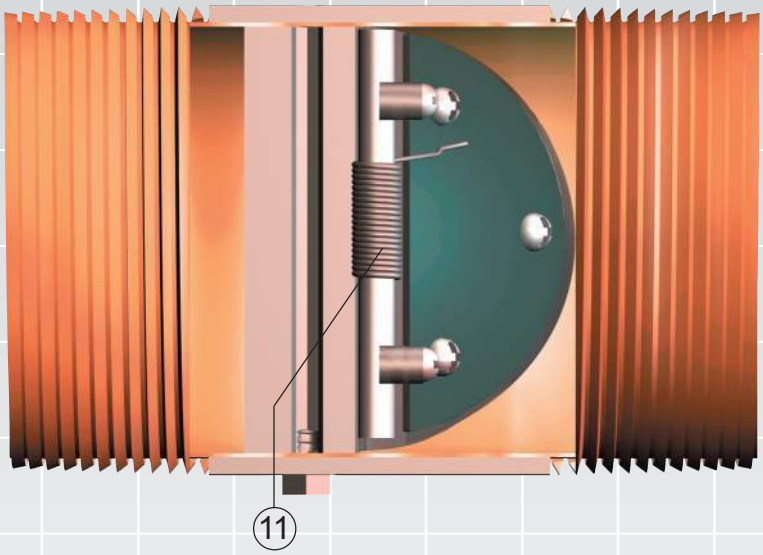
Standard Male NPT Models and Materials*

Model	Body	Discs	Wing Support	M.O.P.
07-0-0	Aluminum ASTM B241 6061T6	Aluminum ASTM B209 6061T6	Extruded Aluminum 6061	200 PSI
07-1-0	Carbon Steel ASTM A106 Gr.B	Aluminum ASTM B209 6061T6	Extruded Aluminum 6061	250 PSI
07-1-4	Carbon Steel ASTM A106 Gr.B	Stainless Steel ASTM A240 316	Forged Stainless Steel 316	300 PSI
07-3-3	Brass ASTM B43 Alloy C230	Brass ASTM B36 Alloy C260	Forged Brass ASTM B124 Alloy C377	150 PSI
07-4-4	Stainless Steel ASTM A312 Gr. 316	Stainless Steel ASTM A240 316	Forged Stainless Steel 316	300 PSI

*All fasteners and spring pins are 316 stainless steel. BUNA-N is standard seal in all valves. Optional seal materials: EPDM, SILICONE, VITON. 316 stainless steel springs are optional for all models. Consult factory for any other special material requirements.

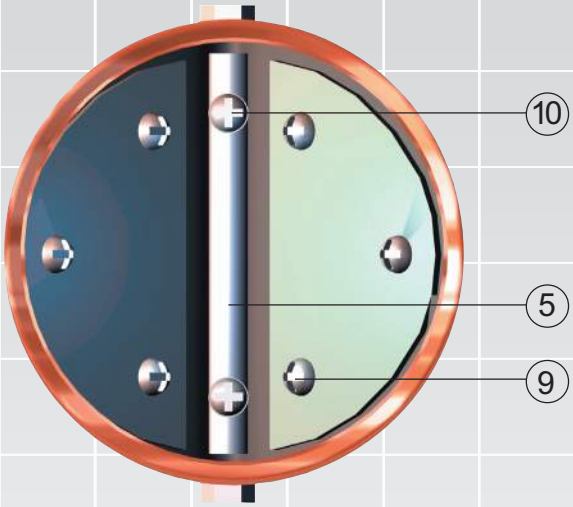






Parts and Description:

Item	Description
1	Body
2	Disc
3	Disc Backup
4	Wing Support
5	Wing Pin
6	Seal
7	Sealing Washer
8	Wing Support Screw
9	Disc Assembly Screw
10	Wing Assembly Screw
11	Spring (Optional)



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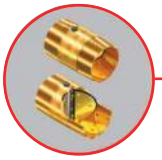
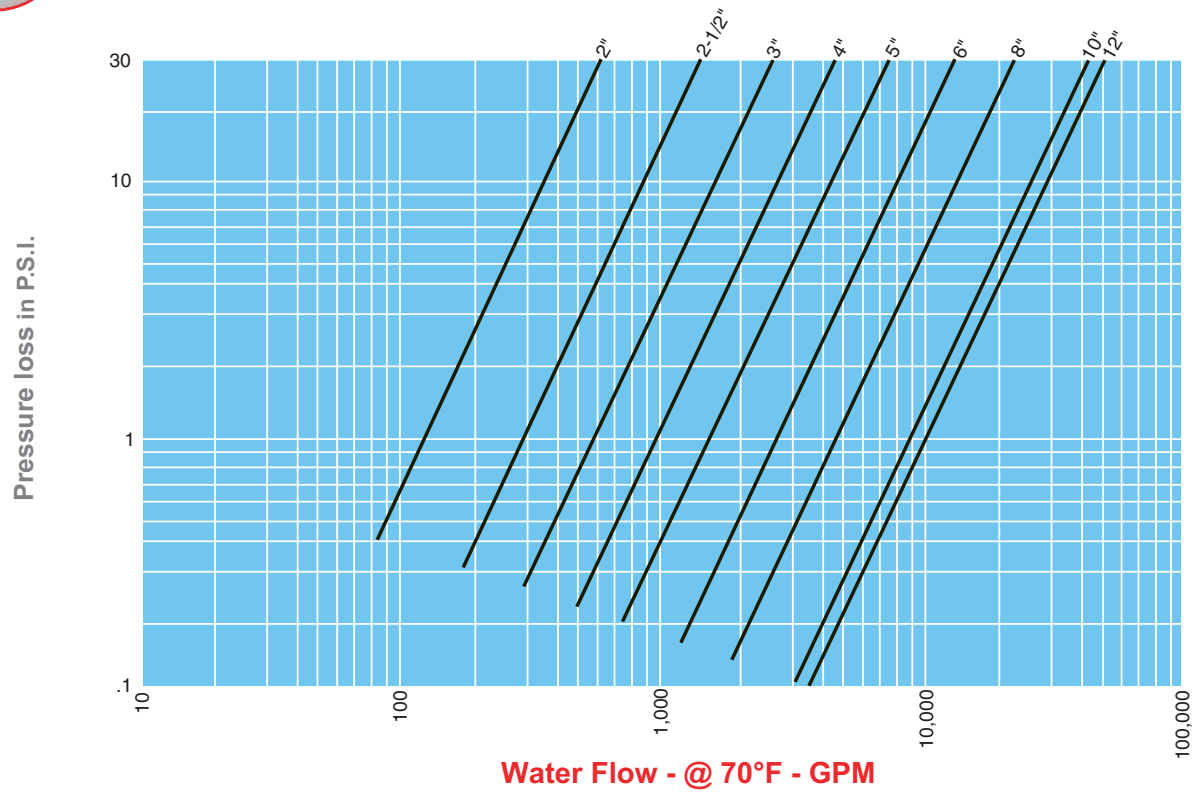
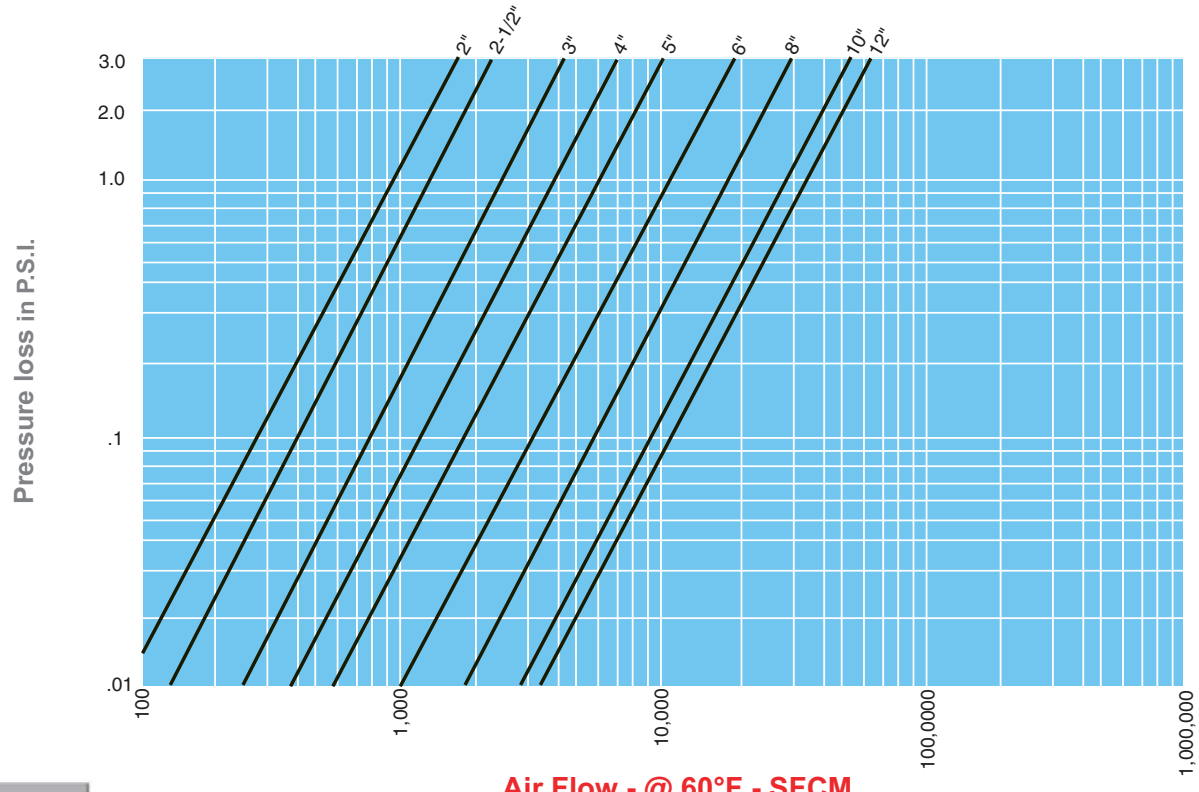


Pressure Loss Charts:





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Proco Style 240/242 Molded Spherical Joints

Proco Style 240/242 Spherical Molded Expansion Joints are designed for piping systems to absorb pipe movements, relieve stress, reduce system noise/vibration, compensate for misalignment/offset and to protect rotating mechanical equipment against start-up surge forces.

The molded style 240 single sphere and 242 twin sphere designed bellows are inherently stronger than the conventional hand-built style spool arch type. Internal pressure within a "sphere" is exerted in all directions, distributing forces evenly over a larger area. The spherical design "flowing arch" reduces turbulence and sediment buildup.

Features and Benefits:

Absorbs Directional Movement

Thermal movements appear in any rigid pipe system due to temperature changes. The Style 240 and Style 242 spherical arch expansion joints allow for axial compression or axial extension, lateral deflection as well as angular movement. (Note: Rated movements in this publication are based on single plane movements. Multiple movement conditions are based on a multiple movement calculation. Contact Proco for information when designing multiple pipe movements.)

Easy Installation with Rotating Metallic Flanges

The floating metallic flanges freely rotate on the bellows, compensating for mating flange misalignment, thus speeding up installation time. Gaskets are not required with the Style 240 or Style 242, provided the expansion joints are mated against a flat face flange as required in the installation instructions.

Flange Materials/Drilling

The Proco Style 240 and Style 242 molded expansion joints are furnished complete with plated carbon steel flanges for corrosion protection. 304 or 316 stainless steel flanges are available upon request as well as ANSI 250/300 lb., BS-10, DIN PN10 & PN16 and JIS-10K drilling.

Absorbs Vibration, Noise and Shock

The Proco Style 240 and Style 242 molded expansion joints effectively dampen and insulate downstream piping against the transmission of noise and vibration generated by mechanical equipment. Noise and vibration caused by equipment can cause stress in pipe, pipe guides, anchors and other equipment downstream. Water hammer and pumping impulses can also cause strain, stress or shock to a piping system. Install the Style 240 or Style 242 molded expansion joints to help compensate for these system pressure spikes.

Wide Service Range with Low Cost

Engineered to operate up to 300 PSIG or 265°F, the Proco Style 240 and Style 242 can be specified for a wide range of piping requirements. Compared to conventional hand-built spool type joints, you will invest less money when specifying the mass-produced, consistent high quality, molded single or twin sphere expansion joints.

Material Identification

All Style 240 or Style 242 molded expansion joints have branded elastomer designations. Neoprene Tube/Neoprene Cover (NN) and Nitrile Tube/Neoprene Cover (NP) elastomer designated joints meet the Coast Guard Requirements and conform to ASTM F1123-87. 240C/NP-9 joints have ABS certification.

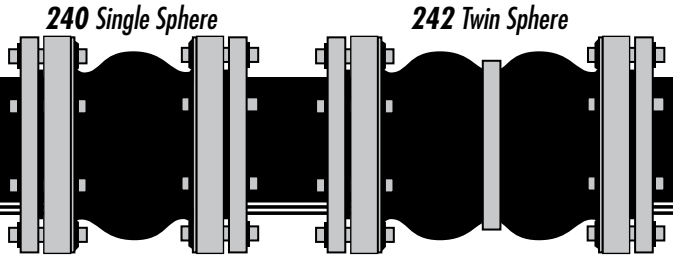
Large Inventory

Proco Products, Inc. maintains one of the largest inventories of rubber expansion joints in the world. Please contact us for price and availability.

Table 1: Available Styles • Materials

For Specific Elastomer Recommendations, See: **PROCO** "Chemical To Elastomer Guide"

240-A	240-C	240-AV,D,E,M [11]	242-A,B,C	PROCO Material Code	Cover Elastomer [1]	Tube Elastomer [2]	Max-imum Operating Temp. °F	Identifying Color Band/Label
		X	X	/BB[3]	Chlorobutyl	Chlorobutyl	250°	Black
		X	X	/EE[2,3,7]	EPDM	EPDM	250°	Red
X	X			/EE[2,3,4]	EPDM	FDA-EPDM	250°	Red
		X		/EQ[2,3]	EPDM	FDA-EPDM	250°	Red
X	X			/EE-9[3,5]	EPDM	EPDM	265°	DBL Red
	X			/HH	CSM	CSM	212°	Green
		X	X	/NH	Neoprene	CSM	212°	Green
	X			/NJ[2]	Neoprene	FDA-Nitrile	212°	White
	X	X	X	/NN[7]	Neoprene	Neoprene	225°	Blue
X	X	X	X	/NP	Neoprene	Nitrile	212°	Yellow
X	X			/NP-9[6]	Neoprene	Nitrile-ABS	212°	DBL Yellow



Protecting Piping and Equipment Systems from Stress/Motion

Notes: All Products are reinforced with Nylon Tire Cord, except 240-A and 240-C which are reinforced with Polyester.

1. *All NN & NP elastomer designated joints meet the Coast Guard Requirements and conform to ASTM F 1123-87 and are marked accordingly.*
2. *Branding Label will be marked as "Food Grade".*
3. *BB, EE or EE-9 are good for 300°F blower service at 20 PSI or less.*
4. *240-A & 240-C expansion joints have black EPDM tube, but are FDA compliant.*
5. *EE-9 joints are peroxide cured.*
6. *NP-9 joints have ABS certification.*
7. *Elastomers are in accordance with NSF/ANSI 372, File MH47689 Und. Lab. Classified.*
8. *All elastomers above are not intended for steam service.*
9. *For PTFE lined single sphere see www.procoproducts.com/ptfelined.html*
10. *For 240A & 240C Rubber Joints, Vacuum Support devices are available. Published movements will be reduced by approximately 50% for this option.*
11. *Series 240AV,D,E&M + 242A,B&C In Elastomers EPDM & Neoprene are all listed for low lead content in accordance with NSF/ANSI 372*

Information subject to change without notice.

Style 240 Single Sphere Performance Data

Table 2: Sizes • Movements • Pressures • Flange Standards • Weights

NOMINAL Pipe Size I.D.	Neutral Length	PROCO Style Number [1]	240 Movement Capability: From Neutral Position (Non-Concurrent) [2]					Pressure [4]		Standard Flange Drilling Dimensions [8]					Weight in lbs	
			Axial Compression Inches	Axial Extension Inches	Lateral Deflection Inches	Angular Deflection Degrees	Thrust Factor [3]	Positive PSIG [5,9]	Vacuum [6] Inches of Hg	Flange O.D. Inches	Bolt Circle Inches	Number of Holes	Size of Holes Inches	Bolt Hole [7] Thread	Exp. Joint & Flanges	Control Unit Set (2 Rod)
1 (25)	5.00	240-C	1.063	1.250	1.188	45	4.43	225	26	4.25	3.13	4	0.625	1/2-13 UNC	3.8	3.3
	6.00	240-AV	0.500	0.375	0.500	37										
1.25 (32)	3.74	240-D	0.312	0.188	0.312	45	6.34	225	26	4.63	3.5	4	0.625	—	4.6	3.3
	5.00	240-C	1.063	1.250	1.188	17		235	21				0.625	—	5.0	
	5.00	240-E	0.500	0.375	0.500	31		225	26				0.625	—	5.0	
	6.00	**240-AV**	0.500	0.375	0.500	31		225	26				0.625	1/2-13 UNC	5.0	
1.5 (40)	3.74	240-D	0.375	0.188	0.312	14	6.49	225	26	5.0	3.88	4	0.625	—	5.4	4.6
	4.00	240-M	0.375	0.188	0.312	14		225	26				0.625	—	5.5	
	5.00	240-C	1.063	1.250	1.188	45		235	18				0.625	—	5.1	
	5.00	240-E	0.500	0.375	0.500	27		225	26				0.625	—	6.0	
	6.00	**240-AV**	0.500	0.375	0.500	27		225	26				0.625	1/2-13 UNC	6.1	
2 (50)	4.00	240-M	0.375	0.188	0.312	11	7.07	225	26	6.0	4.75	4	0.750	—	8.3	6.3
	4.13	240-D	0.375	0.188	0.312	11		225	26	6.0	4.75	4	0.750	—	8.5	6.3
	5.00	240-C	1.063	1.250	1.188	45		235	18	6.0	4.75	4	0.750	—	7.1	6.3
	5.00	240-E	0.375	0.375	0.500	20		225	26	6.0	4.75	4	0.750	—	8.5	6.3
	6.00	240-A	1.188	1.188	1.188	45		235	18	6.0	4.75	4	0.750	—	7.1	6.3
	6.00	**240-AV**	0.500	0.375	0.500	20		225	26	6.0	4.75	4	0.750	5/8-11 UNC	12.3	7.6
	6.00	Q-240-HW	0.500	0.375	0.500	20		300	26	6.5	5.0	8	0.750	—	11.0	7.6
2.5 (65)	4.00	240-M	0.375	0.188	0.375	8	11.05	225	26	7.0	5.5	4	0.750	—	12.0	7.6
	4.53	240-D	0.500	0.188	0.375	11		225	26				0.750	—	12.3	
	5.00	240-C	1.063	1.250	1.188	45		235	18				0.750	—	10.6	
	5.00	240-E	0.500	0.375	0.500	17		225	26				0.750	—	12.0	
	6.00	240-A	1.188	1.188	1.188	43		235	18				0.750	—	12.0	
	6.00	**240-AV**	0.500	0.375	0.500	17		225	26				0.750	5/8-11 UNC	12.3	
3 (80)	5.00	240-C	1.063	1.250	1.188	40	13.36	235	15	7.5	6.0	4	0.750	—	13.3	8.3
	5.00	240-E	0.500	0.375	0.500	14		225	26	7.5	6.0	4	0.750	—	14.0	8.3
	5.12	240-D	0.500	0.375	0.500	14		225	26	7.5	6.0	4	0.750	—	14.0	8.3
	6.00	240-A	1.188	1.188	1.188	38		235	15	7.5	6.0	4	0.750	—	13.8	8.3
	6.00	**240-AV**	0.500	0.375	0.500	14		225	26	7.5	6.0	4	0.750	5/8-11 UNC	14.0	8.3
	8.00	**240-AV**	0.500	0.375	0.500	14		225	26	7.5	6.0	4	0.750	5/8-11 UNC	15.0	8.7
	6.00	Q-240-HW	0.500	0.375	0.500	14		300	26	8.25	6.62	8	0.875	—	17.5	8.3
3.5 (90)	6.00	240-AV	0.500	0.375	0.500	12	18.67	225	26	8.5	7.0	8	0.750	5/8-11 UNC	17.6	7.4
4 (100)	5.00	240-C	1.063	1.250	1.188	32	22.69	235	15	9.0	7.5	8	0.750	—	16.5	7.4
	5.00	240-E	0.750	0.500	0.500	14		225	26	9.0	7.5	8	0.750	—	17.0	7.4
	5.32	240-D	0.750	0.500	0.500	14		225	26	9.0	7.5	8	0.750	—	17.1	7.4
	6.00	240-A	1.188	1.188	1.188	30		235	15	9.0	7.5	8	0.750	—	17.5	7.4
	6.00	**240-AV**	0.750	0.500	0.500	14		225	26	9.0	7.5	8	0.750	5/8-11 UNC	18.3	7.4
	8.00	**240-AV**	0.750	0.500	0.500	14		225	26	9.0	7.5	8	0.750	5/8-11 UNC	19.3	7.8
	6.00	Q-240-HW	0.750	0.500	0.500	14		300	26	10.0	7.88	8	0.750	—	26.0	7.4
5 (125)	5.00	240-C	1.063	1.250	1.188	27	30.02	235	10	10.0	8.5	8	0.875	—	20.3	8.3
	5.00	240-E	0.750	0.500	0.500	11		225	26	10.0	8.5	8	0.875	—	22.0	8.3
	6.00	240-A	1.188	1.188	1.188	25		235	10	10.0	8.5	8	0.875	—	21.8	8.3
	6.00	**240-AV**	0.750	0.500	0.500	11		225	26	10.0	8.5	8	0.875	3/4-10 UNC	22.8	8.3
	6.69	240-D	0.750	0.500	0.500	11		225	10	10.0	8.5	8	0.875	—	23.6	8.5
	8.00	**240-AV**	0.750	0.500	0.500	11		225	26	10.0	8.5	8	0.875	3/4-10 UNC	25.0	10.8
	6.00	Q-240-HW	0.750	0.500	0.500	11		300	26	11.0	9.25	8	0.875	—	28.0	14.0

See Notes Page 4

NOTES:

Standard Proco Style 240-AV Expansion Joints shown in Bold Type are considered Standards and are inventoried in large quantities.

1. *"HW" denotes Heavy Weight Construction. For sizes 2" I.D. thru 12" I.D., Proco will only offer these items with 300 lb. drilling and are denoted by Q-240-HW. All Q-240-HW units will only be sold with control units.*

2. *Concurrent Movements - Concurrent movements are developed when two or more movements in a pipe system occur at the same time. If multiple movements exceed single arch design there may be a need for an additional arch. To perform calculation for concurrent movement when a pipe system design has more than one movement, please use the following formula:*

$$\frac{\text{Actual Axial Compression}}{\text{Rated Axial Compression}} + \frac{\text{Actual Axial Extension}}{\text{Rated Axial Extension}} + \frac{\text{Actual Lateral (X)}}{\text{Rated Lateral (X)}} + \frac{\text{Actual Lateral (Y)}}{\text{Rated Lateral (Y)}} = / < 1$$

Calculation must be equal to or less than 1 for expansion joint to operate within concurrent movement capability.

3. *Calculation of Thrust (Thrust Factor). When expansion joints are installed in the pipeline, the static portion of the thrust is calculated as a product of the area of the I.D. of the arch of the expansion joint times the maximum pressure (design, test or surge) that will occur in the line. The result is a force expressed in pounds.* ***Take design, surge or test pressure X thrust factor to calculate end thrust.***

"Effective Area"

Thrust Factor=

$T = \frac{\pi}{4} (D)^2 (P)$

T= Thrust
P= PSI (Design, Test or Surge)
D= Arch I.D.

4. *Pressure rating is based on 170°F operating temperature. The pressure rating is reduced at higher temperatures.*

5. *Pressures shown at maximum "operating pressure". Test pressure is 1.5 times "operating pressure". Burst pressure is 4 times "operating pressure". If factory hydro-test is required, an additional joint per size must be purchased and tested. Once hydro-tested this joint may not be sent to field for installation as the beaded end will have taken a (compressed) set and can not be reused.*

6. *Vacuum rating is based on neutral installed length, without external load. Products should not be installed in extension for vacuum applications. Flattening of the arch in extended mode will cause the arch to collapse.*

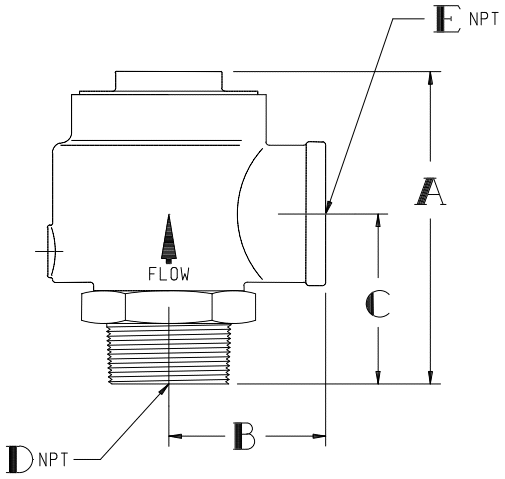
7. *Style 240AV/NN and 240-D/NN (neoprene elastomer only) expansion joints 1.0" I.D. thru 12" I.D. are available with tapped (threaded) holes and must be specified at time of order.*

8. *In addition to standard 150 lb. drilled flanges, Proco can provide expasion joints listed above in 300 lb. drilling, BS-10 (British) drilling, Metric PN10 and PN16 drilling and JIS 10kg/cm drilling.*

9. *For PTFE lined single sphere see www.procoproducts.com/ptfelined.html*

LTR	REVISION	DATE	DR	CH
A	REDRAWN WITH REVISIONS (ECN 2665)	8-22-97	SM	NF

M-D PART NUMBER	SEAT DIAMETER	VALVE SIZE	A ± 1/4	B ± 3/32	C ± 3/32	D NPT	E NPT	WEIGHT LBS
1362-6	2	2	7 1/4	3 1/4	3 1/4	2" MALE	2" FEMALE	8
1362-7	2 1/2	2 1/2	8	3 3/4	3 3/4	2 1/2" MALE	2 1/2" FEMALE	12
1362-8	3	3	9 1/2	4 1/4	4 1/4	3" MALE	3" FEMALE	19



NOTE:
SERVICE RECOMMENDATONS: AIR OR GAS. 22" HG AT 300°F

MATERIALS OF CONSTRUCTION:
BRONZE NOZZLE. DISC. GUIDE & SEAT.
SST SPRING.

INSTRUCTIONS:
1. AVOID OVERTIGHTENING OF VALVE DURING INSTALLATION.
2. VACUUM SETTING MAY BE VARIED APPROXIMATELY ± 10% OF ORIGINAL SETTING BY REMOVING AND LOOSENING THE FILLISTER HEAD MACHINE SCREW AND THEN RUNNING SCREW IN OR OUT AS DESIRED.
3. VALVE MAY BE CLEANED BY REMOVING DISC AND CLEANING SEAT SURFACE WITH A SOFT CLOTH. SEATING SURFACE MAY BE LAPPED IN CASE OF LEAKAGE BY USING A FINE GRIT COMPOUND.
4. REFER TO M-D SPRING DRAWING 1352S SERIES FOR VACUUMS FROM 1" HG TO 30" HG.
5. VALVE PRE-SET TO RECOMMENDED SPECIFICATIONS OF PURCHASE ORDER AT M-D PRIOR TO SHIPMENT.

VACUUM SET AT " HG

TOLERANCES .XX ± . .XXX ± . .XXXX ± . ANGULAR ± FRACTIONAL ± CHAMFERS ± 2°	MATL P/N: MATL:
BREAK ALL SHARP EDGES AND CORNERS	TUTHILL Pneumatics Group Springfield, Missouri USA VACUUM RELIEF VALVE
DR SM 8-21-97 CH NF 9-12-97	SIZE: B — 1362 SCALE: NONE — WT LBS — SHEET OF
FIRST USED ON	

M-D Pneumatics™

PRESSURE AND VACUUM RELIEF VALVES

Models 1351 1352 1361 1362

MAINTENANCE MANUAL

WARNING

DO NOT OPERATE
BEFORE READING MANUAL

ISO 9001

7/2008

LEADING THE SEARCH FOR NEW SOLUTIONS

TUTHILL
Vacuum & Blower Systems

4840 West Kearney Street, P. O. Box 2877
Springfield, Missouri USA 65801-2877
Tel 417 865-8715 800 825-6937 Fax 417 865-2950
http://vacuum.tuthill.com

MAINTENANCE

1. Check pop off pressure every 2 to 6 months.
2. Inspect for dirt build up in bodies frequently.
3. Remove yearly for testing, inspection, and overhaul.

Valve failure may be caused by seizing of parts, scored or wire drawn seats and corroded or eroded springs. The first case may be corrected by careful cleaning followed by light sanding of the seating surfaces. For correction of the second, the seating surface may be remachined or carefully hand lapped if the damage is less severe. Springs rarely require replacement, but may be purchased from the manufacturer should replacement be necessary.

DISASSEMBLY

1351 & 1361 Series — Refer to Relief Valve Assembly Drawings 1351 and 1361.

1. Remove Regulator Ring Set Screw.
2. Remove hood and mark relative positions of pressure screws, locknut and cap.
3. Loosen pressure screw locknut and pressure screw to release pressure of spring.
4. Remove Cap.
5. Remove spring and spring plates, spindle and spindle retainer.
6. Mark location of regulator ring and remove.

1352 Series — Refer to Pressure Relief Valve Assembly Drawing 1352.

1. Remove fillister head machine screw.
2. Remove roll pin, washer, lever and pressure screw.
3. Remove the spring and disc assembly.
4. Disassemble the disc assembly.

1362 Series — Refer to Vacuum Relief Valve Assembly Drawing 1362.

1. Remove fillister head machine screw.
2. Remove pressure screw.
3. Remove the spring and disc assembly.
4. Disassemble the disc assembly.

REASSEMBLY

1. Reverse the above procedures being careful to return parts to their marked positions.
2. After reassembly, reset valves according to instructions under adjustment, setting and testing.

ADJUSTMENT, SETTING AND TESTING (Refer to relief valve test set-ups)

Popping Pressure — 1351 & 1361 Series

Make sure of gauge accuracy before beginning. Remove hood, exposing pressure screw and locknut. Loosen locknut and raise pressure or vacuum until valve opens or pops. If opening pressure or vacuum is too low, turn down on pressure screw. If pressure or vacuum is too high, back-off pressure screw. After proper pressure has been reached, securely tighten locknut and replace hood.

1352 & 1362 Series

Make sure of gauge accuracy before beginning. Remove fillister head machine screws. Raise pressure or vacuum until valve opens or pops. If opening pressure or vacuum is too low, turn down on pressure screw. If pressure or vacuum is too high, back-off pressure screw. After proper setting has been reached, replace filister head screws, makingsure they align with slots provided in pressure screw.

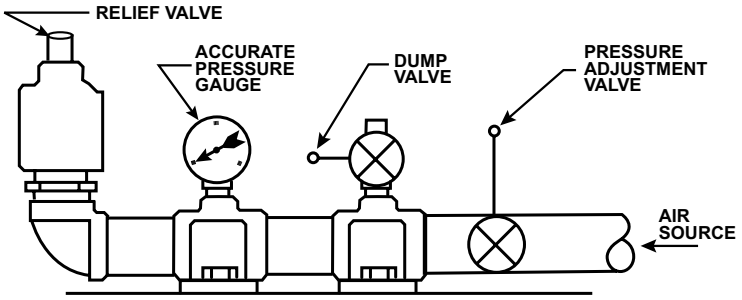
BLOWDOWN ADJUSTMENT

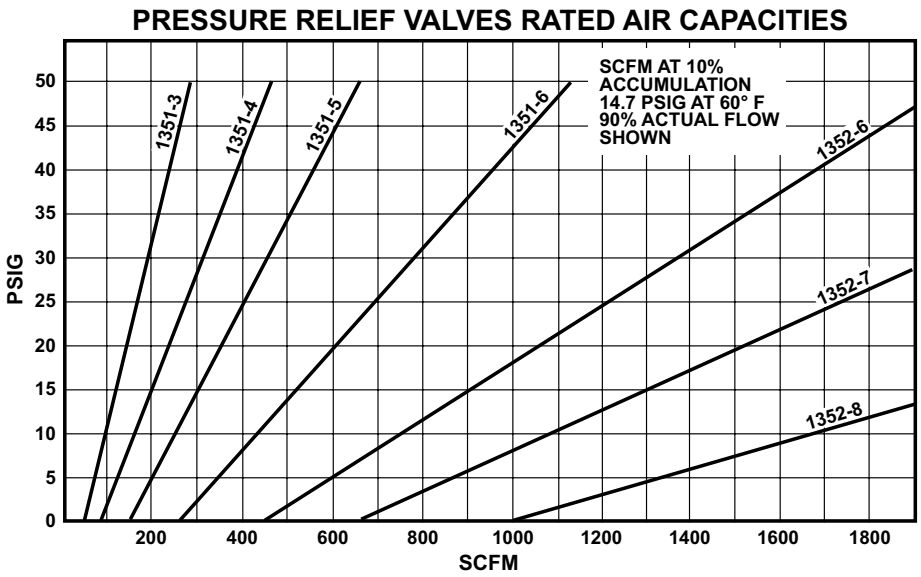
1351 & 1361 Series

When popping pressure is changed, a slight adjustment in blow down may be required. Raising the popping pressure or vacuum lengthens the blow down, and lowering the popping pressure or vacuum shortens the blow down. Raising the regulator ring - towards the disc - will increase blowdown and should be made a notch at a time a s the adjustment is sensitive. The normal position would be three or four notches down from touching the disc, but this figure will vary with conditions.

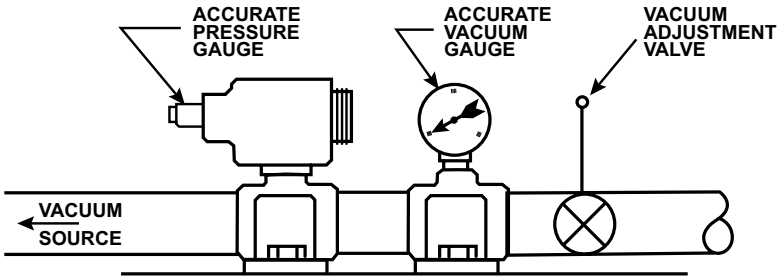
CAUTION: Retighten regulator ring set screw.

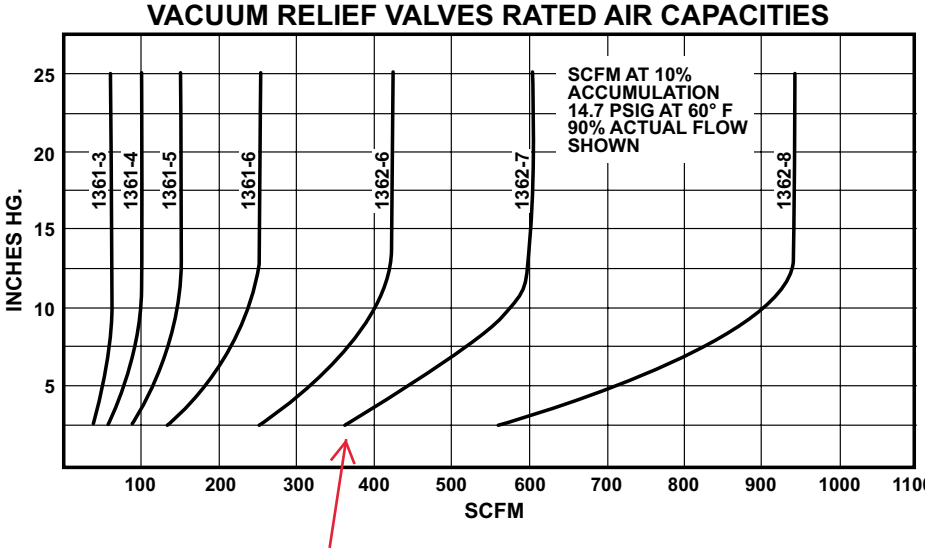
PRESSURE RELIEF VALVE SCHEMATIC AND AIR CAPACITIES





PRESSURE RELIEF VALVE SCHEMATIC AND AIR CAPACITY

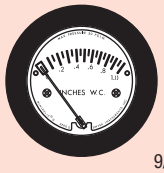


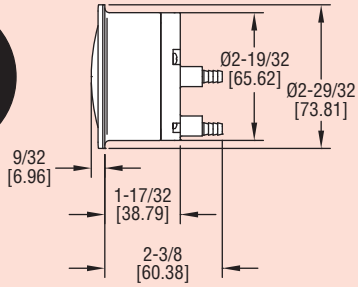


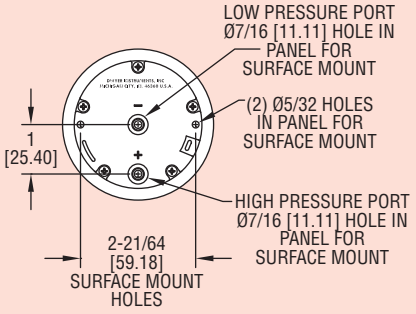
Series 2-5000

Minihelic® II Differential Pressure Gages

Combining High Accuracy, Compactness, Dependability, and Low Cost







Combining clean design, small size, and low cost with enough accuracy for all, but the most demanding applications our Minihelic® II gage offers the latest in design features for a dial type differential pressure gage. It is our most compact gage, but is easy to read and can safely operate at total pressures up to 30 psig. The Minihelic® II is designed for panel mounting in a single 2-5/8″ diameter hole. Standard pressure connections are barbed fittings for 3/16″ ID tubing; optional 1/8″ male NPT connections are also available. Over-pressure protection is built into the Minihelic II® gage by means of a blow-out membrane molded in conjunction with the diaphragm. Accidental over-ranging up to the rated total pressure will not damage the gage. With removable lens and rear housing, the gage may be easily serviced at minimum cost.

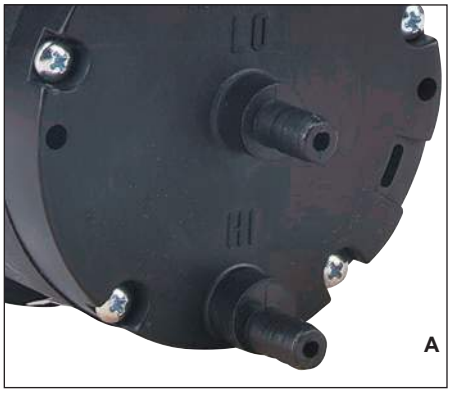
With the housing molded from mineral and glass filled nylon and the lens molded from acrylic, the gage will withstand rough use and exposure as well as high total pressure. The 5% accuracy and low cost of the Minihelic® II gage make it well-suited for a wide variety of OEM and user applications. OEM applications include cabinet air purging, medical respiratory therapy equipment, air samplers, laminar flow hoods, and electronic air cooling systems. As an air filter gage, the Minihelic® II gage finds many end use applications on large stationary engines, compressors, ventilators, and air handling units. The Minihelic® II gage is suitable for many of the same applications as the Magnehelic® gage where the greater accuracy, sensitivity, and higher and lower differential pressure ranges of the Magnehelic® gage are not required.

SPECIFICATIONS

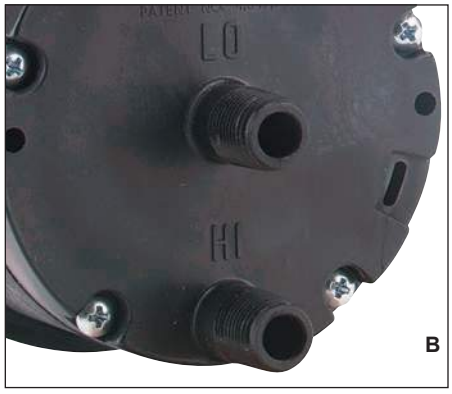
Service: Air and compatible gases.
Wetted Materials: Consult factory.
Housing: Glass filled nylon; acrylic lens.
Accuracy: ±5% of FS at 70°F (21.1°C).
Pressure Limits: 30 psig (2.067 bar) continuous to either pressure connection.
Temperature Limits: 20 to 120°F (-6.67 to 48.9°C).
Size: 2-1/16″ (52.39 mm) diameter dial face.
Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.
Process Connections: Barbed, for 3/16″ ID tubing (standard); 1/8″ male NPT (optional).
Weight: 6 oz (170.1 g).
Agency Approvals: RoHS.

CAUTION: For use only with air or compatible gases.

PRESSURE CONNECTIONS



A



B

A. The standard Minihelic® II gage is supplied with two barbed pressure taps molded into the rear housing of the gage. These connections allow easy, fast connection to the gage using 3/16″ ID rubber or plastic tubing.

B. For applications in systems having higher total operating pressures, optional male 1/8″ NPT pressure connections can be supplied.

Note: The oblong over-pressure vent hole on the back of the gage at the right of the connections. This vent is sealed by a membrane molded in conjunction with the diaphragm and will blow out at approximately 75 psi.

Simplicity of Design Ensures Reliable Operation

Housing is molded from strong mineral and glass filled nylon.

Pointer stops of molded rubber prevent pointer over-travel without damage.

Full view lens is removable and molded of acrylic.

Aluminum scale litho-printed black on white, enhances readability.

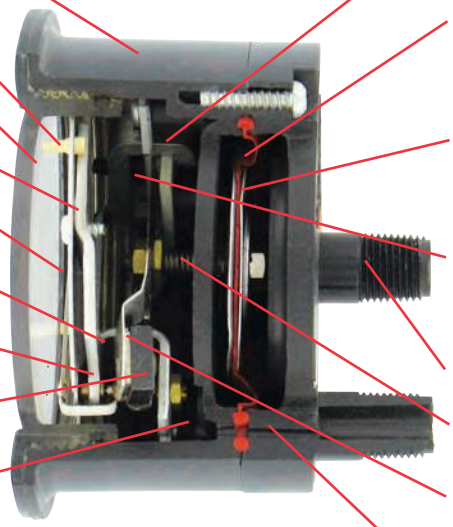
Red tipped aluminum pointer, rigidly mounted to helix is easy to see.

Wishbone assembly provides mounting for helix, helix bearings, and pointer shaft.

Jewel bearings provide virtually friction-free helix motion.

Helix is free to rotate in jewel bearings. It aligns with magnetic field of magnet to transmit pressure indications to pointer.

Zero adjustment screw, located behind the removable lens, eliminates tampering.



Range spring calibration clamp fixes live length of spring for proper gage calibration and is factory set and sealed.

Silicone rubber diaphragm allows accurate response to a broad range of temperatures and at extremely low pressure. Incorporates blow out area for overpressure protection.

Diaphragm support plates of lightweight aluminum on each side of the diaphragm minimize position or attitude sensitivity and help define pressure area.

Flat leaf range spring reacts to pressure on the diaphragm. Live length is adjustable for calibration. Small amplitude of motion minimizes inaccuracies and assures long life.

Low pressure tap connects to rear chamber.

Coil spring link provides a resilient connection between the diaphragm and the range spring.

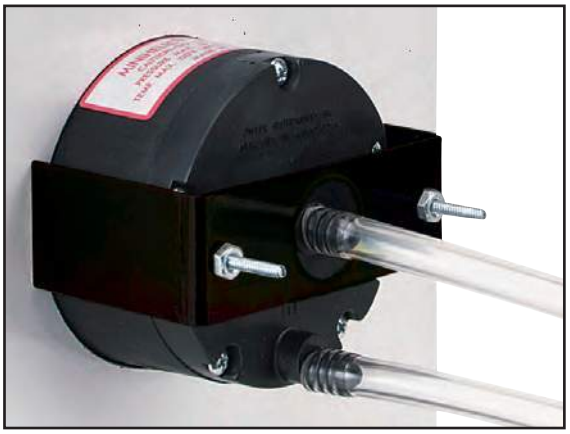
Ceramic magnet mounted on a molded bracket at the end of the range spring rotates the helix without direct mechanical linkage.

High pressure tap connects with the front chamber through passageway in the plastic case and a sealing ring molded into the edge of the diaphragm.

SURFACE MOUNTING

Optional surface mounting with back mounting plate allows for quick installation to any surface. Process connections are barbed and point downwards. Add -BB for bottom barbed surface mount option.

PANEL MOUNTING



Mounting hardware is supplied with the Minihelic® II gage for panel mounting through a single hole, 2-5/8″ (67 mm) in diameter. Panel thickness up to 1/2″ (13 mm) can be accommodated with the hardware supplied. If necessary, surface mounting of the gage can be accomplished by means of two 4-40 screws into the tapped mounting bracket stud holes in the rear of the gage. Surface mounting requires clearance holes in the panel for the two pressure taps.

Model	Range, Inches of Water	Model	Range, PSI	Model	Range, MM of Water
2-5000-0	0-0.5	2-5205	0-5	2-5000-25MM	0-25
2-5001	0-1.0			2-5000-50MM	0-50
2-5002	0-2.0			2-5000-100MM	0-100
2-5003	0-3.0			Model	Range, Pascals
2-5005	0-5.0			2-5000-125PA	0-125
2-5010	0-10			2-5000-250PA	0-250
2-5020	0-20			2-5000-500PA	0-500
2-5040	0-40			Model	Range, kPa
2-5060	0-60			2-5000-1KPA	0-1
2-5100	0-100			2-5000-3KPA	0-3

OPTIONS

For optional 1/8″ male NPT connections, add suffix -NPT to model numbers listed above. Example: 2-5001-NPT.

For optional bottom barbed surface mount, add suffix -BB to model numbers listed above. Example: 2-5001-BB.

For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example: 2-5001-NIST.

For factory calibration certificate, add suffix -FC to model numbers. Example: 2-5001-FC.

ACCESSORIES

A-302F-A, 303 SS Static Pressure Tip with mounting flange. For 3/16″ ID rubber or plastic tubing. 4″ insertion depth. Includes mounting screws
A-434, Portable Kit
A-489, 4″ Straight Static Pressure Tip with Flange
A-497, Surface Mtg. Brkt
A-609, Air Filter Kit
A-480, Plastic Static Pressure Tip

See page 567 for process tubing options.

LP SERIES
LOW PRESSURE GAUGE

Capsule type pressure gauge for accurate measurement of low pressures
Suitable for air, water, oil, gas or any other media not corrosive to copper alloy

LP1 SERIES

LP2 SERIES

LP3 SERIES

LP4 SERIES

5

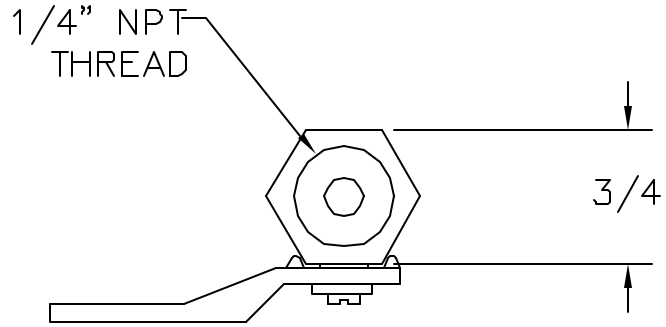
STANDARD DIAL CONFIGURATIONS FOR LP SERIES

Dial Range	Figure Intervals	Graduation Intervals
200/0"wc Vac	40" wc	4" wc
160/0"wc Vac	20" wc	5" wc
100/0"wc Vac	20" wc	2" wc
60/0"wc Vac	10" wc	1" wc
30/0"wc Vac	5" wc	0.5" wc
15/0"wc Vac	3" wc	0.2" wc
30/0/30" wc	10" wc	1" wc
5/0/15 wc	1" wc	0.25" wc
0/10" wc	1" wc	0.1" wc

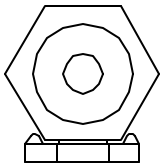
Dial Range	Figure Intervals	Graduation Intervals
0/15" wc	3" wc	0.2" wc
0/30" wc	5" wc	0.5" wc
0/20 oz & 0/35" wc	5 oz/5" wc	0.5 oz/0.5" wc
0/35 oz & 0/60" wc	5 oz/10" wc	1 oz/1" wc
0/60" wc	10" wc	1" wc
0/60 oz & 0/100" wc	10 oz/10" wc	1 oz/2" wc
0/100 oz	20 oz	2 oz

Dial Range	Figure Intervals	Graduation Intervals
0/100" wc	20" wc	2" wc
0/160" wc	20" wc	5" wc
0/200" wc	40" wc	4" wc
0/3 psi	0.5 psi	0.05 psi
0/5 psi	1 psi	0.1 psi
0/10 psi	2 psi	0.2 psi
0/15 psi	3 psi	0.3 psi

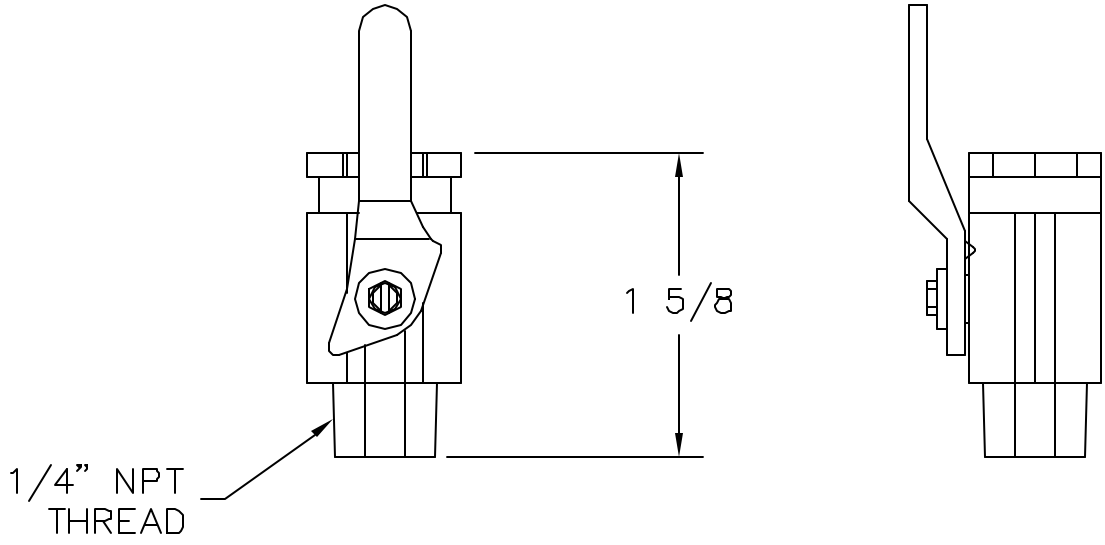
NOTE: Because of continuing improvements, increments and specifications are subject to change. Stock ranges vary by dial size and configuration. Consult PIC Gauges for availability.



PLAN VIEW – CLOSED



PLAN VIEW – OPEN



			DRAWN BY: M. WITTE	DATE 8–17–00	J. E. GASHO & Assoc., Inc. 460 W. GAY ST. WEST CHESTER, PENNSYLVANIA 19380
			APPROVED BY:	DATE	
			DIMENSIONS IN INCHES		GAUGE ISOLATION VALVE SMC VA BRS 025–4F4M–BT
			SCALE		
			TOLERANCE	ANGULAR TOLERANCE	
			MATERIAL	WEIGHT	
REV.	DATE	DESCRIPTION	SHEET 1 OF 1		—

025 SERIES BALL VALVE

Maximum Operating Pressure - 500 psi
Maximum Operating Temperature - 180 Degrees F
Ball Through Hole Diameter - .218

025 One-Way Ball Valve Design Considerations

The 025 Series One-Way Ball Valve compact design promotes multiple configurations to fit the exact end use application. The 025 Ball Valve Series is rated to 500 psi and will support flow and pressure only in the flow direction. The 025 Series has a one-piece body construction, stamped with directional flow arrows, to cover 1/4" NPT end configuration applications. The Zinc Die Cast Lever Handle is standard. Handles can be ordered Reversed - to lie over the outlet when the valve is in the open position. UL configurations are available and rated to 250 psi. UR configurations are available and rated to 500 psi.

Example:	Inlet End	Outlet End	Seal	Handle	Plating
	1/4 FNPT	1/4 MNPT	Buna-N	Steel	ENP

SMC Part Number: 025-4F4M-B,SH,ENP

The handle will lie over the Inlet port when the valve is in the open position. SMC Part Numbers are a description of the valve as read left to right, Inlet to Outlet.
Example: 025-4F4M-B,SH,ENP = 1/4 FNPT Inlet x 1/4 MNPT Outlet

025 Series Options

Material Options Brass Body, Nickel Plated Brass Ball, Teflon® Seats, Stainless Handle Screw

Seal Options Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene

Body Options

- 1/4 Female x 1/4 Female NPT
- 1/4 Female x 1/4 Male NPT
- 1/4 Female x 1/8 Female NPT
- 1/4 Female x 1/8 Male NPT
- 1/4 Female x 1/4 Hose Barb
- 1/4 Female x 11/16-16 Male
- 1/4 Female x 7/16-24 Female
- 1/4 Female x 1/4 Female Flare
- 1/4 Female x 3/8 Compression

Handle Options Zinc Die Cast Lever (Standard), Zinc Die Cast Lever with Red Vinyl Sleeve, Steel Lever, Steel Lever, Round Handle, Steel Lever, Steel Lever with Red Vinyl Sleeve, Round Zinc Die Cast Handle, Black Nylon T-Handle, Blue Nylon Knob, .312 x 1" Stem, Screw Slot Headed Ball

Plating Options Electroless Nickel, Black Zinc

SMC will quote alternate materials or customize our standard products when quantities ensure competitive pricing.
Contact Customer Service at (651) 653-0599, FAX - (651) 653-0989, E-Mail - info@specialtymfg.com

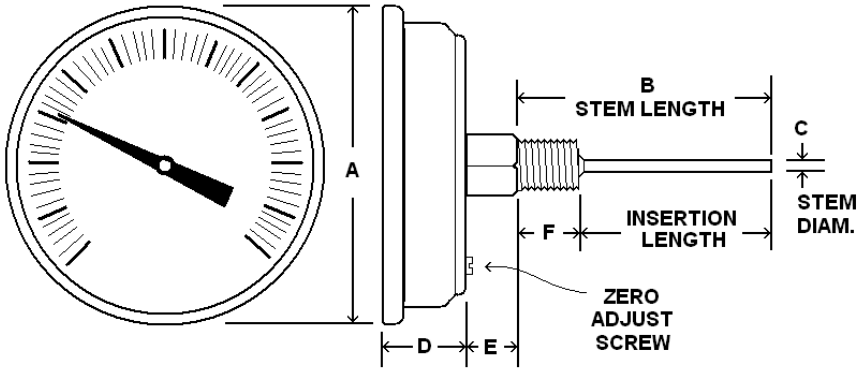
BIMETAL THERMOMETERS
FIXED BACK MOUNT (90°)

Dial type bimetal thermometer
Features anti-vibration design, anti-parallax dial, hermetically sealed case

SPECIFICATIONS

Dial	2” (50 mm), 3” (76 mm), 5” (130 mm) Anti-parallax dial design
Case	Stainless steel, hermetically sealed
Stem	316 stainless steel, welded to connection
Lens	Glass
Pointer	Black aluminum
Connection	Back mount (90°), fixed ¼” NPT on 2”, ½” NPT on 2”, 3” & 5”
Scale	Standard: dual scale F & C
Accuracy	1% full scale per Grade A, ASME B40.3
Ambient Temp*	-30° F to 180° F
External Adjustment	Zero reset screw on 3” & 5” dial

Design meets or exceeds ASME B40.3 thermometer standard.



AVAILABLE OPTIONS*

- Certificate of Accuracy, NIST traceable
- Custom Dial
- Special Connection Size
- Single Scale
- Special Ranges
- Custom Lens Material

*Lead times/minimums may apply

Dial	Unit	A	B	C	D	E	F
2”	In.	2.30"	Stem Length	0.25”	0.51”	0.39”	¼” or ½” NPT
	mm	58.4	Stem Length	6.45	12.9	10	
3”	In.	3.26”	Stem Length	0.25”	0.80”	0.43”	½” NPT
	mm	83	Stem Length	6.45	20	11	
5”	In.	5.28”	Stem Length	0.25”	0.82”	0.43”	½” NPT
	mm	134	Stem Length	6.45	22	11	

APPROXIMATE SHIPPING WEIGHTS/ BOX QUANTITIES

Dial Size	Est. Unit Weight	Box Qty
2”	0.20 lbs (0.10 kg)	upon request
3”	0.65 lbs (0.28 kg)	upon request
5”	1.15 lbs (0.52 kg)	upon request

***NOTE: High or low ambient temperatures may have adverse effect on accuracy. Consult PIC Gauges for instrument selection.**

SERIES 1950 | EXPLOSION-PROOF DIFFERENTIAL PRESSURE SWITCH

FEATURES/BENEFITS

- **Explosion-proof and weatherproof housing provides device protection for outdoor use or harsh environment operation**
- **External set point screw provides easy access without opening or disassembling enclosure**
- **Easily accessible electrical connection simplifies the installation**

APPLICATIONS

- HVAC applications
- Process applications
- All-weather applications

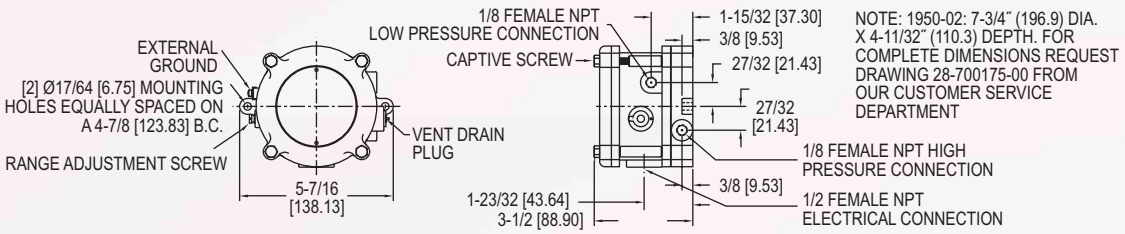
DESCRIPTION

The **Series 1950 Explosion-Proof Differential Pressure Switch** combines the best features of the popular Dwyer® Series 1900 Pressure Switch with an integral explosion-proof and weatherproof housing, making it an exceptional value for either application. It is CE, UL and CSA listed, FM approved for use in Class I, Div 1, Groups C and D, Class II Groups E, F, and G and Class III hazardous atmospheres NEMA 7 & 9. Rain tight NEMA 3 (IP54), weatherproof features include a drain plug and O-ring seal in cover. Electrical connections are easily made by removing front cover. For convenience the set point adjustment screw is located on the outside of the housing. Twelve models offer set points from .03 to 20 in w.c. (0.0075 to 5 kPa) and from .5 to 60 psi (0.035 to 3.5 bar). The unit is very light and compact - about half the weight and bulk of other explosion-proof or weatherproof switches with separate enclosures.

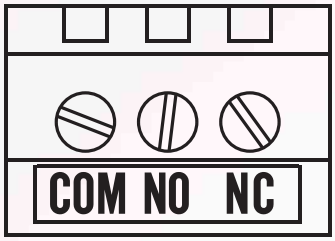
SPECIFICATIONS

Service	Air and non-combustible, compatible gases.
Wetted Materials	Consult factory.
Temperature Limits	-40 to 140°F (-40 to 60°C); 0 to 140°F (-17.8 to 60°C) for 1950P-8, 15, 25, and 50. -30 to 130°F (-34.4 to 54.4°C) for 1950-02.
Pressure Limits (Continuous)	1950's - 45 in w.c. (0.11 bar); 1950P's - 35 psi (2.41 bar); 1950P-50 only - 70 psi (4.83 bar). Surge: 1950's - 10 psi (0.69 bar), 1950P's - 50 psi (3.45 bar), 1950P-50 only - 90 psi (6.21 bar).
Enclosure Rating	NEMA 3 (IP54), NEMA 7 & 9.
Switch Type	Single-pole double-throw (SPDT).
Electrical Rating	15 A @, 125, 250, 480 VAC, 60 Hz. Resistive 1/8 HP @ 125 VAC, 1/4 HP @ 250 VAC, 60 Hz.
Electrical Connections	3 screw type, common, normally open and normally closed.
Process Connections	1/8″ female NPT.
Mounting Orientation	Diaphragm in vertical position. Consult factory for other position orientations.
Set Point Adjustment	Screw type on top of housing.
Weight	3.25 lb (1.5 kg); 1950-02 model, 4.4 lb (2 kg).
Agency Approvals	CE, CSA, FM, UL.

DIMENSIONS



WIRING DIAGRAM



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.

1950 **-02** **-2** **S** **-AT**

SWITCH TYPE
1950: Pressure switch - inches w.c.
1950P: Pressure switch - PSID

RANGE
-02: 0.03 - 0.10 in w.c.
-00: 0.07 - 0.15 in w.c.
-0: 0.15 - 0.5 in w.c.
-1: 0.4 - 1.6 in w.c.
-5: 1.4 - 5.5 in w.c.
-10: 3.0 - 11.0 in w.c.
-20: 4.0 - 20.0 in w.c.
-2: 0.5 - 2.0 psid
-8: 1.5 - 8.0 psid
-15: 3.0 - 15.0 psid
-25: 4.0 - 25.0 psid
-50: 15.0 - 50.0 psid

MICRO SWITCH TYPE
-2: 10G mica silver contact*
-6: 10G phenolic gold contact
-M: 10C phenolic silver contact

DIAPHRAGM MATERIAL
B: Buna-N
F: Flurosilicone*
N: Neoprene
S: Silicone
V: Fluroelastomer

OPTIONS
-AT: Aluminum tag
-PRESET: Preset
-ST: Stainless steel tag

*The 2F is standard

ORDER ONLINE TODAY!

dwyer-inst.com/Product/SeriesRHP

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DS-1950 Rev. 2

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Contact Dial Thermometer

Special features

- Class 1.5
- Display range -40° C to +600° C
- Temperature controller with actual value display as built-in or add-on device in the stainless steel case with a bayonet connection
- Case size ∅: 100 mm
- Protection type IP 65

Brief description

Contact dial thermometers are devices with an actual value display for temperature measurement, control, and monitoring and can be used universally.

The temperature-dependent volume change in a measuring system filled with liquid or the temperature-dependent pressure change in a measuring system filled with gas is converted to a rotational movement of the actual value indicator by a bourdon tube; no transmission gear is required. The microswitch is actuated by the rotational movement of the indicator shaft via a tap system.

Technical data

Basic type extension	0210, 1010, 2010, 2210, 2310
Case	Stainless steel case with bayonet connection (1.4301)
Protection type	IP 65 according to DIN EN 60529
Front pane	Polycarbonate
Scale	White, with black lettering
Display	Class 1.5 similar to DIN EN 13190
Strain relief spring	For capillary devices on the case and the temperature probe
Setpoint value adjustment	By setpoint adjuster in the front pane; with screwdriver, protected by the bolted cover.
Display correction	On the rear, no display correction with design type 20
Limit value temperatures	For transport and storage -20°C to +70°C (for display range 0 to +60°C up to max. 65°C; -40 to +40°C up to max. 50°C; -30 to +50°C up to max. 60°C)
Rated position (NL)	Any

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Technical data

Display range (AB)	Display range in °C	Measuring range in °C	Tolerance in °C (+/-)
469	-40 to +40	-30 to +30	1.5
566	-30 to +50	-20 to +40	1.5
643	-20 to +120	0 to +100	3.0
807	0 to +60	+10 to +50	1.5
810	0 to +80	+10 to +70	1.5
814	0 to +100	+10 to +90	1.5
818	0 to +120	+20 to +100	3.0
826	0 to +160	+20 to +140	3.0
832	0 to +200	+20 to +180	3.0
834	0 to +250	+30 to +220	4.0
926	+50 to +250	+70 to +230	3.0
840	0 to +300	+30 to +270	6.0
927	+50 to +300	+80 to +270	4.0
843	0 to +350	+50 to +300	6.0
932	+50 to +350	+80 to +320	6.0
848	0 to +400	+50 to +350	6.0
851	0 to +450	+50 to +400	6.0
854	0 to +500	+50 to +450	8.0
858	0 to +600	+100 to +500	10.0

	Liquid filling	**Gas filling**
Measuring system	Display range (AB) ≤ 350°C	Display range (AB) ≥ 400°C
Time constant $t_{0.632}$	Approx. 12 s, measured in water, with a probe Ø of 6 mm made of Cu.	Approx. 4 s, measured in oil, with a probe Ø of 10 mm made of stainless steel.
Ambient temperature influence effect	In % of the display range (referring to the deviation from the reference value +23°C)	
On case	0.15% of the display range per K ambient temperature change	0.05% of the display range per K ambient temperature change
On capillary (per m)	0.03% of the display range per K ambient temperature change	No influence
	At higher ambient temperature – higher temperature display – lower switching point	

	Standard	**Extra code (TZ) 650**
Electrical contact		
Contact type	Single-pole microswitch with mechanically actuated changeover contact	
Switching capacity	AC 230V, +10/-15%, 48 to 63Hz, cos φ = 1 (0.6)	
	5 (1.5) A	10 (3) A
Switching differential	Approx. 1.5% of the display range	1.5 to 3% of the display range
Switching point accuracy	± 0.5% of the display range referring to the switch-off point with rising temperature	
Switching reliability	To ensure a high switching reliability, we recommend a minimum voltage of 24 V and a minimum current of 100 mA	

Electrical connection	Junction box: conductor cross-section up to 2.5 mm^2, suitable for cable Ø from 6.5 to 13 mm

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Dimensions

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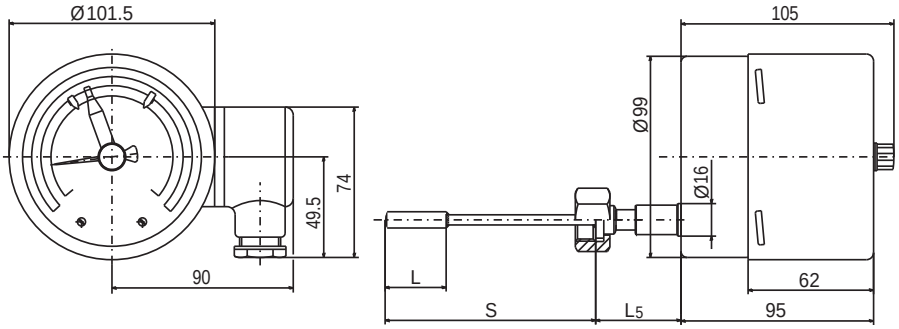
608523/0210



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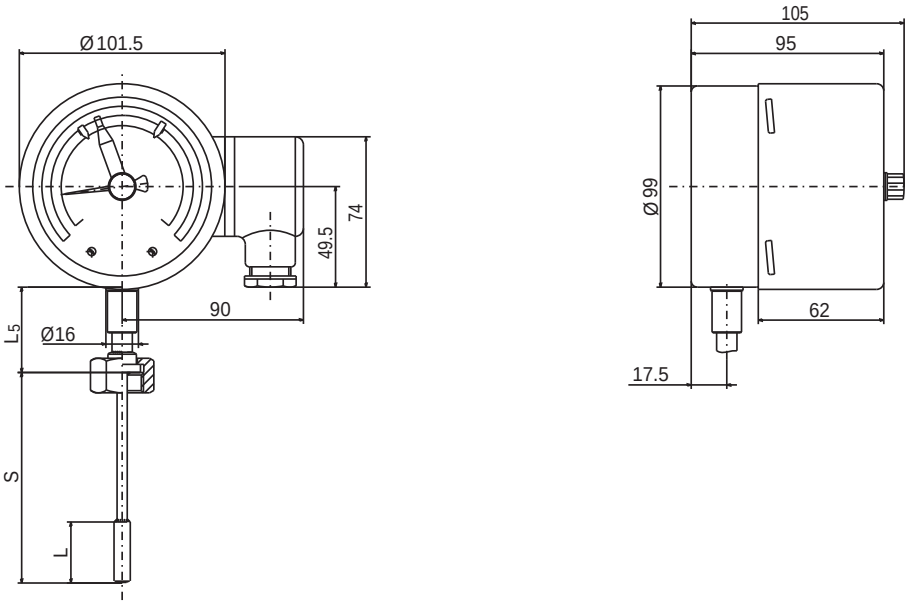

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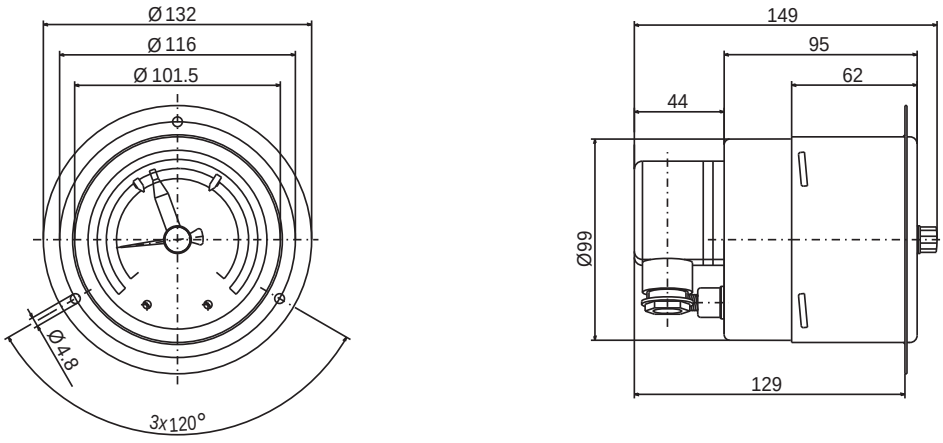

Panel cut-out Ø 105 $^{+0.5}_{0}$ mm

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Type:
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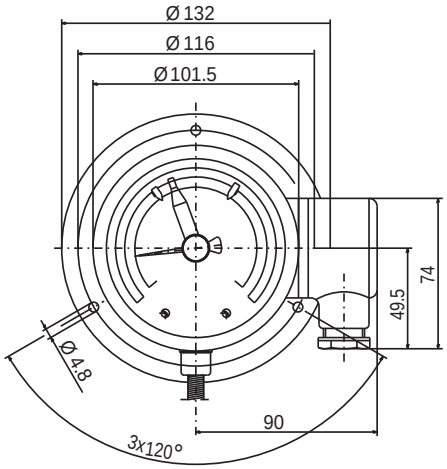

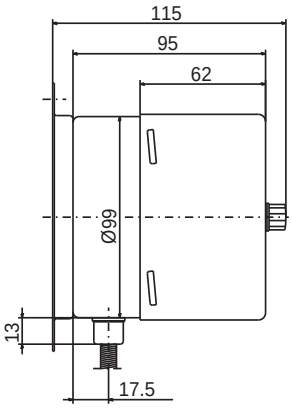

Panel cut-out Ø 105 $^{+0,5}_{0}$ mm

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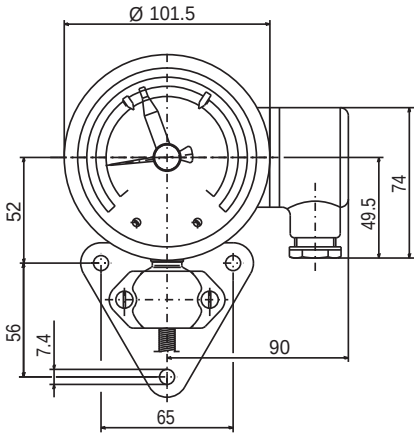
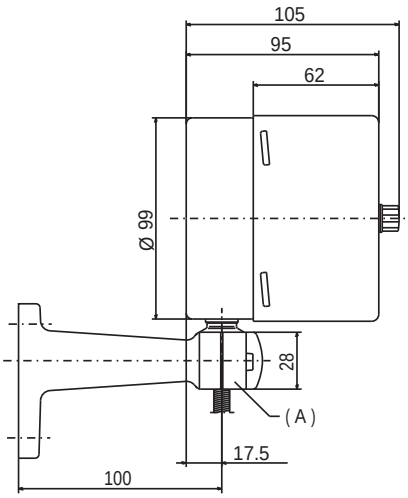


Bracket for measuring device according to DIN 16281



(A) Spigot Ø 26 mm

L_5	Protection tube connection type
40 mm	TA 03, TA 30
≤ 69 mm	TA 02
42.5 mm	TA 21
51.5 mm	TA 22, TA 31

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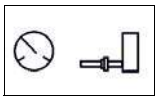
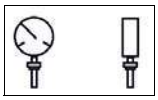
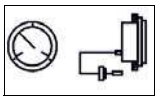
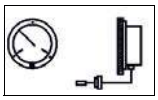
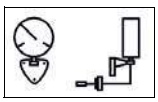
Order details

Order code	(1)	Basic type	
608523		Mechanical contact dial thermometer class 1.5	
	(2)	**Basic type extension**	Case size Ø
0210		Design type 02 	100 mm
1010		Design type 10 	100 mm
2010		Design type 20 	100 mm
2210		Design type 22 	100 mm
2310		Design type 23 	100 mm

	(3)	**Display range in °C**
469		-40 to +40
566		-30 to +50
643		-20 to +120
807		0 to +60
810		0 to +80
814		0 to +100
818		0 to +120
826		0 to +160
832		0 to +200
834		0 to +250
926		+50 to +250
840		0 to +300
927		+50 to +300
843		0 to +350
932		+50 to +350
848		0 to +400
851		0 to +450
854		0 to +500
858		0 to +600

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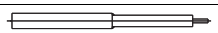
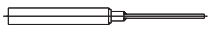
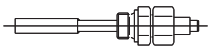
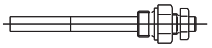
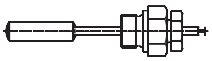
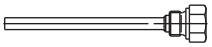
Order code	(4)	Capillary type (FL) [a]
00		Without (with rigid connection)
02		FL 02 Cu capillary with Cu textile braiding, approx. Ø 2.5 mm (up to AB end value +300°C)
11		FL 11 Cu capillary with PE coating, approx. ø 3.5 mm (up to AB end value +120°C)
17		FL 17 Stainless steel capillary, approx. Ø 1.5 mm
21		FL 21 Cu capillary, approx. Ø 1.0 mm (up to AB end value +300°C)

	(5)	Capillary length [b]
0		Without (with rigid connection)
1000		1000 mm
2000		2000 mm
3000		3000 mm
4000		4000 mm
5000		5000 mm
. . . .		Special length (specification in plain text: 1,000 mm increments, maximum length 10,000 mm), additional lengths upon request

	(6)	Process connection (PC)[a]		
750	TF 01	Temperature probe with stepped support tube		
752	TF 11	Temperature probe without support tube		
843	TA 02	Protection tube with union nut and loose screw connection [b]		
161	TA 03	Protection tube with loose screw connection		
847	TA 06	Protection tube with displaceable threaded fitting on support tube [b]		
311	TA 20	Protection tube with loose screw connection and connection collar [b]		
872	TA 21	Protection tube with loose pressure screw and conical seal (only G 3/8 possible)		
873	TA 22	Protection tube with loose pressure screw, conical seal, and loose screw connection [b]		
401	TA 23	Protection tube with pressure screw and contact pressure spring (only M 10x1 possible)		
913	SH 07	Screw-in protection tube, multi-sectional, with clamping piece and fixing screw (suitable for TF 01 and TF 11)		
820	SH 09	Weld-in protection tube, multi-sectional, with clamping piece and fixing screw[b] (not for FL 21 – welding collar with steel 1.4515)		
876	SH 10	Screw-in protection tube, multi-sectional[b] (suitable for TA 21)		
871	SH 11	Screw-in protection tube, multi-sectional[b] (suitable for TA 21)		

[a] For the description and special features refer to data sheet 608730.
[b] Screw-in spigot according to DIN 3852, form A.

JUMO GmbH & Co. KG
Delivery address: Mackenrodtstraße 14
36039 Fulda, Germany
Postal address: 36035 Fulda, Germany
Phone: +49 661 6003-0
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JUMO Instrument Co. Ltd.
JUMO House
Temple Bank, Riverway
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JUMO Process Control, Inc.
6733 Myers Road
East Syracuse, NY 13057, USA
Phone: 315-437-5866
1-800-554-5866
Fax: 315-437-5860
E-mail: info.us@jumo.net
Internet: www.jumousa.com

Order code	(7)	Ø Process connection (PC) [a]
6		6 mm
8		8 mm
10		10 mm
11		11 mm
12		12 mm

	(8)	Thread type of process connection (PC)[a]
000		Without thread (for TA 01 and TF 11)
103		Screw connection G 3/8
104		Screw connection G 1/2
105		Screw connection G 3/4
114		Screw connection M 10 x 1 (only with TA 23 and SH 11)

	(9)	Material, probe / support tube [a]
26		Stainless steel (CrNi, 1.4571)
96		Copper (Cu) / Brass (CuZn) (up to 200°C)
95		Stainless steel (CrNi, 1.4571) - probe / Brass (CuZn) - support tube from 250°C)

	(10)	Material of process connection (PC)[a]
00		Without (only TF 01 and TF 11)
26		Stainless steel (CrNi, 1.4571)
46		Brass (CuZn)

	(11)	Insertion length, process connection (PC) [a] (dimension "EL" or "S")
0		Minimum insertion length TF 11 (active probe dimension)
50		50 mm
100		100 mm
150		150 mm
200		200 mm
. . .		Special length (specifications in plain text – 50 mm increments)

[a] For the description and special features refer to data sheet 608730.

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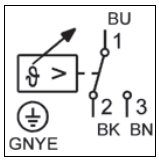
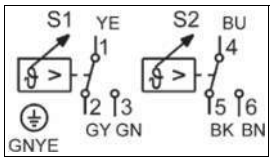
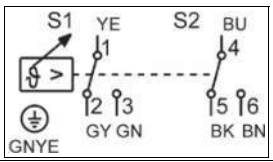
Internet: www.jumousa.com

Order code	(12)	Switching output	
28		1 switch	
27		2 switches	
19		2 switches in fixed sequence	

	(13)	Extra codes (TZ)
000		Without extra code
434		Drag indicator can be adjusted with a screwdriver, protected by a cover
650		Microswitch 10 (3) A (AC/DC 230 V, +10/-15%, 48 to 63 Hz, cos φ = 1 (0.6))
518		Stop for Min. — or Max. — setpoint value limitation, default setting
522		Customized scale

Special versions upon request!

Order code

(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)		(11)		(12)		(13)	
608523	/	....	-	...	-	..	-	....	-	...	-	..	-	...	-	..	-	..	-	...	-	..	/	...	, ...

Order example

608523 / 2010 - 818 - 21 - 2000 - 750 - 10 - 000 - 26 - 00 - 100 - 28 / 000[a] , ...

[a] List extra codes in sequence, separated by commas.

Dwyer

SERIES 2000

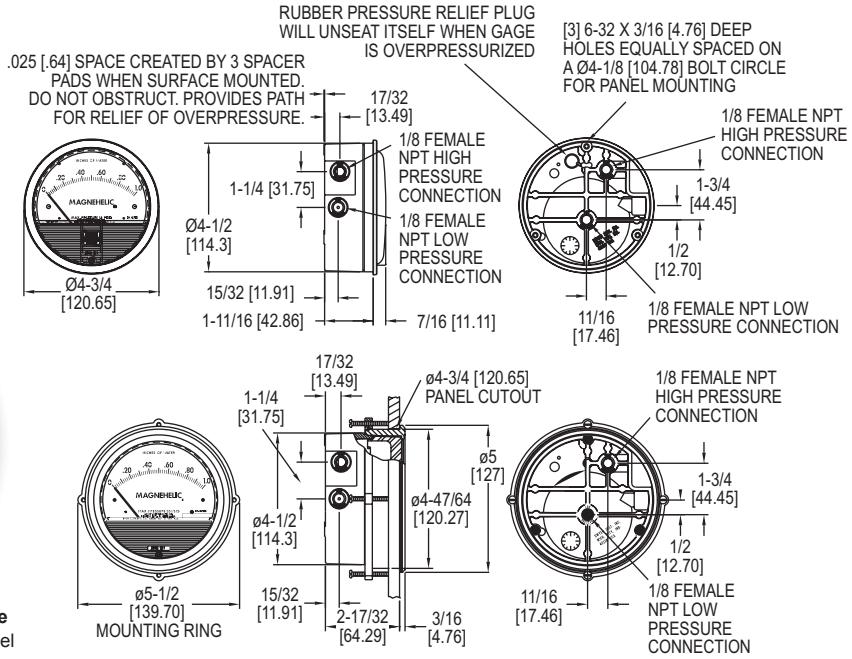
MAGNEHELIC® DIFFERENTIAL PRESSURE GAGES

Indicate Positive, Negative or Differential, Accurate within 1%

5 YEAR LIMITED WARRANTY

Standard Magnehelic® gage

High Accuracy Magnehelic® gage
Note: Shown with optional -SS bezel



Select the **Series 2000 Magnehelic® Differential Pressure Gages** for a versatile low differential pressure gage with a wide choice of 81 models and 27 options to choose from. Using Dwyer's simple, frictionless Magnehelic® gage movement, it quickly indicates air or non-corrosive gas pressures--either positive, negative (vacuum) or differential. The design resists shock, vibration, over-pressures and is weatherproof to IP67.

Select the –HA High Accuracy Magnehelic® gage option for an accuracy within 1% of full-scale. Also included with the –HA option at no extra cost are a mirrored scale overlay and a 6 point calibration certificate.

FEATURES/BENEFITS

- Easy to read gage through undistorted plastic face permits viewing from far away
- Patented design provides quick response to pressure changes means no delay in assessing critical situations
- Durable and rugged housing and high-quality components combine to provide long-service life and minimized down-time
- High accuracy option is twice as accurate as the standard Magnehelic® gage

APPLICATIONS

- Filter monitoring
- Air velocity with Dwyer pitot tube
- Blower vacuum monitoring
- Fan pressure indication
- Duct, room or building pressures
- Clean room positive pressure indication

GAUGE WILL BE CUSTOM 2SQRT SHOWING CFM FLOW

ACCESSORIES	
Model	**Description**
A-432	Portable kit; combine carrying case with any Magnehelic® gage of standard range, except high pressure connection. Includes 9 ft (2.7 m) of 3/16″ ID rubber tubing, standhang bracket and terminal tube with holder
A-605	Air filter gage accessory kit; adapts any standard Magnehelic® gage for use as an air filter gage. Includes aluminum surface mounting bracket with screws, two 5 ft (1.5 m) lengths of 1/4″ aluminum tubing, two static pressure tips and two molded plastic vent valves, integral compression fittings on both tips and valves
A-605B	Air filter gage accessory kit; air filter kit with two plastic open/close valves, two 4″ steel static tips, plastic tubing and mounting flange
A-605C	Air filter gage accessory kit; air filter kit with two plastic open/close valves, two plastic static tips, plastic tubing and mounting flange

SPECIFICATIONS

Service: Air and non-combustible, compatible gases (natural gas option available).
Note: May be used with hydrogen. Order a Buna-N diaphragm. Pressures must be less than 35 psi.
Wetted Materials: Consult factory.
Housing: Die cast aluminum case and bezel, with acrylic cover. Exterior finish is coated gray to withstand 168 hour salt spray corrosion test.
Accuracy: ±2% (-HA model ±1) of FS (±3% (-HA ±1.5%) on -0, -100PA, -125PA, -10MM and ±4% (-HA ±2%) on -00, -60PA, -6MM ranges), throughout range at 70°F (21.1°C).
Pressure Limits: -20 in Hg to 15 psig (-0.677 to 1.034 bar); MP option: 35 psig (2.41 bar); HP option: 80 psig (5.52 bar).
Enclosure Rating: IP67.
Overpressure: Relief plug opens at approximately 25 psig (1.72 bar), standard gages only.❶
Temperature Limits: 20 to 140°F*
(-6.67 to 60°C). -20°F (-28°C) with low temperature option.
Size: 4″ (101.6 mm) diameter dial face.
Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.
Process Connections: 1/8″ female NPT duplicate high and low pressure taps - one pair side and one pair back.
Weight: 1 lb 2 oz (510 g), MP & HP 2 lb 2 oz (963 g).
Standard Accessories: Two 1/8″ NPT plugs for duplicate pressure taps, two 1/8″ pipe thread to rubber tubing adapter, and three flush mounting adapters with screws. (Mounting and snap ring retainer substituted for three adapters in MP & HP gage accessories.)
Agency Approvals: Meets the technical requirements of EU Directive 2011/65/EU (RoHS II). **Note:** -SP models not RoHS approved.

Note: For applications with high cycle rate within gage total pressure rating, next higher rating is recommended. See Medium and High pressure options.

*Low temperature models available as special options.

A-432

A-605

❶**Over Protection Note: See page 21 (Series 2000)**

Dwyer

SERIES 2000

MAGNEHELIC® DIFFERENTIAL PRESSURE GAGES

Indicate Positive, Negative or Differential, Accurate within 1%

Bezel provides flange for flush mounting in panel.

Clear plastic face is highly resistant to breakage. Provides undistorted viewing of pointer and scale.

Precision litho-printed scale is accurate and easy to read.

Calibrated range spring is flat spring steel. Small amplitude of motion assures consistency and long life. It reacts to pressure on diaphragm. Live length adjustable for calibration.

Red tipped pointer of heat treated aluminum tubing is easy to see. It is rigidly mounted on the helix shaft.

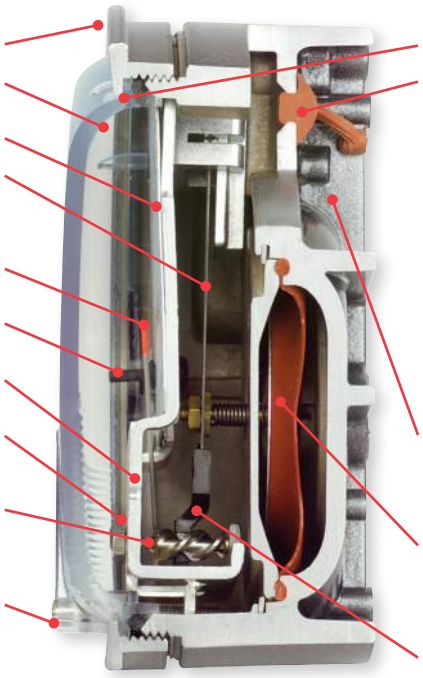
Pointer stops of molded rubber prevent pointer over-travel without damage.

"Wishbone" assembly provides mounting for helix, helix bearings and pointer shaft.

Jeweled bearings are shock-resistant mounted; provide virtually friction-free motion for helix. Motion damped with high viscosity silicone fluid.

Helix is precision made from an alloy of high magnetic permeability. Mounted in jeweled bearings, it turns freely, following the magnetic field to move the pointer across the scale.

Zero adjustment screw is conveniently located in the plastic cover, and is accessible without removing cover. O-ring seal provides pressure tightness.



O-ring seal for cover assures pressure integrity of case.

OVERPRESSURE PROTECTION
Blowout plug is comprised of a rubber plug on the rear which functions as a relief valve by unseating and venting the gage interior when over pressure reaches approximately 25 psig (1.7 bar). To provide a free path for pressure relief, there are four spacer pads which maintain 0.023″ clearance when gage is surface mounted. Do not obstruct the gap created by these pads.
The blowout plug is not used on models above 180″ of water pressure, medium or high pressure models, or on gages which require an elastomer other than silicone for the diaphragm.
The blowout plug should not be used as a system overpressure control. High supply pressures may still cause the gage to fail due to over pressurization, resulting in property damage or serious injury. Good engineering practices should be utilized to prevent your system from exceeding the ratings of any component.

Die cast aluminum case is precision made and iridite-dipped to withstand 168 hour salt spray corrosion test. Exterior finished in baked dark gray hammerloid. One case size is used for all standard pressure options, and for both surface and flush mounting.

Silicone rubber diaphragm with integrally molded O-ring is supported by front and rear plates. It is locked and sealed in position with a sealing plate and retaining ring. Diaphragm motion is restricted to prevent damage due to overpressures.

Samarium Cobalt magnet mounted at one end of range spring rotates helix without mechanical linkages.

MODEL CHART

Model	Range, Inches of Water
2000-00N†••	.05-0-.2
2000-00†••	0-.25
2000-0†•	0-.50
2001	0-1.0
2002	0-2.0
2003	0-3.0
2004	0-4.0
2005	0-5.0
2006	0-6.0
2008	0-8.0
2010	0-10
2012	0-12
2015	0-15
2020	0-20
2025	0-25
2030	0-30
2040	0-40
2050	0-50
2060	0-60
2080	0-80
2100	0-100
2120	0-120
2150	0-150
2160	0-160
2180*	0-180
2250*	0-250
Zero Center Ranges	
2300-00†••	0.125-0-0.125
2300-0†•	.25-0-.25
2301	.5-0-.5
2302	1-0-1
2304	2-0-2
2310	5-0-5
2320	10-0-10
2330	15-0-15

Model	Range, PSI
2201	0-1
2202	0-2
2203	0-3
2204	0-4
2205	0-5
2210*	0-10
2215*	0-15
2220*	0-20
2230**	0-30

Model	Range, CM of Water
2000-15CM	0-15
2000-20CM	0-20
2000-25CM	0-25
2000-50CM	0-50
2000-80CM	0-80
2000-100CM	0-100
2000-150CM	0-150
2000-200CM	0-200
2000-250CM	0-250
2000-300CM	0-300
Zero Center Ranges	
2300-4CM	2-0-2
2300-10CM	5-0-5
2300-30CM	15-0-15

Model	Range, MM of Water
2000-6MM†••	0-6
2000-10MM†•	0-10
2000-15MM	0-15
2000-25MM	0-25
2000-30MM	0-30
2000-50MM	0-50
2000-80MM	0-80
2000-100MM	0-100
2000-125MM	0-125
2000-150MM	0-150
2000-200MM	0-200
2000-250MM	0-250
2000-300MM	0-300
Zero Center Ranges	
2300-6MM†••	3-0-3
2300-10MM†•	5-0-5
2300-20MM†•	10-0-10

Model	Range, Pa
2000-60NPA†••	10-0-50
2000-60PA†••	0-60
2000-100PA†•	0-100
2000-125PA†•	0-125
2000-250PA	0-250
2000-300PA	0-300
2000-500PA	0-500
2000-750PA	0-750
2000-1000PA	0-1000
Zero Center Ranges	
Model	**Range, Pa**
2300-60PA†••	30-0-30
2300-100PA†•	50-0-50
2300-120PA	60-0-60
2300-200PA	100-0-100
2300-250PA	125-0-125
2300-300PA	150-0-150
2300-500PA	250-0-250
2300-1000PA	500-0-500

Model	Range, kPa
2000-0.5KPA	0-0.5
2000-1KPA	0-1
2000-1.5KPA	0-1.5
2000-2KPA	0-2
2000-2.5KPA	0-2.5
2000-3KPA	0-3
2000-4KPA	0-4
2000-5KPA	0-5
2000-8KPA	0-8
2000-10KPA	0-10
2000-15KPA	0-15
2000-20KPA	0-20
2000-25KPA	0-25
2000-30KPA	0-30
Zero Center Ranges	
2300-1KPA	.5-0-.5
2300-2KPA	1-0-1
2300-2.5KPA	1.25-0-1.25
2300-3KPA	1.5-0-1.5

Dual Scale Air Velocity Units
For use with pitot tube

Model	Range, in w.c./ Velocity F.P.M.
2000-00AV†••	0-.25/ 300-2000
2000-0AV†•	0-.50/ 500-2800
2001AV	0-1.0/ 500-4000
2002AV	0-2.0/ 1000-5600
2005AV	0-5.0/ 2000-8800
2010AV	0-10/ 2000-12500

Dual Scale English/Metric Models

Model	Range, in w.c.	Range, Pa or kPa
2000-00D†••	0-.25	0-62 Pa
2000-0D†•	0-0.5	0-125 Pa
2001D	0-1.0	0-250 Pa
2002D	0-2.0	0-500 Pa
2003D	0-3.0	0-750 Pa
2004D	0-4.0	0-1.0 kPa
2005D	0-5.0	0-1.25 kPa
2006D	0-6.0	0-1.5 kPa
2008D	0-8.0	0-2.0 kPa
2010D	0-10	0-2.5 kPa
2015D	0-15	0-3.7 kPa
2020D	0-20	0-5 kPa
2025D	0-25	0-6.2 kPa
2050D	0-50	0-12.4 kPa
2060D	0-60	0-15 kPa

†These ranges calibrated for vertical scale position • Accuracy ±3% •• Accuracy ±4% *MP option standard **HP option standard

VELOCITY AND VOLUMETRIC FLOW UNITS
Scales are available on the Magnehelic® gage that read in velocity units (FPM, m/s) or volumetric flow units (SCFM, m^3/s, m^3/h). Stocked velocity units with dual range scales in inches w.c. and feet per minute are shown above. For other ranges contact the factory.
When ordering volumetric flow scales please specify the maximum flow rate and its corresponding pressure.
Example: 0.5 in w.c. = 16,000 CFM.

ACCESSORIES

Model	Description
A-321	Safety relief valve
A-448	3-piece magnet kit for mounting Magnehelic® gage directly to magnetic surface
A-135	Rubber gasket for panel mounting
A-401	Plastic carry case
A-310A	3-way vent valves. In applications where pressure is continuous and the Magnehelic® gage is connected by metal or plastic tubing which cannot be easily removed, we suggest using Dwyer A-310A vent valves to connect gage. Pressure can then be removed to check or re-zero the gage

A-310A

OUTDOOR SOUND ENCLOSURE

Enclosure Specification
Modular System

501 South Main Street
Spring City, PA 19475
1-800-962-0670

▪Enclosure shall be designed to fit just around the equipment to keep cost down. A 4" clearance is the standard dimension provided between the enclosure and the equipment on all sides and the top.

▪Each sound enclosure should be factory assembled and skidded or shipped knocked down. The enclosure shall be designed to incorporate: forced air ventilation with acoustically treated air intake and exhaust. Fan will be sized to maintain a temperature outside/inside variation no greater than 15°F.

▪The enclosure frame shall be made of a heavy-duty aluminum square-tubing frame that allows each wall and roof panel to be removable. A three directional slip fit aluminum corner fitting piece shall be provided at each of the eight corners to connect all aluminum frame pieces together.

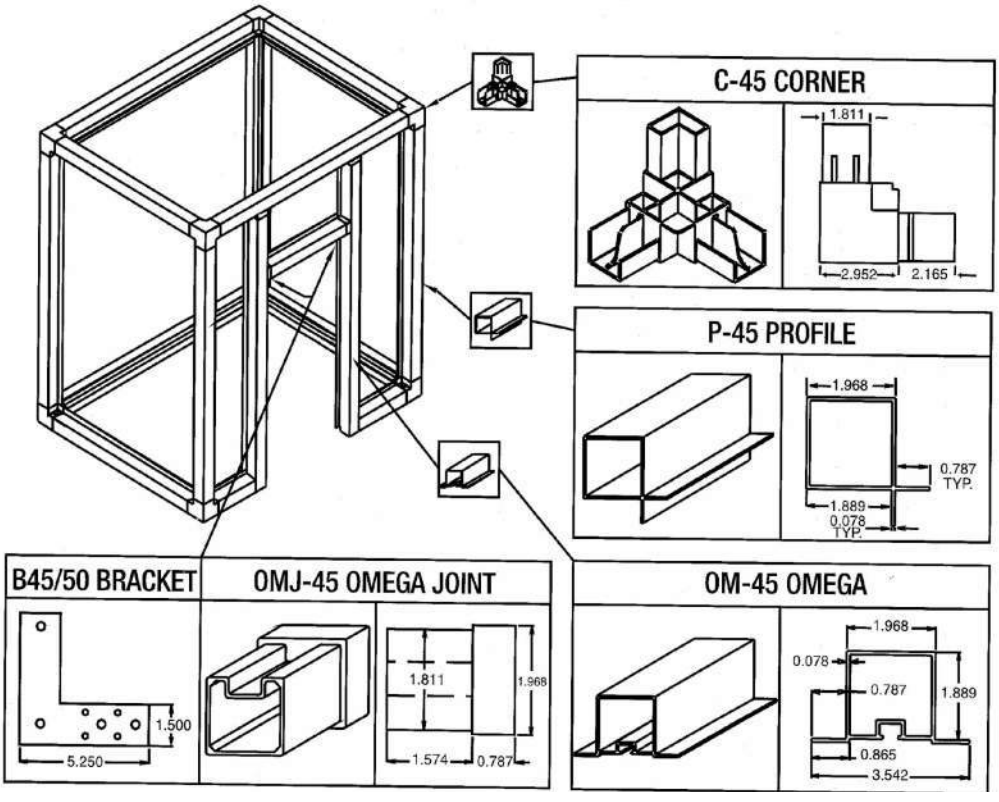
▪Acoustic panels shall have 18 gauge aluminized steel channel provided for bottom caps, top caps, and openings.

▪Acoustic panels:
- ▪Wall and roof panels shall have exterior skin of 18-gauge aluminized steel. Skin shall be 2.5#/ft^2
- ▪2" absorption material, sound absorbing embossed densified polyurethane foam.

▪All doors will be provided with acoustic seals on all four sides with stainless steel or nylon handles and hinges.

▪All side panels to be easily removable via a quick release clamp.

▪Panel acoustical performances have been tested by an independent laboratory and achieve a NRC = 1.0. Expected 20-25 dba reduction when measured at 1 meter in a free field.



See a complete listing of our noise reduction products online at www.ramequipment.com

McMASTER-CARR®

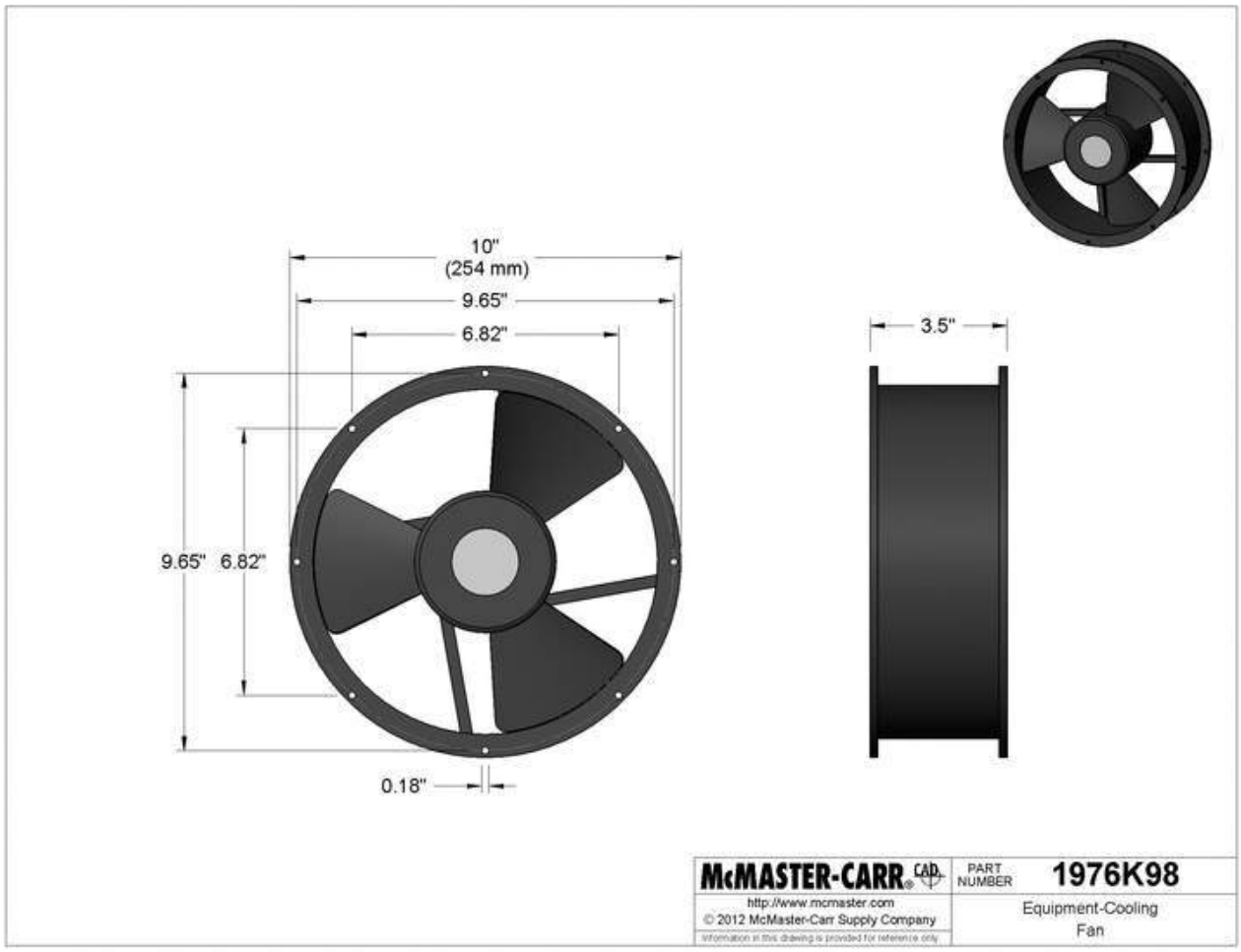
Equipment-Cooling Fan

Round, 120V AC, Quick-Disconnect Terminals, 10" Diameter, 600 CFM Airflow

1976K98

Shape	Round
Overall	
Diameter	10" (254 mm)
Depth	3.5" (88.9 mm)
Airflow	600 cfm
Volume	49 dB
Voltage	120V AC
Electrical Phase	Single
Current	0.22 A
Frequency	50Hz/60Hz
Power Source	Electric
Electrical Connection	Quick-Disconnect Terminals
Frame Material	Aluminum
Blade Material	Plastic
Thermostat Included	No
Mounting Fasteners Included	No
Mounting Hole Diameter	0.18" (4.6 mm)
Specifications Met	CSA Certified, UL Recognized
RoHS	Compliant

Also known as muffin fans, these keep heat-sensitive equipment such as electronic components cool. All have UL recognized components and are CSA certified. Fans with quick-disconnect (QD) terminals are compatible with quick-disconnect (QD) power cords.

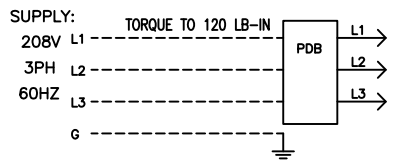


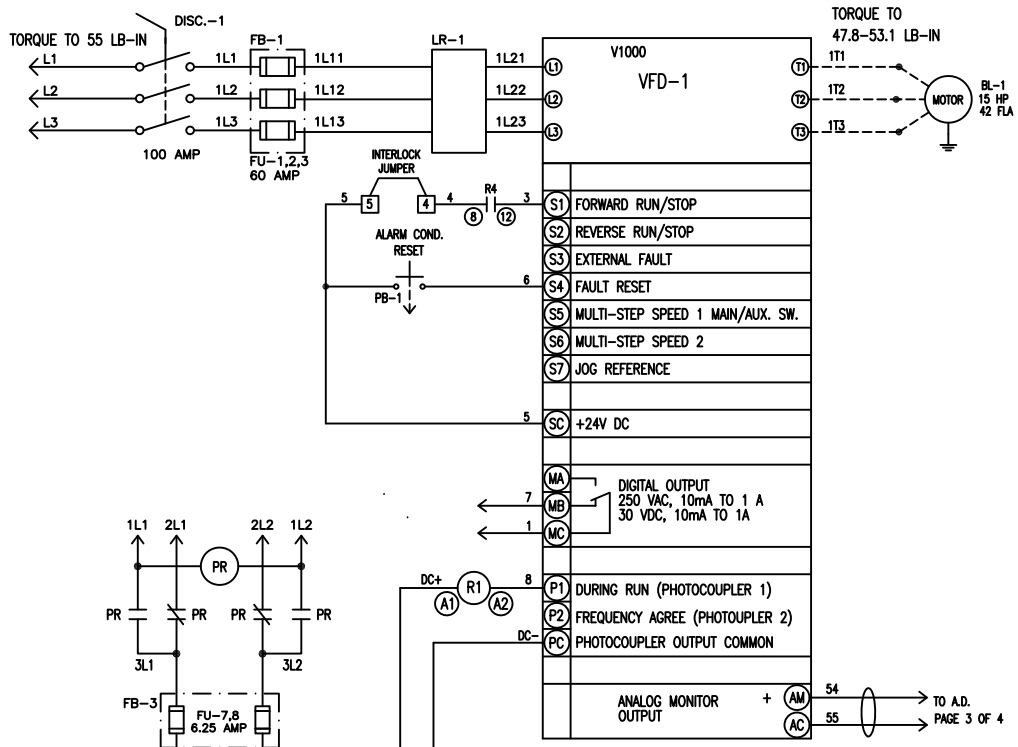
The information in this 3-D model is provided for reference only.

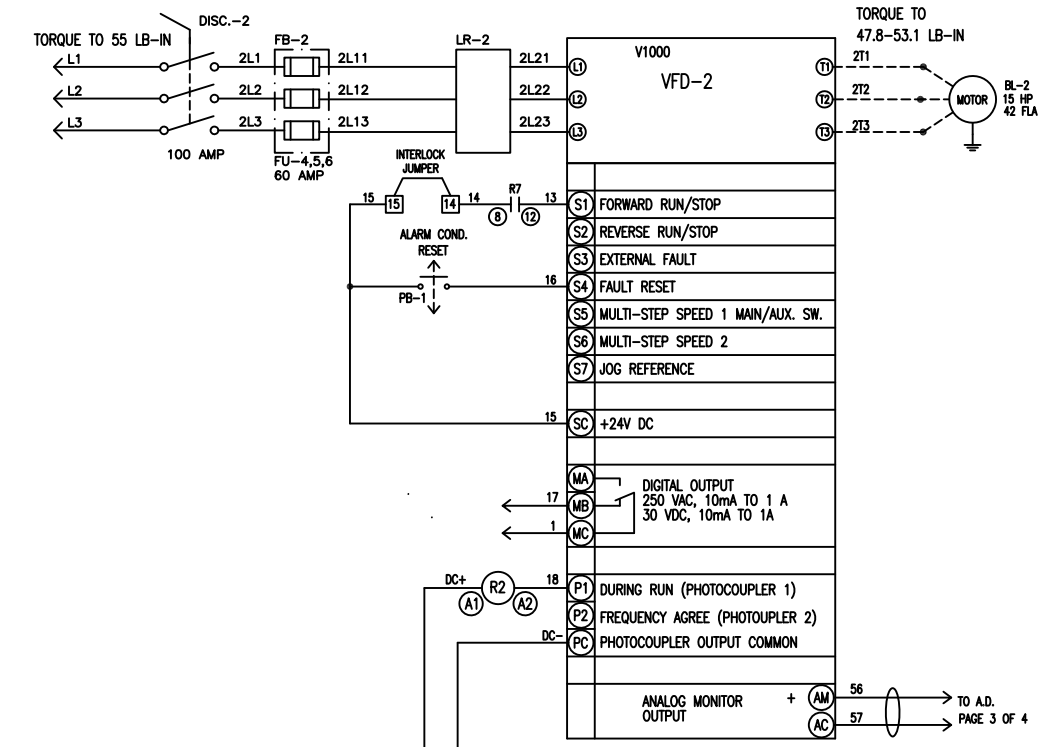
CONTROL PANEL

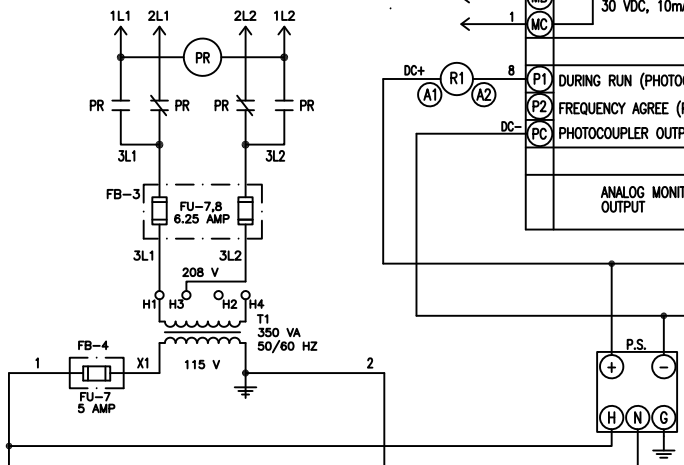
SUITABLE FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN 5Kα RMS SYMMETRICAL AMPERES, 208V AC VOLTS MAXIMUM

UPSTREAM PROTECTION:
FUSIBLE DISCONNECT OR CIRCUIT BREAKER MUST BE PROVIDED BY INSTALLER AS PER STATE AND LOCAL REQUIREMENTS.









REVISIONS				
REV.	DATE	BY	CHKD.	DESCRIPTION

J.E. GASHO & ASSOCIATES
PO# 85954-3472

APPROX. WEIGHT: 300 LB'S

HP 15

VOLTAGE 208

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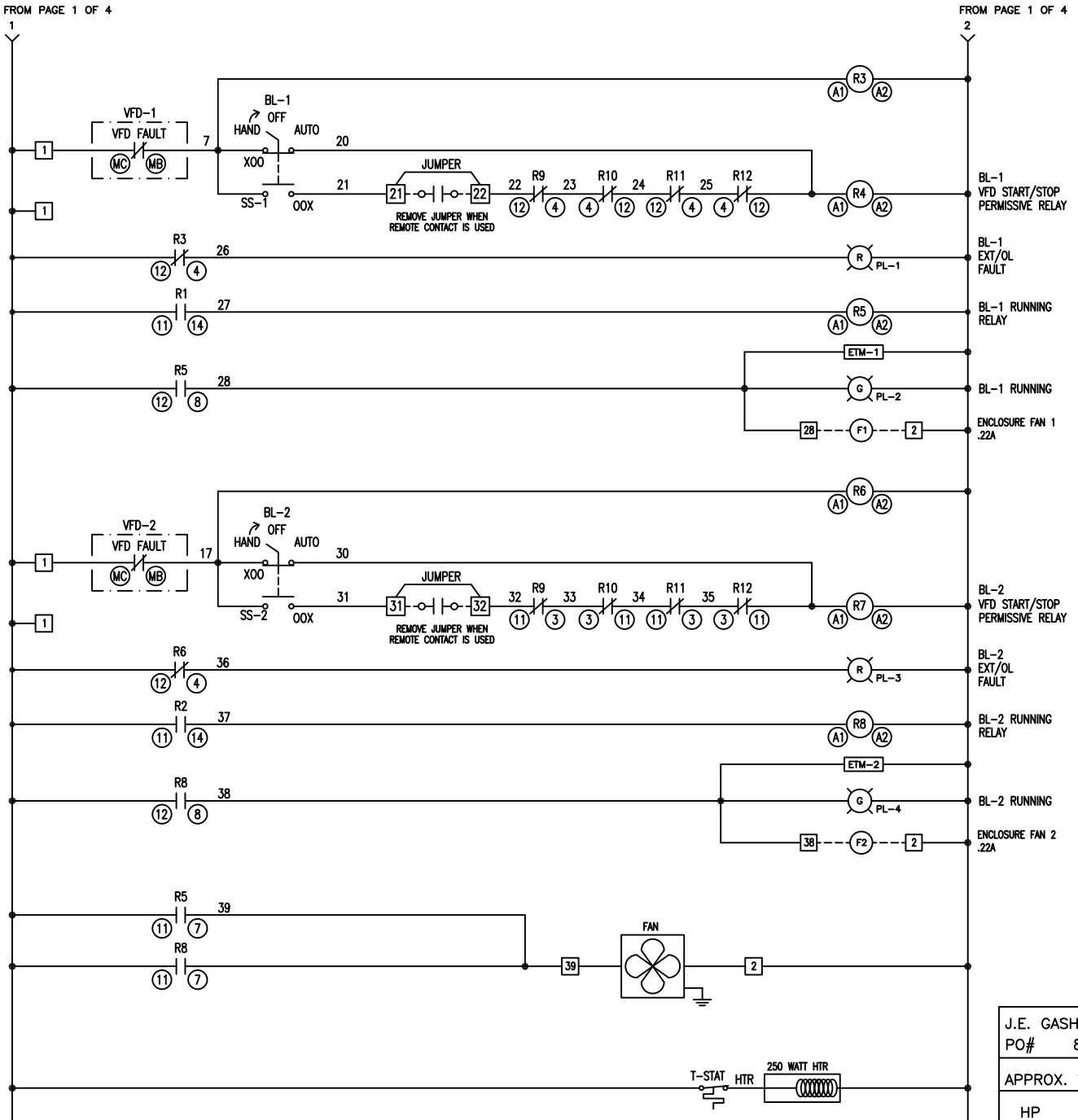
TITLE: SVE/SPARGE CONTROL PANEL

DATE	PAGE	DWG NO.	
9/9/20	1 OF 4	GASH261	INTERNATIONAL CONTROL PRODUCTS, INC.



NOTES:

1. □ INDICATES TERMINAL BLOCK
2. ○ INDICATES COMPONENT TERMINAL POINT
3. USE COPPER WIRE ONLY
4. REPLACE WITH LIKE FUSES ONLY
5. ALL CONTACTS SHOWN WITH POWER OFF
6. HTS – INDICATES TEMP. SWITCH
7. VAC – INDICATES VACUUM SWITCH
8. TORQUE TERMINAL BLOCKS TO 5-7 LB-IN

REVISIONS				
REV.	DATE	BY	CHKD.	DESCRIPTION

J.E. GASHO & ASSOCIATES
PO# 85954-3472

APPROX. WEIGHT: 300 LB'S

HP 15

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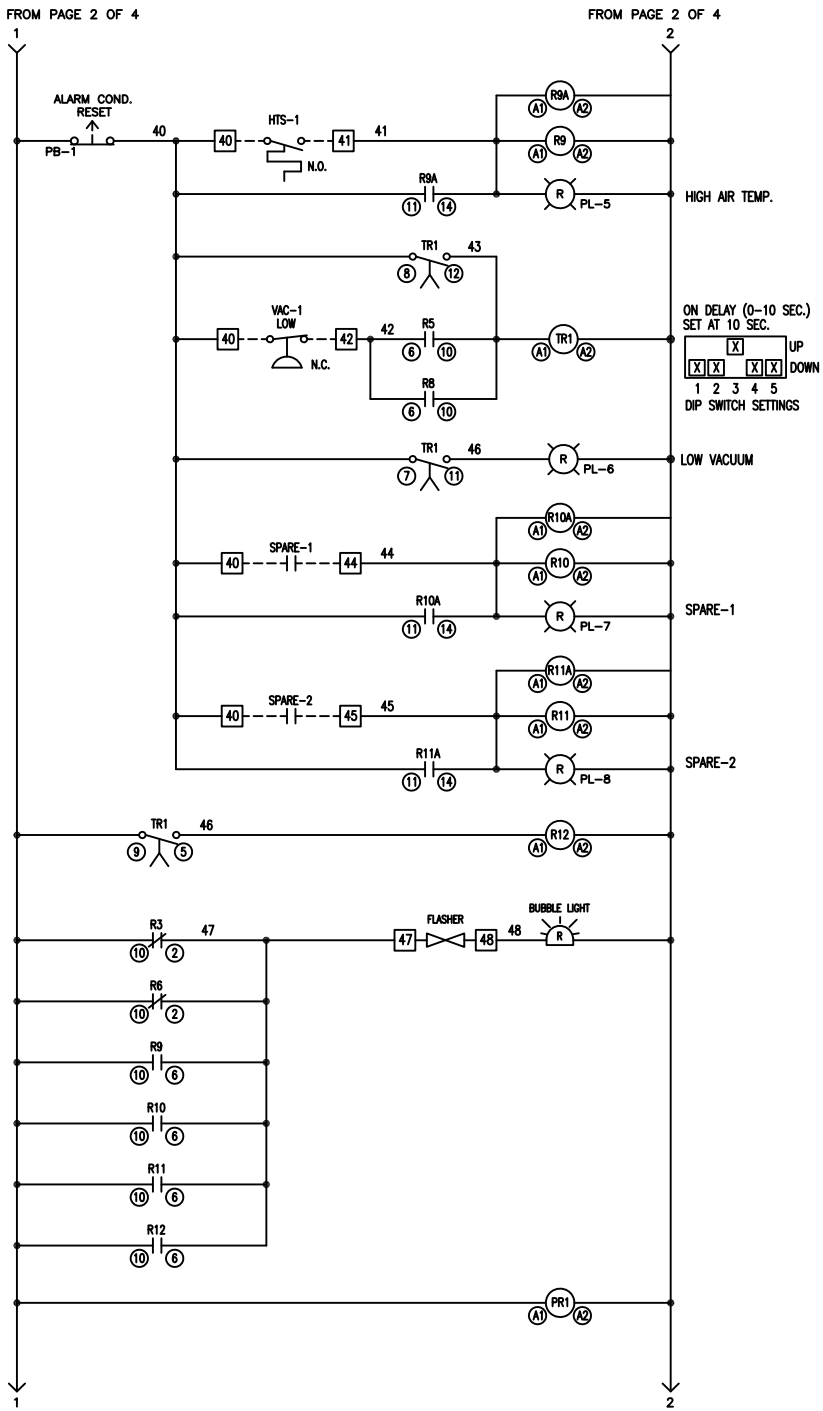
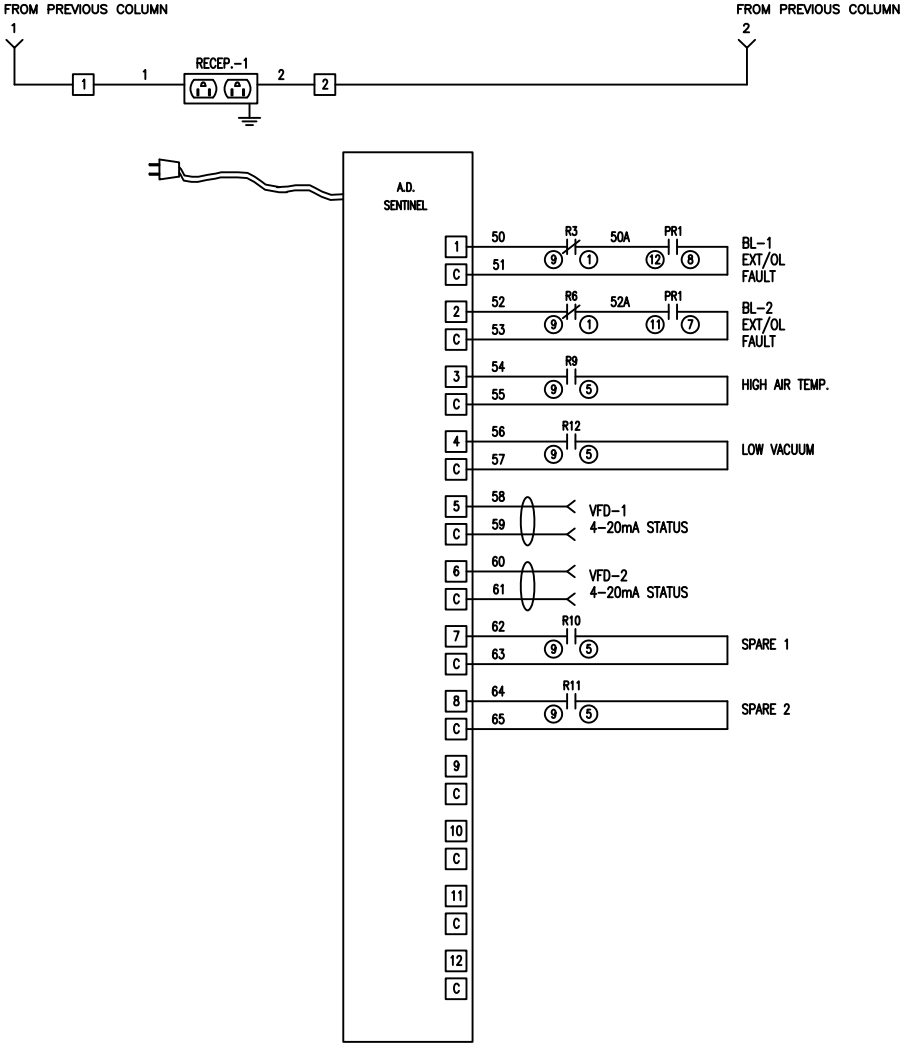
TITLE: SVE/SPARGE CONTROL PANEL

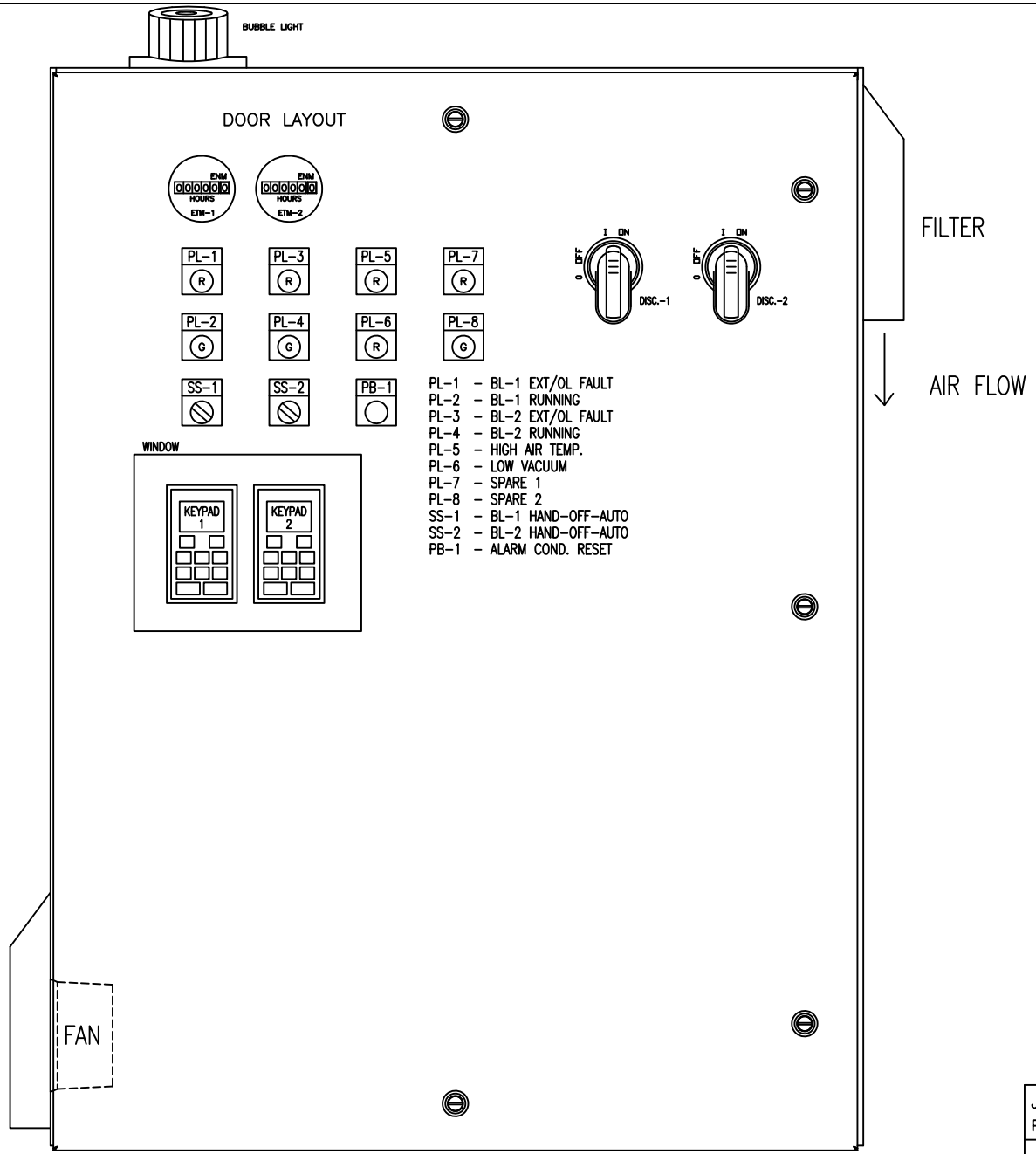
DATE	PAGE	DWG NO.	
9/9/20	2 OF 4	GASH261	INTERNATIONAL CONTROL PRODUCTS, INC.





REVISIONS				
REV.	DATE	BY	CHKD.	DESCRIPTION

J.E. GASHO & ASSOCIATES PO# 85954-3472	THIS DOCUMENT IS THE PROPERTY OF INTERNATIONAL CONTROL PRODUCTS. THE EXPLOITATION OR TRANSFER OF ANY INFORMATION HEREIN IS NOT PERMITTED IN THE ABSENCE OF ANY AGREEMENT WITH INTERNATIONAL CONTROL PRODUCTS AND ANY INFORMATION CONTAINED IN THIS DOCUMENT MAY NOT BE RELEASED WITHOUT THE CONSENT OF INTERNATIONAL CONTROL PRODUCTS.		
APPROX. WEIGHT: 300 LB'S			
HP 15 VOLTAGE 208	TITLE: SVE/SPARGE CONTROL PANEL		
DATE 9/9/20	PAGE 3 OF 4	DWG NO. GASH261	INTERNATIONAL CONTROL PRODUCTS, INC.



BILL OF MATERIALS

ITEM	QTY	ITEM LABEL	MFG.	DESCRIPTION	PART NUMBER
1	1	ENCL	SCE	48x36x16 NEMA 3R ENCLOSURE	SCE-48EL3616LP
2	1	ENCL	SCE	47x33 STEEL BACK PANEL	SCE-48P36
3	1	ENCL	SCE	PADLOCK ATTACHMENT	SCE-PLHG
4	1	FAN	HAMMOND	ENCLOSURE FAN	XF10115
5	1	FAN	HAMMOND	ENCLOSURE FILTER	XFG10
6	2	FAN	HAMMOND	FAN/FILTER RAIN HOOD	RH60000GY
7	2	DISC.-1,2	ABB	100A 3P NON-FUSED DISC. SWITCH	OT100F3
8	2	DISC.-1,2	ABB	NEMA 12 DISCONNECT HANDLE	OHB65J6
9	2	DISC.-1,2	ABB	DISCONNECT SHAFT	OXP6X430
10	2	DISC.-1,2	ABB	SHAFT GUIDE	OHZX10
11	1	PDB	MERSEN	POWER DISTRIBUTION BLOCK	MPDB63133
12	2	FB-1,2	MERSEN	3P 60A CLASS J FUSE BLOCK	60608J
13	6	FU1,2,3,4,5,6	MERSEN	60 AMP CLASS J FUSE	AJT60
14	2	VFD-1,2	YASKAWA	15HP (56 AMP) VFD	CIMR-VU2A0056FAA
15	2	VFD-1,2	YASKAWA	LCD DIGITAL OPERATOR	JVOP-180
16	2	VFD-1,2	YASKAWA	KEYPAD INSTALL KIT	EZZ020642A
17	2	CAT5-1,2	PANDUIT	10' CAT 5E CABLE	NK5EPC10BUY
18	1	WINDOW	VYNKIER	10x8 HINGED VIEWING WINDOW	NI108W
19	2	LR-1,2	TCI	LINE REACTOR	KDRD24L
20	1	PR	WEG	12 AMP RELAY W/ 208V COIL	CWC012-10-30V24
21	1	PR	WEG	2 N.C. AUX. CONTACT	BFC0-02
22	2	SS-1,2	ABB	3 POS. S.S. SPRG. RET. L TO C (2 N.O.)	M3SS7-30B-20
23	6	PL-1,3,5,6,7,8	ABB	RED F.V. PILOT LIGHT - 120V	CL-100R
24	2	PL-2,4	ABB	GREEN F.V. PILOT LIGHT - 120V	CL-100G
25	1	PB-1	ABB	BLACK FLUSH P.B. (2 N.O./1 N.C.)	MP1-30B-21
26	2	ETM-1,2	ENM	ELAPSED TIME METER	T50B2-12
27	1	T1	ACME	350VA CONTROL TRANSFORMER	TA-2-81306
28	1	FB-3	MERSEN	2P 30A CLASS CC FUSE BLOCK	30322R
29	2	FU-7,8	MERSEN	6 1/4 AMP CLASS CC FUSE	ATDR6 1/4
30	1	FB-4	MERSEN	1P 30A MIDGET FUSE BLOCK	30321
31	1	FU-9	MERSEN	5 AMP TIME DELAY FUSE	TRM5
32	2	R1,R2	FINDER	2 POLE RELAY - 24V DC	38.52.0.024.0060
33	10	R3-->R12	FINDER	4 POLE RELAY - 120V	55.34.8.120.0040
34	10	R3-->R12	FINDER	4 POLE RELAY SOCKET	94.74
35	3	R9A,R10A,R11A	FINDER	1 POLE RELAY - 120V	38.51.0.125.0060
36	1	TR1	FINDER	4 POLE TIMER - 120V	85.04.0.125.0000
37	1	TR1	FINDER	4 POLE TIMER SOCKET	94.74
38	1	RECEPT.	COMMERCIAL ELECTRIC	1 GANG BOX	WSB350G
39	1	RECEPT.	GFCI	GFCI RECEPTACLE	TGMT20
40	1	A.D.	SENSAPHONE	VERIZON SENTINEL CELLULAR MONITORING SYSTEM	SCD-1200-4GVZSD
41	1	HTR	STEGO	250 WATT HTR	028119-00
42	1	T-STAT	STEGO	HEATER T-STAT	011409-00
43	1	P.S.	RHINO	60 WATT, 24V DC POWER SUPPLY	PSB24-060-P
44	1	FLASHER	ATC DIV	FLASHER RELAY	ETN-120-AFT-75
45	1	BUBBLE	INGRAM	RED BUBBLE LIGHT	LRX25RED
46	34	T.B.'S	PHOENIX	TERMINAL BLOCK	3004362
47	1	T.B.'S	PHOENIX	TERMINAL BLOCK END COVER	3003020
48	2	T.B.'S	PHOENIX	DIN RAIL END RETAINER	0800886
49	3	GROUND	BURNDY	14-2 AWG GROUND LUG	DLA2
50					

REVISIONS

REV.	DATE	BY	CHKD.	DESCRIPTION

J.E. GASHO & ASSOCIATES
PO# 85954-3472

APPROX. WEIGHT: 300 LB'S

HP 15

VOLTAGE 208

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TITLE: SVE/SPARGE CONTROL PANEL

DATE	PAGE	DWG NO.	
9/9/20	4 OF 4	GASH261	INTERNATIONAL CONTROL PRODUCTS, INC.

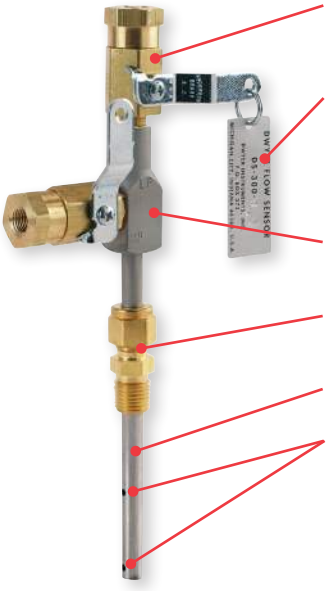
SHIPPING LOOSE

Dwyer

SERIES DS

IN-LINE FLOW SENSORS

Use with the Dwyer® Differential Pressure Gages or Transmitters



Valves — Standard, brass with TFE seat and Buna-N O-ring.

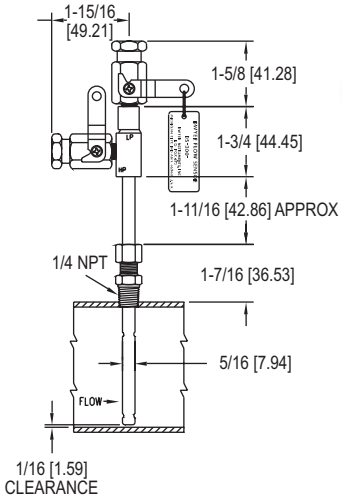
Nameplate — Stainless steel permanently attached with split ring. Includes complete size and model information.

Head — Machined stainless steel.

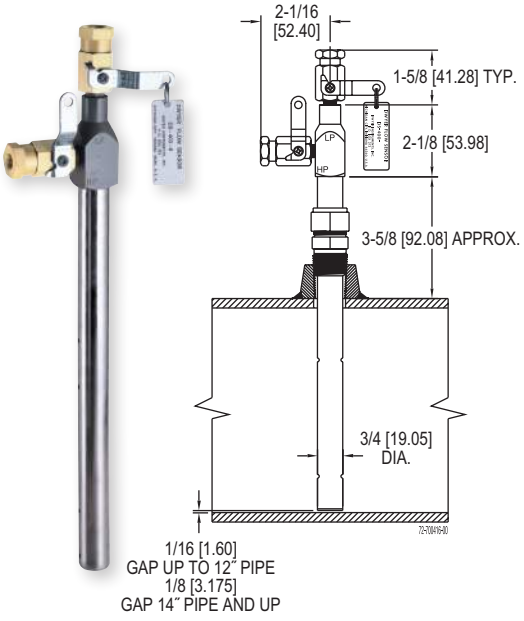
Packing gland — Brass compression fitting.

Sensor tube — 304 SS.

Sensing ports — Multiple upstream and downstream ports sized and positioned to provide effective accurate pressure averaging, even at lower velocities.



Series DS-300



Large 3/4 inch diameter for extra strength in lengths to 24 inches

Series DS-400

The **Series DS In-Line Flow Sensors** are two Series of averaging Pitot tubes for compatible gases and liquids that provide accurate and convenient flow rate sensing, for schedule 40 pipe, when purchased with suitable differential pressure gage with appropriate range. The Series DS-300 Averaging Flow Sensors are designed to be inserted in the pipeline through a compression fitting and available for pipe sizes from 1 to 10″ (2.5 to 25.4 cm). Accessories include adapters with 1/4″ SAE 45° flared ends compatible with hoses supplied with the Model A-471 Portable Capsuhelic® Gage Kit. The Series DS-400 Averaging Flow Sensors are designed for insertion lengths up to 24″ (61 cm) and include a pair of 1/8″ NPT x 1/4″ SAE 45° flared adapters which are compatible with hoses used in the Model A-471 Portable Capsuhelic® Gage Kit. The supplied solid brass mounting adapter has a 3/4″ dia. compression fitting to lock in required insertion length and a 3/4″ male NPT thread for mounting in a threaded branch connection (not included).

SPECIFICATIONS

Service: Compatible gases or liquids.
Wetted Materials: Sensor tube: 304 SS; Compression fitting: brass.
Temperature Limit: 200°F (93.3°C).
Pressure Limit: 200 psig (13.78 bar) at 200°F (93.3°C).
Pipe Sizes: DS-300: 1 to 10″ (2.5 to 25.4 cm); DS-400: 6 to 24″ (15.2 to 61 cm).
Process Connections: DS-300: 1/4″ male NPT compression fitting included; DS-400: 3/4″ male NPT compression fitting included.
Piping Connections: DS-300: 1/8″ female NPT; optional 1/8″ female NPT x 1/4″ SAE 45 flared adapter sold separately; DS-400: 1/8″ female NPT with 1/8″ female NPT x 1/4″ SAE 45 flared adapters include.
Weights: Consult factory.

FEATURES/BENEFITS

- Multiple sensing point measurement and built-in averaging capability eliminates the need for “traversing” the flowing stream with single point velocity pressure measurement saving time
- Extremely reliable, proven technology, Pitot tubes, have been used in flow measurement for years
- All models include convenient and quick-acting quarter-turn ball valves to isolate the sensor for zeroing with 1/8″ female NPT valve assembly process connections.
- Furnished with instrument shut-off valves on both pressure connections with 1/8″ female NPT connections rated at 200 psig (13.7 bar) and 200°F (93.3°C)
- Where valves are not required, they can be omitted at reduced cost
- The Series DS-400 Averaging Flow Sensors are quality constructed from extra strong 3/4″ dia. stainless steel to resist increased forces encountered at higher flow rates with both air and water
- Economical flow indication when used with appropriate differential pressure gage
- Rugged construction yields, non-clogging, stable design

APPLICATIONS

- Remediation
- Natural, flare, flue, stack gas
- Boiler feedwater
- Cooling water
- Superheated, saturated, or geothermal steam
- Combustion or compressed air
- Oil flow monitoring

USA: California Proposition 65
⚠WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Dwyer

SERIES DS

IN-LINE FLOW SENSORS

Use with the Dwyer® Differential Pressure Gages or Transmitters

HOW TO ORDER

Merely determine the pipe size into which the flow sensor will be mounted and designate the size as a suffix to Model DS-300. For example, a flow sensor to be mounted in a 2″ pipe would be a Model No. DS-300-2″.

For non-critical water and air flow monitoring applications, the chart below can be utilized for ordering a stock Capsuhelic® differential pressure gage for use with the DS-300 flow sensor. Simply locate the maximum flow rate for the media being measured under the appropriate pipe size and read the Capsuhelic® gage range in inches of water column to the left. The DS-300 sensor is supplied with installation and operating instructions, Bulletin F-50. It also includes complete flow conversion information for the three media conditions shown in the chart below. This information enables the user to create a complete differential pressure to flow rate conversion table for the sensor and differential pressure gage employed. Both the Dwyer® Capsuhelic® gage and flow sensor feature excellent repeatability so, once the desired flow rate is determined, deviation from that flow in quantitative measure can be easily determined. You may wish to order the adjustable signal flag option for the Capsuhelic® gage to provide an easily identified reference point for the proper flow.

Capsuhelic® gages with special ranges and/or direct reading scales in appropriate flow units are available on special order for more critical applications. Customer supplied data for the full-scale flow (quantity and units) is required along with the differential pressure reading at that full flow figure. Prior to ordering a special Capsuhelic® differential pressure gage for flow read-out, we recommend you request Bulletin F-50 to obtain complete data on converting flow rates of various media to the sensor differential pressure output. With this bulletin and after making a few simple calculations, the exact range gage required can easily be determined.

MODEL CHART

Model	Description	Model	Description
DS-300-1″	1″ pipe size	**DS-400-6″**	6″ pipe size
DS-300-1-1/4″	1-1/4″ pipe size	**DS-400-8″**	8″ pipe size
DS-300-1-1/2″	1-1/2″ pipe size	**DS-400-10″**	10″ pipe size
DS-300-2″	2″ pipe size	**DS-400-12″**	12″ pipe size
DS-300-2-1/2″	2-1/2″ pipe size	**DS-400-14″**	14″ pipe size
DS-300-3″	3″ pipe size	**DS-400-16″**	16″ pipe size
DS-300-4″	4″ pipe size	**DS-400-18″**	18″ pipe size
DS-300-6″	6″ pipe size	**DS-400-20″**	20″ pipe size
DS-300-8″	8″ pipe size	**DS-400-24″**	24″ pipe size
DS-300-10″	10″ pipe size		

OPTIONS

To order add suffix:	Description
-LV	DS-300 or DS-400 less valves

RANGE CHART

Gage Range (in w.c.)	Media @ 70°F	Full Range Flows by Pipe Size (Approximate)									
		1″	1-1/4″	1-1/2″	2″	2-1/2″	3″	4″	6″	8″	10″
2	Water (GPM)	4.8	8.3	11.5	20.5	30	49	86	205	350	560
2	Air @ 14.7 PSIA (SCFM)	19.0	33.0	42.0	65.0	113	183	330	760	1340	2130
2	Air @ 100 PSIG (SCFM)	50.0	90.5	120.0	210.0	325	510	920	2050	3600	6000
5	Water (GPM)	7.7	14.0	18.0	34.0	47	78	138	320	560	890
5	Air @ 14.7 PSIA (SCFM)	30.0	51.0	66.0	118.0	178	289	510	1200	2150	3400
5	Air @ 100 PSIG (SCFM)	83.0	142.0	190.0	340.0	610	820	1600	3300	5700	10000
10	Water (GPM)	11.0	19.0	25.5	45.5	67	110	195	450	800	1260
10	Air @ 14.7 PSIA (SCFM)	41.0	72.0	93.0	163.0	250	410	725	1690	3040	4860
10	Air @ 100 PSIG (SCFM)	120.0	205.0	275.0	470.0	740	1100	2000	4600	8100	15000
25	Water (GPM)	18.0	32.0	40.5	72.0	108	173	310	720	1250	2000
25	Air @ 14.7 PSIA (SCFM)	63.0	112.0	155.0	255.0	390	640	1130	2630	4860	7700
25	Air @ 100 PSIG (SCFM)	185.0	325.0	430.0	760.0	1200	1800	3300	7200	13000	22000
50	Water (GPM)	25.0	44.0	57.5	100.0	152	247	435	1000	1800	
50	Air @ 14.7 PSIA (SCFM)	90.0	161.0	205.0	360.0	560	900	1600	3700	6400	
50	Air @ 100 PSIG (SCFM)	260.0	460.0	620.0	1050.0	1700	2600	4600	10000	18500	
100	Water (GPM)	36.5	62.0	82.0	142.0	220	350	620	1500		
100	Air @ 14.7 PSIA (SCFM)	135.0	230.0	300.0	505.0	800	1290	2290	5000		
100	Air @ 100 PSIG (SCFM)	370.0	660.0	870.0	1500.0	2300	3600	6500	15000		

ACCESSORIES

Model	Description
A-160	Threaded branch connection, 3/8″ NPT, forged steel, 3000 psi
A-161	Brass bushing, 1/4″ x 3/8″
A-471	Portable Kit. For portable operation, the A-471 Capsuhelic® Portable Gage Kit is available complete with tough polypropylene carrying case, mounting bracket, 3-way manifold valve, two 10' high pressure hoses, and all necessary fittings.❶
631B	Capsuhelic® Wet/Wet Differential Pressure Transmitter. Low pressure transmitter for use with DS-300/400 flow sensors. Use Series 631B Capsuhelic® Wet/Wet Differential Pressure Transmitter.❷

Capsuhelic® gage shown installed In A-471 portable kit

Series 631B

USA: California Proposition 65
⚠WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

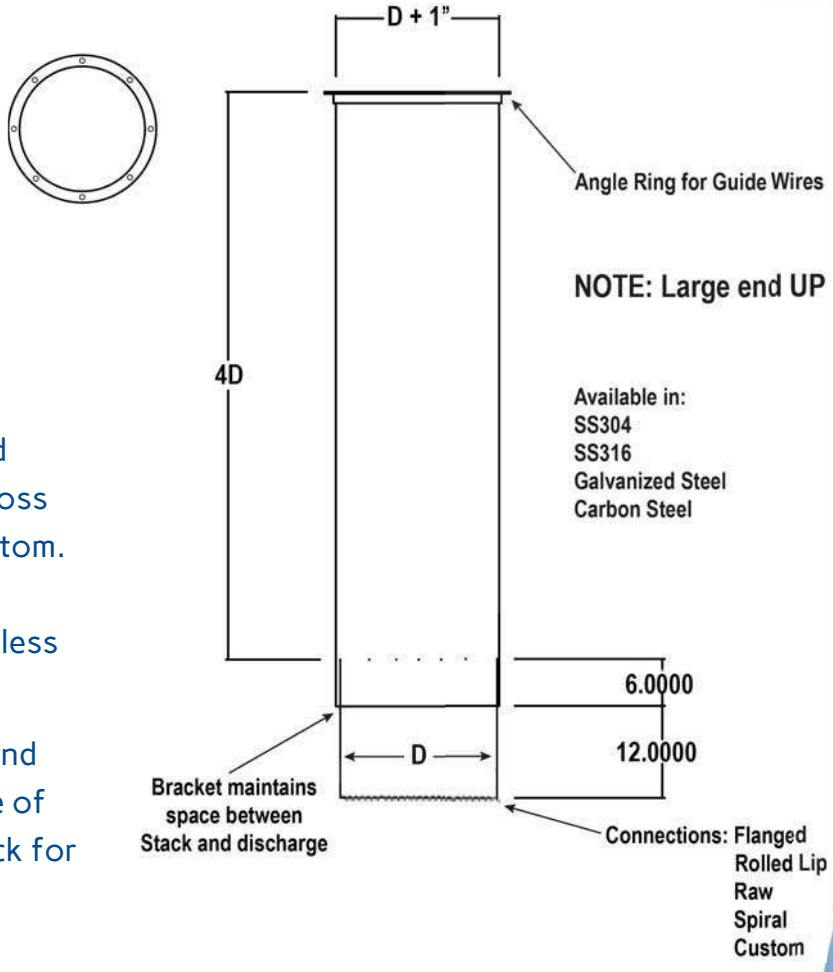
❶See page 31 (Series 4000)
❷See page 81 (Series 631B)

NO-LOSS STACKHEADS

NO LOSS STACKS REDUCE AIRFLOW RESISTANCE AND SAVE MONEY!

No-Loss Stacks or No-Loss Stackheads as they're sometimes called, avoid creating back pressure often caused by less efficient caps or exhaust elbows that can cause increased fan resistance and allow rainwater to enter the system. Increased resistance causes the fan to use additional power to maintain the calculate **cubic feet per minute (CFM)** rate required for the system. Rainwater causes corrosion and resistance to air flow.

To correct this, as you can see in the drawing below, the central exhaust duct is surrounded by the larger duct of the no-loss stack, and extends up higher than the central duct and is open at the bottom.



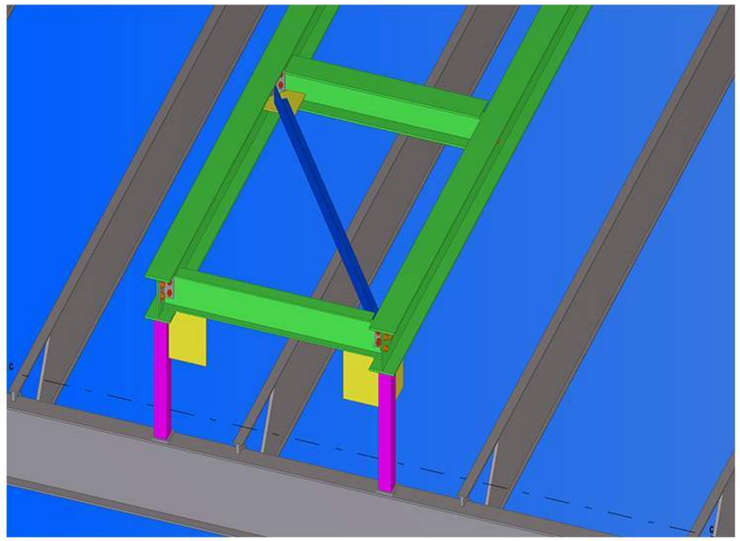
Rain water then falls into the upper part of the larger duct and drains down the side of the no-loss stack and discharges at the bottom. No-Loss stacks are most often ordered in galvanized and stainless steel.

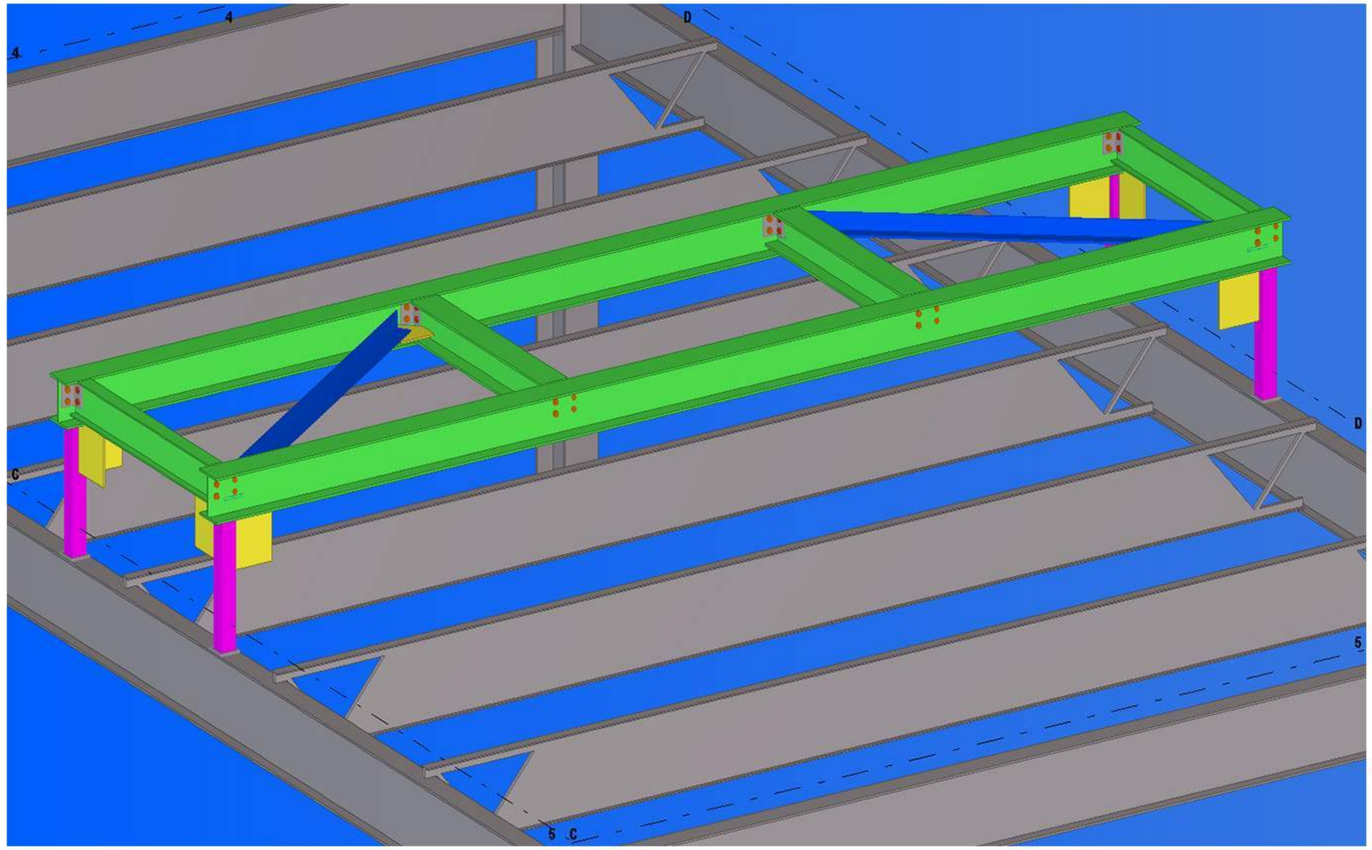
We make sure all of your size and transition needs are taken care of when you order a No-Loss stack for your system.

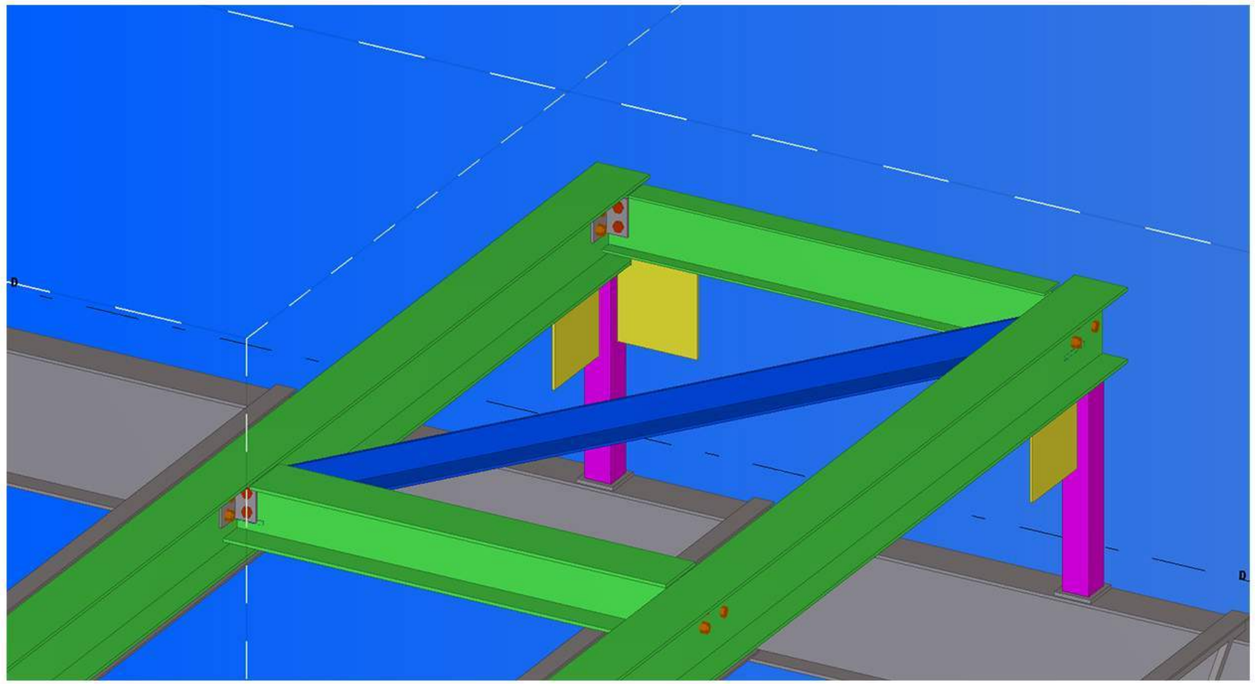
US DUCT

US-DUCT.COM | 855-487-3828

lennieconstruction.com



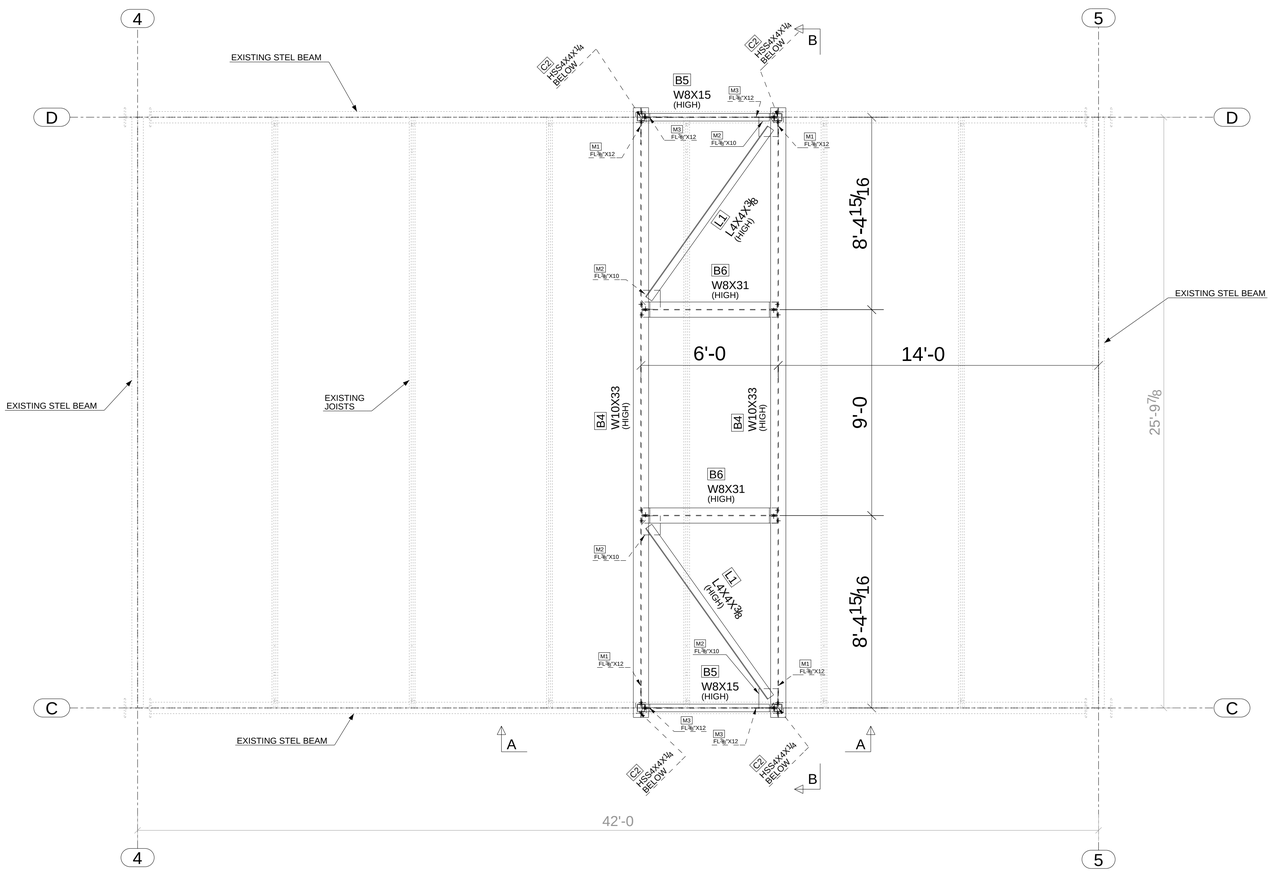




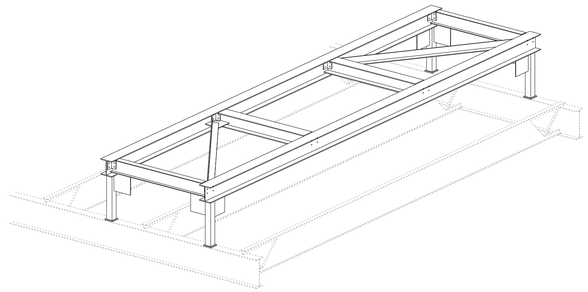
990-1026 Rossville Ave Staten Island NY

NEW ROOF TOP DUNNAGE
steel shop drawings

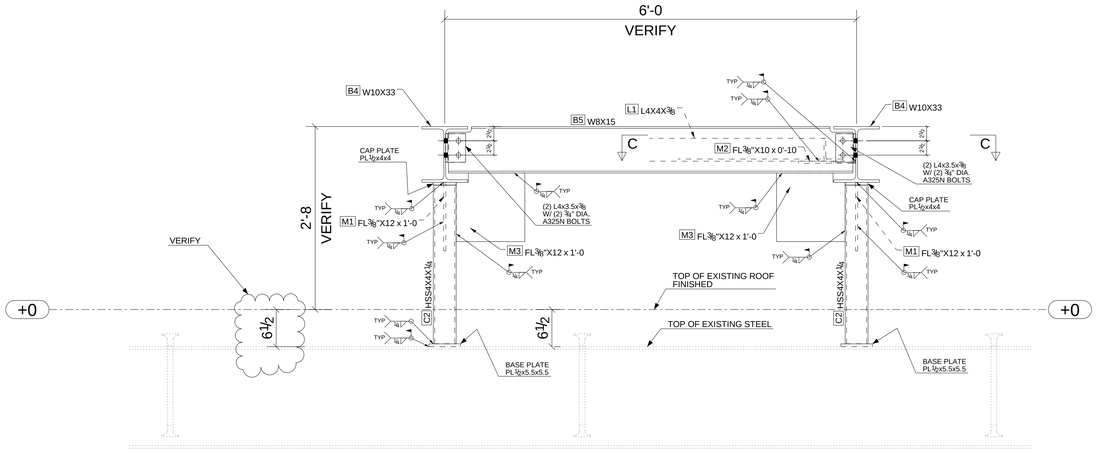
Submit 1 7/23/2021



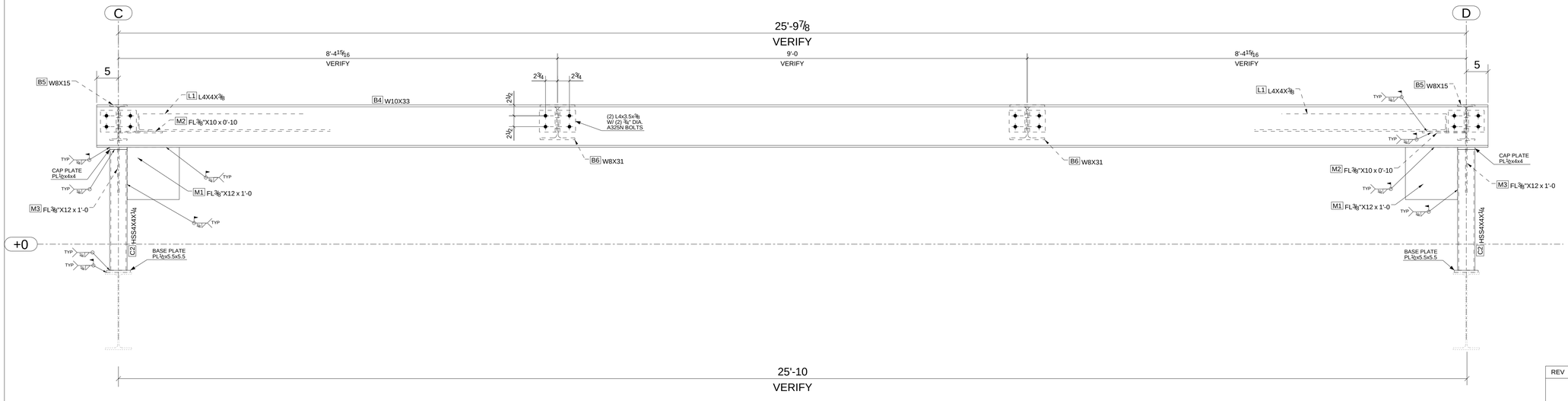
PARTIAL ROOF PLAN



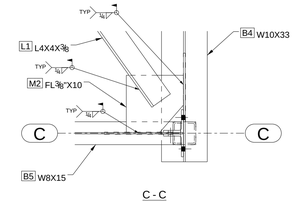
3d



A - A



B - B



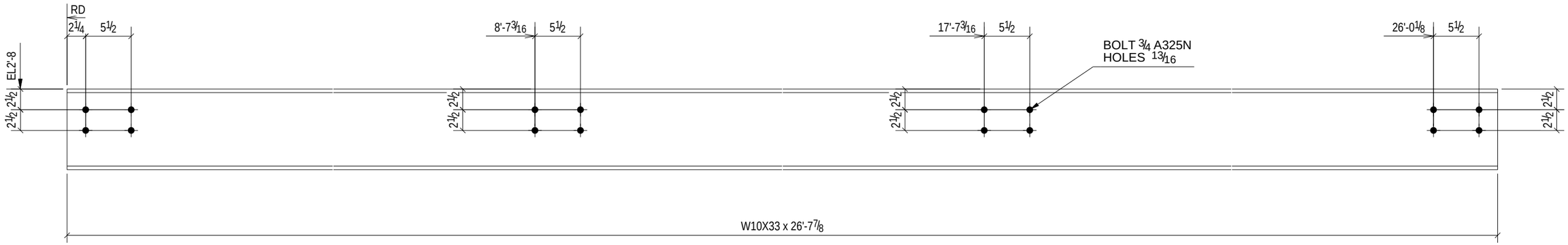
C - C

VERIFY ALL DUNNAGE DIMENSIONS.
VERIFY BEAM LAYOUT

REV	DESCRIPTION	DATE

DESCRIPTION	RTU UNIT SUPPORT		
PROJECT NAME	990-1026 Rossville Ave		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	07/22/2021		E-1

Metal Structures



2 - BEAMS - B4

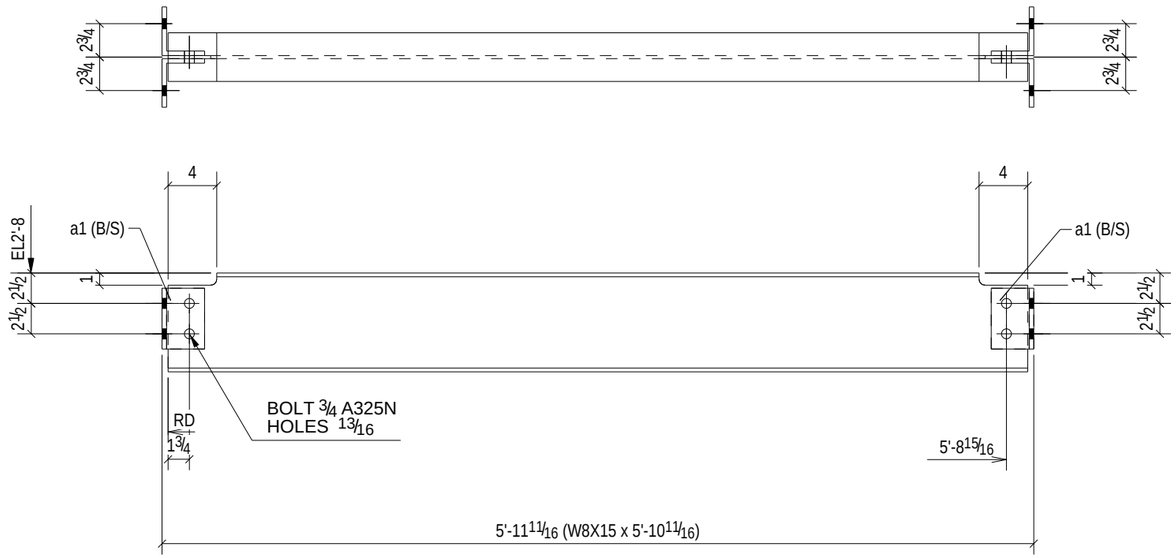
REV	DESCRIPTION	DATE

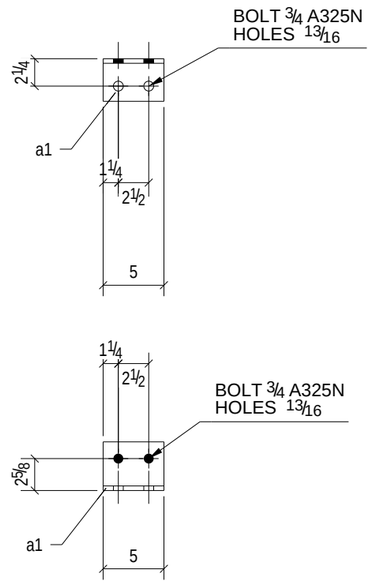
BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
B4	2	BEAMS			SQ-2
B4	2	W10X33	26'-7 7/8"	1762	A992
		TOTAL WEIGHT THIS DRAWING		1762	

DESCRIPTION	BEAM		
PROJECT NAME	990-1026 Rossville Ave		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	07/22/2021		B4

Tekla Structures





2 - BEAMS - B5

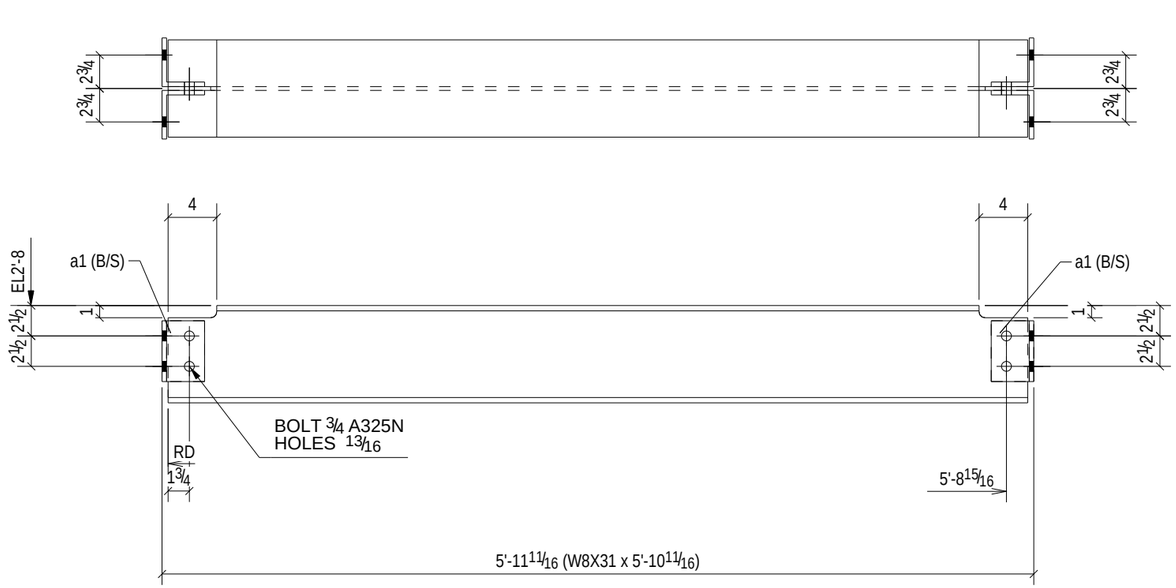
BILL OF MATERIAL

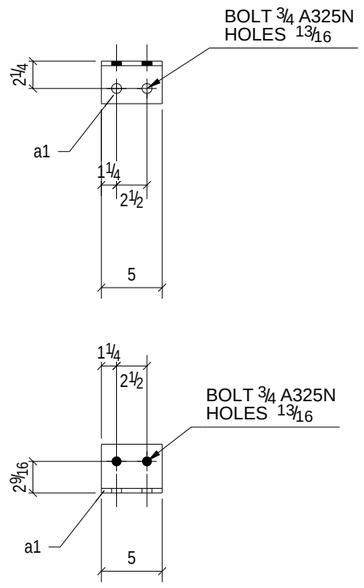
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
B5	2	BEAMS			SQ-2
B5	2	W8X15	5'-10 11/16"	178	A992
a1	8	L4X3-1/2X3/8	0'-5"	30	A36
	8	3/4"Ø A325N BOLT	0'-2 1/4"	5	Workshop
		TOTAL WEIGHT THIS DRAWING		213	

REV	DESCRIPTION	DATE

DESCRIPTION	BEAM		
PROJECT NAME	990-1026 Rossville Ave		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	07/22/2021		B5

Tekla Structures





2 - BEAMS - B6

BILL OF MATERIAL

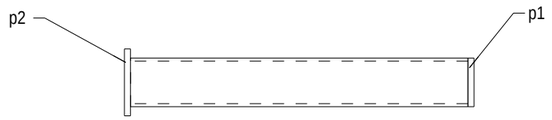
MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
B6	2	BEAMS			SQ-2
B6	2	W8X31	5'-10 11/16"	366	A992
a1	8	L4X3-1/2X3/8	0'-5"	30	A36
	8	3/4"Ø A325N BOLT	0'-2 1/4"	5	Workshop
		TOTAL WEIGHT THIS DRAWING		401	

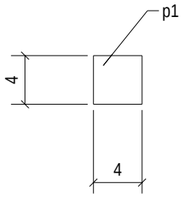
REV	DESCRIPTION	DATE

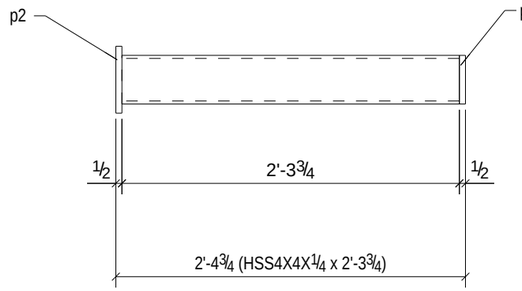
DESCRIPTION	BEAM		
PROJECT NAME	990-1026 Rossville Ave		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	07/22/2021		B6

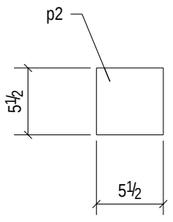
Tekla Structures

GRID LOCATION	BOTTOM ELEVATION
4-5/D	-6"1/2
4-5/C	-6"1/2
4-5/C	-6"1/2
4-5/D	-6"1/2









4 - COLUMNS - C2

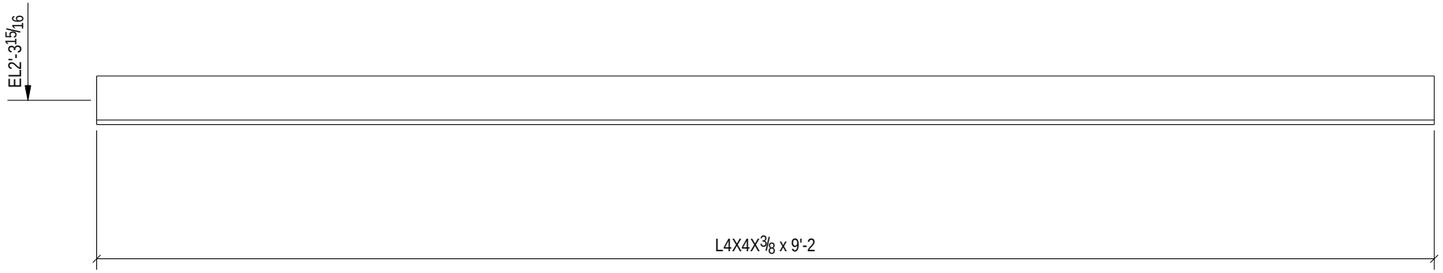
BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
C2	4	COLUMNS			SQ-2
C2	4	HSS4X4X1/4	2'-3 3/4"	106	A1085
p1	4	FL1/2"X4"	0'-4"	9	A36
p2	4	FL1/2"X5 1/2"	0'-5 1/2"	17	A36
		TOTAL WEIGHT THIS DRAWING		132	

REV	DESCRIPTION	DATE

DESCRIPTION	COLUMN		
PROJECT NAME	990-1026 Rossville Ave		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	07/22/2021		C2

Tekla Structures



2 - BEAMS - L1

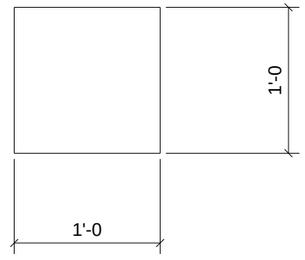
REV	DESCRIPTION	DATE

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
L1	2	BEAMS			SQ-2
L1	2	L4X4X3/8	9'-2"	178	A36
		TOTAL WEIGHT THIS DRAWING		178	

DESCRIPTION	ANGLE		
PROJECT NAME	990-1026 Rossville Ave		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	07/22/2021		L1

Tekla Structures



4 - PLATES - M1

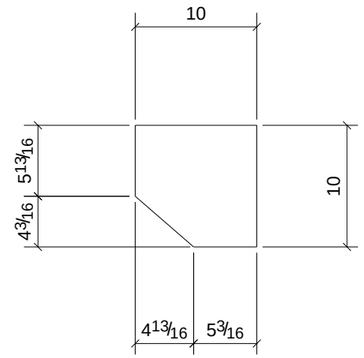
REV	DESCRIPTION	DATE

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
M1	4	PLATES			SQ-2
M1	4	FL3/8"X12"	1'-0"	61	A36
		TOTAL WEIGHT THIS DRAWING		61	

DESCRIPTION	PLATE		
PROJECT NAME	990-1026 Rossville Ave		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	07/22/2021		M1

Tekla Structures



4 - PLATES - M2

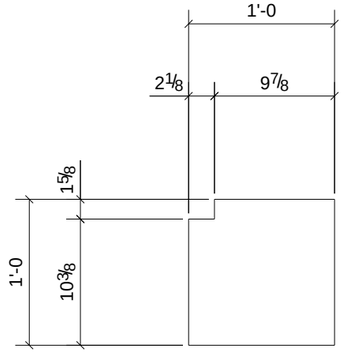
BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
M2	4	PLATES			SQ-2
M2	4	FL3/8"X10"	0'-10"	38	A36
		TOTAL WEIGHT THIS DRAWING		38	

REV	DESCRIPTION	DATE

DESCRIPTION	PLATE		
PROJECT NAME	990-1026 Rossville Ave		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	07/22/2021		M2

Tekla Structures



4 - PLATES - M3

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
M3	4	PLATES			SQ-2
M3	4	FL3/8"X12"	1'-0"	60	A36
		TOTAL WEIGHT THIS DRAWING		60	

REV	DESCRIPTION	DATE

DESCRIPTION	PLATE		
PROJECT NAME	990-1026 Rossville Ave		
DRAWN BY		JOB No.	DRG No.
DATE DRAWN	07/22/2021		M3

Tekla Structures