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April 3, 2020

Mr. Justin Starr
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7014

Re: Consolidated Edison Company of New York, Inc.
Former Woodworth Avenue Works
Yonkers, New York
Site Characterization Report

Dear Mr. Starr:

Consolidated Edison is submitting for your review and approval the Site Characterization Report (SCR) for the Former Woodworth Avenue Works (the Site) in Yonkers, New York.

If you have any questions or require additional information, please feel free to contact me at (718) 204-4331 or by e-mail at abtM@coned.com.

Sincerely,

Melissa Abt, P.G.
Project Manager
EH&S, Remediation
Con Edison

cc. K. Kaiser, Con Edison

Enc.

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WOODWORTH AVENUE WORKS FORMER MGP SITE
YONKERS, NEW YORK
SITE CHARACTERIZATION REPORT
(NYSDEC ORDER INDEX NO. CO0-20180516-519, SITE NO. 360164)



CONSOLIDATED EDISON CO. OF NEW YORK, INC.
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Long Island City, NY 11105

Prepared by:

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April 2020

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Abbreviations and Acronyms

ADT	Aquifer Drilling and Testing, Inc.
AOC	Area of Concern
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
AWQSGVs	Ambient Water Quality Standards and Guidance Values
BCP	Brownfield Cleanup Program
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CAMP	Community Air-Monitoring Plan
CBS	Chemical Bulk Storage
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
Con Edison	Consolidated Edison Company of New York, Inc.
COC	Compounds of Concern
CSM	Conceptual Site Model
DER	Division of Environmental Remediation
DNAPL	Dense Non-Aqueous Phase Liquid
DO	Dissolved Oxygen
DOT	Department of Transportation
DRO	Diesel Range Organics
DUSR	Data Usability Summary Report
EDR	Environmental Data Resources, Inc.
EPA	United States Environmental Protection Agency
FEMA	Federal Emergency Management Agency
GEI	GEI Consultants, Inc.
GPR	Ground Penetrating Radar
GRO	Gasoline Range Oranics
HASP	Health and Safety Plan
IDW	Investigation-Derived Waste
LQG	Large Quantity Generator
LTANKS	Leaking Storage Tank Incident Reports
MGP	Manufactured Gas Plant
MOSF	Major Oil Storage Facilities
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NAPL	Non Aqueous Phase Liquids
NFRAP	No Further Remedial Action Planned
NYCRR	State of New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation

Abbreviations and Acronyms (cont.)

NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
NYVCP	New York State Voluntary Cleanup Program
ORP	oxidation/reduction potential
PAH	Polycyclic Aromatic Hydrocarbon
PID	Photoionization Detector
PPE	Personal Protection Equipment
PVC	Polyvinyl chloride
QA/QC	Quality Assurance/Quality Control
QHHEA	Qualitative Human Health Exposure Assessment
RCRIS	Resource Conservation and Recovery Act Information System
RETEC	The RETEC Group
SB	Soil Boring
SC	Site Characterization
SCG	Standards, Criteria and Guidance Values
SCO	Soil Cleanup Objectives
SCWP	Site Characterization Work Plan
SHWS	State Hazardous Waste Sites
SSCWP	Supplemental Site Characterization Work Plan
SQG	Small Quantity Generator
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TP	Test Pits
USC	Utility Survey Corporation
USCS	Unified Soil Classification System
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound
MEASUREMENTS	
ft-bgs	Feet Below Ground Surface
ft-msl	Feet above mean sea level
mg/kg	Milligrams Per Kilogram
mg/L	Milligrams Per Liter
mL	milliliters
ppb	Parts Per Billion
ppm	Parts Per Million
µg/L	Micrograms Per Liter

Executive Summary

Consolidated Edison Company of New York, Inc. (Con Edison) contracted with GEI Consultants, Inc., P.C. (GEI) to conduct a Site Characterization (SC) for the former Woodworth Avenue Works Manufactured Gas Plant Site (herein referred to as the "Site") in, Yonkers, New York. The Site is bounded by Woodworth Avenue to the east, Alexander Street to the west, Ashburton Avenue to the south, and Babcock Place to the north. Work at the Site is conducted under Administrative Order on Consent (AOC) Index No. CO0-20180516-519, Site No. 360164, signed July 25, 2018 between Con Edison and the New York State Department of Environmental Conservation (NYSDEC). Work at the Site prior to 2017 was conducted under a Voluntary Cleanup Agreement (Index No. D2-0003-02-08) until the Voluntary Program ended on March 31, 2018.

The SC was conducted between March and July 2019 in accordance with the NYSDEC-approved work plan titled, *Site Characterization Work Plan, Former Woodworth Avenue Works Site (Site No. V00564),* ARCADIS January 2009 (SCWP) and supplemental work plan letter titled, *Supplemental Site Characterization Work Plan,* dated May 15, 2019 by GEI (SSCWP). Soil vapor sampling was conducted in accordance with the *Supplemental Soil Vapor Sampling Work Plan (SSVSWP)*, dated June 18, 2019 by GEI and approved by NYSDEC with modifications on June 18, 2019. The purpose of the SC was to collect sufficient data to evaluate the presence or absence of chemical compounds within the Site's soil vapor, subsurface soils, and groundwater that may be associated with the manufactured gas plant (MGP) formerly located at the Site and to provide information as to whether potential pathways of MGP-related contaminants exist through which human health or the environment could be exposed. The SC was also designed to evaluate the location of potential MGP source areas that were identified in a history report titled, *Historical Investigation Report- Former Yonkers-Woodworth Avenue MGP Site (Site #V00564)*, The RETEC Group, Inc., January 2003 (2003 History Report).

The Site encompasses an area of approximately 4.3 acres which was formerly an MGP consisting of retorts, coke, and coal storage sheds, two 263,000 cubic foot gas holders, one subsurface gasholder/ tar tank of unspecified size, six above ground crude oil storage tanks of varying sizes, engine room, pump room, meter room, two purifying houses, a drying house, tar barrel area, lard oil tank, coal pile, and oil house. A dock was also situated to the west of the former MGP when the Hudson River abutted the western side of the MGP before the area was filled in 1898.

Commercial buildings currently on the eastern portion of the Site consist of a former paint shop and existing machine shop (located within the former MGP building), a former auto repair

shop, and a former filling station on the southeast corner of the Site. The southwestern portion of the site was developed to include an area of motor oil storage from the 1950s to the 1970s and is now used as a bus turnaround. Metro-North commuter railroad tracks and substation bisect the central portion of the Site. The western portion of the Site is currently used by Greyston Bakery. Properties to the south, and to the west along the Hudson River are currently being developed into residential apartment buildings.

The majority of the surface area of the Site (approximately 90%) is developed and covered by buildings and asphalt surfaces; therefore, exposure to potential subsurface contaminants is limited. The eastern portion of the Site is located approximately 25 feet above mean sea level (ft-msl) on a hillside sloping downward toward the Hudson River, to the west. The western portion of the Site is approximately 5 feet above sea level and continues to gradually slope down toward the Hudson River. Surface water and groundwater flow is toward the Hudson River.

The SC included the excavation of 5 test pits completion of 31 soil borings, installation of 13 monitoring wells, the completion of a soil vapor investigation, groundwater sampling and the collection of subsurface soil samples to assess potential source areas for impacts. The soil vapor investigation consisted of the collection and analysis of nine soil vapor samples and one ambient outdoor air sample. A total of 98 soil samples and 11 groundwater samples were collected for laboratory analysis during the SC. Associated Quality Assurance/Quality Control (QA/QC) sampling requirements were incorporated into all the sampling events.

The SC identified the presence of three former gas holder foundations at the Site. The bottoms of the holder foundations all appear to be built on or very close to bedrock surface. Gas Holder No. 1 is approximately 80-feet in diameter with a bottom depth of approximately 22.5 ft-bgs. Gas Holder No. 3 is approximately 70-feet in diameter with a concrete bottom at a depth of approximately 17 ft-bgs. The MGP's southernmost gas holder, Holder No. 2, was approximately 50-feet in diameter with a brick bottom at a depth of approximately 19-feet. Based on the 1917 Sanborn map, Holder No. 2 was later converted into a tar tank. An uncovered section of the wall of the gas holder was constructed of concrete. The remaining subsurface elements of the Gas Holder No. 2/tar tank foundation are considered to be intact due to the presence of tar within the holder. No other former MGP-related structures were uncovered during the SC.

The soil vapor investigation identified volatile organic compounds (VOCs) present in soil vapor at levels consistent with background ambient air collected during the field investigation with the exception of several chlorinated VOCs which are present at elevated concentrations in 2 samples. Chlorinated VOCs are not associated with the former MGP operations.

MGP tar was observed between 8.5 to 19 ft-bgs in SB-108 which was advanced within Holder No. 2. Lenses of non-aqueous phase liquid (NAPL) saturated and coated soils were observed at 18.5-19 ft-bgs directly west of Holder No. 2/tar tank. NAPL coated soil was also observed in five downgradient borings on the western portion of the Site (west of the train tracks) at varying depths ranging from 10 to 88 ft-bgs. NAPL coated lenses were observed in multiple borings at depths ranging from 3.5 to 20 ft-bgs on the central portion of the Site west of the train tracks and downgradient of the former gas holders and purifying houses. Although NAPL was not observed in Holder No. 1 and Holder No. 3, Polycyclic Aromatic Hydrocarbon (PAH) concentrations exceeding the Industrial Site Cleanup Objectives (SCOs) were detected in soil borings adjacent to former holder locations near the depth of the inferred bottoms.

Petroleum-impacted soil was found in the borings drilled downgradient of the MGPs former crude oil storage tank and tar barrel storage areas, as well as in the former area of the MGP's retorts and generators.

A total of 13 monitoring wells were installed on the Site at depths ranging from 16 to 32 ft-bgs. Groundwater elevations range from 24.83 ft-msl (10.48 ft-bgs) in MW-101 located on the northeastern corner of the Site to 2.91 ft-msl (3.40 ft-bgs) in MW-109 located on the southwest corner of the Site. Three groundwater monitoring wells were not sampled during field investigations due to the presence of LNAPL or DNAPL within the wells. LNAPL was observed at MW-102, MW-103, and MW-108 at trace levels (0.01 feet). DNAPL thicknesses ranges from 0.1 feet in MW-104 to 9.80 feet in MW-107. The analytical data collected from the groundwater monitoring wells indicates that there was one or more exceedance of the NYS AWQS in all the monitoring wells sampled.

Based on the findings of the SC, MGP related impacts are present at the Woodworth Avenue Works former MGP Site and there are limited data gaps that require further investigation. A Remedial Investigation would provide more information to:

- Evaluate whether there are impacts present to the east of Woodworth Ave,
- Delineate impacts to the south of Holder 2 towards Ashburton Ave and potential NAPL migration from Holder 2,
- Evaluate whether the 48-inch diameter brick sewer along Ashburton Avenue acts as preferential migration pathway for MGP impacts,
- Assess what impact any potential preferential migration pathway from the 48-inch brick sewer would have on the Hudson River, and
- Evaluate potential remedial actions.

In addition, the development and implementation of an Interim Site Management Plan and Excavation Work Plan would be utilized to mitigate potential exposure to utility and/or construction workers.

1. Introduction

This report presents the results of the Site Characterization (SC) program that was conducted by GEI Consultants, Inc., P.C. (GEI) on behalf of Consolidated Edison Company of New York, Inc. (Con Edison) pursuant to New York State Department of Environmental Conservation (NYSDEC) Administrative Order on Consent (AOC) Index No. CO0-20180516-519, Site No. 360164 for the former manufactured gas plant (MGP) site located at 104 Alexander Street and 119 Woodworth Avenue in the Yonkers, New York (herein referred to as the "Site"). Work at the Site prior to 2017 was conducted under a Voluntary Cleanup Agreement (Index No. D2-0003-02-08) until the Voluntary Program ended on March 31, 2018.

The Site includes a total of seven tax parcels and is currently occupied by Greyston Bakery, a commercial bakery (104 Alexander Street), Pollack Paint (119 Woodworth Avenue), former Stevens Paint and a machine shop which occupies the former MGP building (117 Woodworth Avenue), and a three-bay garage occupied by A&D Carting (95 Woodworth Avenue). Figure 1 shows the general location of the Site and Figure 2 shows the current and historic layout of the Site and SC sampling locations.

GEI performed the SC field program from March through July 2019, in accordance with the revised January 2009 *Site Characterization Work Plan, Former Woodworth Avenue Works (Site No. V00564), Yonkers, New York* prepared by ARCADIS (SCWP), and the May 2019 *Supplemental Site Characterization Work Plan* prepared by GEI (SSCWP). The SCWP included all revisions and modifications specified in the NYSDEC's December 27, 2007 conditional approval letter of the Site's draft SCWP (ARCADIS, November 8, 2007). Copies of the NYSDEC approval letters are included in Appendix A.

1.1 Program Objectives

The objective of the SC program was to collect data to evaluate the presence or absence of MGP-related contaminants within the Site's soil vapor, subsurface soil, and groundwater. The SC work was also intended to also provide information on whether potential pathways exist at the Site through which people, flora, or fauna could be exposed to MGP-related contaminants.

The NYSDEC-approved SCWP and SSCWP presents the methods and procedures executed to achieve these SC program goals. The SCWP and SSCWP is consistent with NYSDEC's *Division of Environmental Remediation (DER)-10 Technical Guidance for Site Characterization and Remedial Investigation*, dated May 3, 2010.

1.2 Report Organization

This report is organized into the following seven sections:

- Section 1 - Introduction
- Section 2 presents a summary of the Site background, including the Site's physical setting, its past and present property ownership, and the operational history of the Site's former MGP, and environmental records reviewed for the Site and surrounding properties.
- Section 3 includes a discussion of the scope and methods used to collect, analyze, and present the SC data.
- Section 4 addresses the geologic and hydrogeologic characteristics of the Site and presents an interpretation of the nature and extent of Site's contaminant impacts by medium.
- Section 5 presents a Qualitative Human Health Exposure Assessment (QHHEA) for the Site.
- Section 6 includes an overall conceptual model of the Site's environmental conditions.
- Section 7 presents summary of findings and associated conclusions from the SC.

2. Site Setting and Background

The Site background information presented below has been summarized from the January 2003 *Historical Investigation Report-Former Yonkers-Woodworth Avenue MGP Site (Site #V00564)* prepared by RETEC Group Inc. (RETEC) (2003 History Report).

2.1 Site Description

The Woodworth Avenue Works former MGP Site is located on the west side of Woodworth Avenue between Babcock Place to the north, Alexander Street to the west, and Ashburton Avenue to the south in the City of Yonkers, Westchester County, New York. The general location of the Site is illustrated in Figure 1, and the Site's historic MGP layout is shown in Figure 2.

The former MGP occupied approximately 4.3 acres of land. The Metro-North Commuter Railroad runs north-south, bisecting the Site into its western and eastern portions. The Site is comprised of three blocks and seven lots, designated by the City of Yonkers Assessor's Office as follows:

Tax Block/Lot	Land Use	Current Tenants	Current Property Owner
Block 2618, Lot 1	Industrial	Greyston Bakery	104 Ashburton Avenue, LLC
Block 2618, Lot 2	Bus turnaround	Vacant	Yonkers CDA
Block 2618, Lot 200	Vacant	Vacant	State of New York
Block 7000, Lot 1	Railroad	Metro-North Railroad	MTA Metro-North
Block 2100, Lot 1	Industrial	Pollack Paint Inc.	Insl-X Products Corp.
Block 2100, Lot 4	Industrial	Steven's Paints	Stevens Paint Corp.
Block 2100, Lot 10	Industrial	A&D Carting Inc.	Stevens Paint Corp.

There are five buildings currently present on the Site. Three of the Site buildings are located east of the railroad with their frontage along Woodworth Avenue. From north to south, the buildings are as follows:

- 119 Woodworth Avenue (Block 2100, Lot 1) – a one-story industrial/commercial storage building with three loading docks;
- 117 Woodworth Avenue (Block 2100, Lot 4) – a three-story industrial/commercial building (former MGP structure) occupied by Steven's Paints Corp.; and,
- 952 Woodworth Avenue (Block 2100, Lot 10) – a one-story industrial/commercial garage with three bays occupied by A&D Carting.

The remaining two buildings are located on the western portion of the Site. From east to west the buildings are as follows:

- Ashburton Avenue (Block 7000, Lot 1) – a one-story storage/electrical building used as a substation by Metro-North Railroad; and
- 104 Alexander Street (Block 2618, Lot 1) – a three-story commercial building occupied by Greyston Bakery.

The Site slopes down to the west toward the Hudson River. Based on topographic data, the elevation at the Site along Woodworth Avenue is approximately 25 feet above mean sea level (ft-msl) and is approximately 5 ft-msl along Alexander Street. Several mature trees are present along the Metro-North railroad to the east and west. A retaining wall is present between the A&D Carting property and the Metro-North Railway.

2.2 Site Ownership and Operational History

As indicated in the 2003 History Report, the history of the Woodworth Avenue Works former MGP site was compiled from the following resources: chain-of-title searches; available historical Sanborn® Maps provided by Environmental Data Resources, Inc. (EDR); *Brown's Directory of American Gas Companies* (Brown's Directory); Public Service Commission (PSC) reports, internet searches; and Archive Reports of the New York Public Service Commission at the New York State Museum in Albany. An excerpt of the 2003 History Report and select historical site figures and supporting research documentation is included in Appendix B.

2.2.1 Site Ownership History

The ownership history of the Woodworth Avenue Works former MGP Site was compiled from Brown's Directories, PSC reports, Sanborn Maps, and a chain-of-title search. Below is a summary of the ownership history based on research conducted and summarized in the 2003 History Report.

PSC Reports indicate that the Yonkers Gas Light Company was incorporated in 1854 and owned property on the eastern portion of the Site (Block 2100, Lot 10) in 1854. In 1900, the Yonkers Gas Light Company merged into the Westchester Lighting Company and by 1905, the Westchester Lighting Company was acquired by the Consolidated Gas Company of New York, the predecessor company to Con Edison.

Following the cessation of the MGP in 1928, the Westchester Lighting Company continued to operate at the Site until selling the eastern portion of the site to a private owner in February 1946 and the western portion of the site to a different private owner in April 1946. Since 1946, the property has been used for commercial/industrial purposes. The railroad property bisecting the Site (Block 7000, Lot 1) is owned by Metro-North Hudson Division and contains some

property that was historically owned and used by the former MGP. A table detailing the history of Site ownership is included below.

Site Ownership History

Utility Ownership History		
Date	Owner(s)	Parcels Included in Sale
11/18/1854	Yonkers Gas Light Company	Block 2100, Lot 10
7/21/1861	Yonkers Gas Light Company	Block 2168, Lots 1 and 2
3/1/1872	Yonkers Gas Light Company	Block 2100 Lots 1 and 4
7/1/1872	Yonkers Gas Light Company	Block 2100, Lot 200
1900	Yonkers Gas Light Company Merges with Westchester Lighting Company	Block 2100, Lots 1, 4 and 10; Block 2168 Lots 1, 2, and 200
7/12/1904	New York and Westchester Lighting Company	Block 2100, Lots 1, 4 and 10; Block 2168 Lots 1, 2, and 200
10/20/1904	Westchester Lighting Company merger with New York and Westchester Lighting Company	Block 2100, Lots 1, 4 and 10; Block 2168 Lots 1, 2, and 200
Current Site Ownership		
Date	Owner(s)	Parcels Included in Sale
8/16/1965	Stevens Paint Corp.	Block 2100 Lot 4
12/3/1981	Insl-X Products Corporation	Block 2100 Lot 1
6/28/1983	NYSDOT	Block 2100, Lot 200
5/8/1985	The Port Authority of NY and NJ	Block 2168, Lot 2
2/14/1986	Stevens Paint Corp.	Block 2100 Lot 10
12/27/2001	104 Ashburton Avenue LLC	Block 2168, Lot 1

2.2.2 Site Operational History

The Woodworth Avenue Works was incorporated in 1854 by the Yonkers Gas Light Company on the eastern portion of the Site. The Yonkers Gas Light Company continued to expand and subsequently purchased the western portion of the site (currently identified as Block 2618, Lots 1,2, and 200) in 1861. The 1868 Beers Atlas map shows the location of the MGP which consisted of four buildings and one gas holder all located on the eastern portion of the property.

By 1886, the MGP expanded onto the western portion of the Site. At this time, the eastern portion of the property consisted of two gas holders, retorts, coal and coke sheds, an engine room, a pump room, valve meter room, tool house, office and superintendents dwelling. Both gas holders were constructed as sheet iron structures with below-grade foundations. The western portion of the property consisted of a purifying house, drying house, oil tank, and a tar barrel storage area. Deeds reviewed in the History Report show that the western property lines of the Site extended into the Hudson River. A pier is shown on the southwest corner of the Site

based on the 1886 Sanborn map. The 1887 Brown's Directory listed Yonkers Gas Light Company as using the Lowe's carbureted water-gas process for manufacturing gas at the Site.

A June 1888 drawing prepared by the City of Yonkers for the Ashburton Avenue Sewer shows a dock with a slip extending west from the original MGP shoreline over the Hudson River. By 1898, the area west of the Site where the dock was located was filled and the River is shown approximately 400 feet to the west. An additional gas holder has been built between the two existing gas holders. Multiple new storage buildings and sheds have been erected on the eastern and western portions of the Site. The retorts have been replaced by generators, suggesting coal gas was no longer produced. On the western side of the railroad tracks, the purifying house has been expanded and two storage buildings are shown to the south along with a lard oil tank. By 1917 the MGP contained:

- Two 263,000 cubic foot gasometers (Holder No. 1 and 3)
- One subsurface tar tank (formerly Holder No. 2)
- Purifying house
- Several Sheds
- Three crude oil tanks
- Three oil tanks
- Generators
- An oil house
- Coal pile

Gas Holder No. 1 was a single lift iron holder which was built with a subsurface brick water-seal tank. The bottom of the tank was constructed underground approximately 20 feet below ground surface (ft-bgs) above the top of bedrock and was 80-feet in diameter. Gas Holder No. 2, which later was used as a subsurface tar tank, was roughly 50-feet in diameter and had a roof that was at ground level and Holder No. 3 was 30-feet high and 70-feet in diameter.

The MGP was dismantled in 1930, with the demolition of remaining structures in 1931. 1940 aerial photographs and 1942 Sanborn Maps confirm that most of the above ground portions of the plant were removed by that time. However, the two buildings on the northeast corner of the Site along Woodworth Avenue remained.

2.3 Current Site Usage

The Woodworth Avenue Works former MGP Site and is zoned Industrial. Five buildings are located on the Site and are currently utilized as follows: 119 Woodworth Avenue is a commercial storage building; 117 Woodworth Avenue is operated by Stevens Paint and is used as a commercial storage building; and 94 Woodworth Avenue is operated by A&D Carting and has an on-site garage with three bays but does not operate as an active automotive shop.

On the western portion of the site located at 7 Ashburton Avenue is a Metro-North Railroad storage/ operations facility. Additionally, on the western portion of the site located at 104 Alexander Street is Greyston Bakery.

2.4 Surrounding Property Use

The Woodworth Ave Works former MGP Site is located within an industrial, commercial, storage and light manufacturing area that includes residences to the northeast and east. There has been a significant amount of property development in the vicinity of the Site. To the south-southeast of the Site are newly erected residential/commercial apartment buildings. To the west and northwest are more newly erected residential/ commercial apartment buildings along the Hudson River as well as a New York/ New Jersey transit system bus parking terminal. There are commercial/industrial buildings and warehouses to the north along Babcock Avenue. To the south east of the Site along Ashburton street are commercial/government buildings including Yonkers Family Court Building.

Some residences are located upgradient of the Site on the opposite side of Woodworth Avenue and further east on Warburton Avenue. Until recently, the use of the surrounding properties appeared to have remained relatively consistent over the course of the past 100 years, based on review of historic Sanborn® Maps and aerial photographs. Sanborn® Maps show industrial and commercial businesses historically located in the Site vicinity.

2.4.1 Physical Setting

Topography at the Site is moderately sloped from east to west towards the Hudson River. The approximate elevation near the western portion of the Site along Woodworth Avenue is approximately 25 ft-msl. The elevation approaches about 5 ft-msl near the western end of Ashburton Avenue at the intersection of Alexander Street. East of the Site, the land surface elevation rises sharply, increasing approximately 230 feet within one-half mile.

A 20-foot-tall retaining wall is located on the south-central portion on the eastern parcel of the Site, between the former gas works location and the Metro-North Railway. This retaining wall was constructed before 1917 due to the steep grade in this area of the Site. The A&D Carting garage now sits to the east of the retaining wall on top of the ground backing the retaining wall.

Based on surface topography, stormwater runoff at the Site and in the immediate area appears to drain towards Ashburton Avenue from the eastern parcel and ultimately westward towards the Hudson River, which is located approximately 400 feet of the Site. Storm drains are located along Woodworth Avenue, Ashburton Avenue, Babcock Place and Alexander Street in the vicinity of the Site.

The Site and surrounding properties are serviced by the United Water Company (potable water) and Con Edison (gas and electric).

2.4.2 Regional Hydrologic Setting

A preliminary groundwater use survey was reviewed within the 2003 History Report to identify potential receptors and to determine if the aquifer beneath and downgradient of the Site is used for public purposes. Information on public water supply wells (residential and industrial) within a 1-mile radius of the Site was obtained from multiple sources. An electronic database records search from EDR, which included information from the United States Geological Survey (USGS), Federal Reporting Data System Public Water Supply System, and the New York State Database, was completed by RETEC during their initial site investigation.

The search results indicate that twelve wells, are located within the one-mile search radius of the Site. None of the wells identified were located within a quarter mile radius of the site. Two wells were located within one-half mile of the site, which were installed to withdraw water for industrial purposes. One of those wells is not currently used. Another well, located three-quarters of a mile to the south of the site is an active public supply well (NY0006622). The rest of the wells identified are between one-half and one mile from the site. Each of these wells was installed to withdraw water for industrial purposes and five of them are no longer in use. The EDR database map showing the well locations was not included within the History Report.

According to the History Report, one well was drilled in the vicinity of the Woodworth Avenue Former MGP and was documented in *The Ground Water Resources of Westchester County* (Asselstine and Grossman, 1955). This well was located one-quarter mile south of the Site and was drilled in 1942 into bedrock at the Otis Elevator Company property. The well was drilled to a total depth of 305 ft-bgs and the stratigraphy is described as follows:

- 0-55 feet- Clean, fine sand;
- 55-160 feet, Limestone;
- 160-170 feet, pink feldspar; and
- 170-305 feet, limestone.

Depth to groundwater at the Site ranges from 2.91 ft-msl (3.40 ft-bgs) to 24.83 ft-msl (10.48 ft-bgs) based on gauging measurements collected during high tide on 7/25/2019 during the SC groundwater sampling event. Based on the groundwater elevation data across the Site, the groundwater flow direction is to the west, toward the Hudson River.

The Site is located within approximately 400 feet of the east bank of the Hudson River. The Hudson River has been classified as Class I Saline Surface Water by the NYSDEC. Class I waters are suitable for secondary contact recreation and fishing and are suitable for fish propagation and survival.

The regional topography and the Hudson River are most likely the primary controlling influences on groundwater depth and flow direction at and around the Site. Groundwater in the vicinity of the site is tidally influenced, further discussed in Section 4.1.2. In addition, the majority of man-made land located west, and northwest of the Site is within a Federal Emergency Management Agency (FEMA)-designated 100-year flood zone. The eastern half of the site is designated within FEMA's zone X which is designated as areas determined to be outside of the 0.2% annual chance floodplain.

2.4.3 Regional Geologic Setting

A preliminary understanding of the geology of the Site area was compiled from geologic maps of the Lower Hudson Valley (Caldwell, 1989; Fisher, et.al., 1970). The Site is mapped as being underlain by till glacial deposits that are characteristically variable in texture and poorly sorted, well-rounded to angular lithologies. The site is located in the Manhattan Prong, which is a geologic sub-province of the New England Upland Physiographic region of New York that encompasses Westchester County. The bedrock at the Site is the Fordham Gneiss of the Upper Proterozoic Age. This gneiss is a metamorphic rock comprised of garnet, biotite, quartz, and plagioclase. Bedrock geology maps of the Lower Hudson Valley show a boundary between the Fordham Gneiss and the Inwood Marble trending along the southwestern border of the Site (Fisher, et al. 1970). This map is presented in Appendix B. Although not shown on the map, Manhattan Schist was referenced on boring logs completed as part of the investigation work on the adjacent former Polychrome West (Research and Development laboratory) Site (BCP Site ID C360099).

2.5 Potential Receptors

A preliminary survey of potential receptors was included within the 2003 History Report to identify public and environmental receptors within a 0.25-mile radius of the Site. Information pertaining to potential receptors was taken from Site reconnaissance observations, as well as from several electronic database searches. Information reviewed included the identification of public receptors (e.g., day care centers, medical centers, nursing homes, schools, hospitals, arenas, and prisons) and environmental receptors (e.g., federal land, threatened or endangered species, wetlands, and water wells).

2.5.1 Public Receptors

As discussed above, the Site is located within an industrial/commercial area with residential properties located upgradient. The overall demographics of the Site and immediately surrounding area are unknown and were not discernable during the 2003 site reconnaissance or 2019 field program. A number of schools are located within 1/8 and ½ mile upgradient or cross-gradient of the Site. Based on the on-site building usage and the Site setting, it is possible that children and/or the elderly reside or visit the on-site and/or adjacent buildings. These populations represent particularly sensitive public receptors.

Pedestrian traffic in the vicinity of the Site is moderate due to a number of area services. The Ashburton Avenue corridor south of the Site and the Woodworth Avenue would be the most frequented. Additionally, Warburton Avenue further upgradient to the east would be highly frequented by pedestrian traffic. An Amtrak/Metro North commuter station is located roughly one block south of the Site, and a moderately sized commuter and municipal lot is located within 1/8 mile of the Site.

In addition, the waterfront development plan for the area includes the continuation of residential and commercial development along the riverfront and includes the addition of community services and facilities within the area. Two Brownfield Cleanup Program (BCP) sites, the former Polychrome East Site (BCP Site ID C360098) and the former Polychrome West (Research and Development laboratory) Site (BCP Site ID C360099) are located adjacent to the Site. Both sites were recently remediated under the BCP and are currently being redeveloped as multi-story residential apartment complexes.

2.5.2 Environmental Receptors

Environmental receptors near the Site include the Hudson River and its shoreline. The Hudson River is located downgradient and within approximately 400 feet of the Site. The eastern shoreline of the River is within this area is listed on the United States Fish and Wildlife Service's National Wetland Inventory.

An EDR search identified two water supply wells within a one-half-mile radius, south and side-gradient of the Site. The first well, identified as a USGS-NY #WE 16, is listed as a USGS monitoring well having a depth of 305 feet. This well is screened in bedrock.

The second well, identified as NYSDEC Well #WE6277, is listed as having a depth of 1,500 feet. This well is screened in bedrock and has been identified as a geothermal well.

The EDR search identified NY0006622 as an active public supply well located approximately ¾ of a mile south of the site, which is considered side gradient. However, it appears that this well may be mapped incorrectly as it has an address associated with it of 15 Satmar Drive, Monroe, NY. The New York State Department of Health was contacted and does not have a record for this well. The EDR report is provided as Appendix C.

2.6 Environmental Records Review

An environmental records search for the Site was initially completed by EDR and included in the 2003 History Report. An updated EDR was completed for the Site as part of this SC. The updated EDR information was utilized to update the original information provided in the 2003 History Report and is summarized in this section. EDR searched available environmental government database records and completed a report to meet the requirements of American

Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, E 1527-05. EDR reviewed standard federal and state environmental sources for the minimum search distances required by E 1527. Below is a summary of the results of the records search (excerpted from 2003 History Report and the 2020 EDR Report).

2.6.1 Site Findings

The Yonkers Gas Light Company, listed at Woodworth Avenue, was listed in the EDR proprietary database of former manufactured gas plant sites. The Westchester Gas Light Company on Nepperhan Avenue was also listed in the EDR proprietary database of former manufactured gas plant sites located at equal or higher elevation within one mile of the target property. On the Con-Edison website the Nepperhan Avenue MGP is listed as closed and no further action is required by DEC.

2.6.2 Surrounding Property Findings

The Federal Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) contains data on potentially hazardous waste sites that have been reported to the U.S. Environmental Protection Agency (EPA) by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS sites designated No Further Remedial Action Planned (NFRAP) are sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the National Priority List (NPL), or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. The CERCLIS-NFRAP database indicates one site located at equal or higher elevation within and one site located at lower elevation within a 0.125- mile radius from the target property.

The Federal Resource Conservation and Recovery Act Information System (RCRIS) database includes selected information on sites that generate, store, treat or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA. The EDR review of the RCRIS-TSD list dated December 16, 2019, identified one treatment, storage, or disposal site located within approximately 0.125-mile from the target property at a lower elevation. The EDR review of the RCRIS- large quantity generator (LQG) list dated December 16, 2019, identified three LQG sites located within 0.125- mile from the target property at an equal or higher elevation and one site located within 0.125-mile from the target property at a lower elevation. The EDR review of the RCRIS Small Quantity Generator (SQG) list dated December 16, 2019 identified one SQG site located at a lower elevation within 0.125-mile. One very small quantity generator (VSQG) site located within 0.125-mile from the target property at an equal or higher elevation, and one VSQG located within 0.125 miles from the target property at a lower elevation.

The State Hazardous Waste Sites (SHWS) records are the states' equivalent to the CERCLIS. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data came from the Department of Environmental Conservation's Inactive Hazardous Waste Disposal Sites in New York State. EDR's review of the SHWS list revealed that there is one SHWS site located at an equal or higher elevation within approximately 0.5-mile of the target property and one SWF/LF (Solid Waste Facilities/ landfill Sites), at equal or higher elevation.

The State Leaking Storage Tank Incident Reports (LTANKS) database includes an inventory of reported leaking storage tank incidents reported from April 1, 1986 through the most recent update. A review of the LTANKS lists dated November 11, 2019, as provided by EDR, revealed that there are 61 LTANK sites at equal or higher elevation within approximately 0.5-mile of the target property. Two of these sites are located within approximately 0.125- mile of the target property, with one of them either on or immediately adjacent to and upgradient of the Woodworth Avenue former MGP site. These include Pollack Paint located on the site (119 Woodworth Avenue) and former Scott Station (178 Warburton Avenue) located immediately upgradient. Note that the addresses for the upgradient sites are indicated in the EDR database as Alexander Street, however, they are all shown located on the EDR map along Babcock Place to the north of the former MGP site. There are also eight LTANK sites at a lower elevation within approximately 0.5-mile of the target property. One of these sites is located immediately adjacent to the former MGP site to the west. These leaks at these properties included unidentified material, #2 fuel oil, #4 fuel oil, and diesel fuel. In some cases, contaminated soil was left in place.

The State Underground Storage Tank (UST) database contains registered USTs. The data comes from the Department of Environmental Conservation's Petroleum Bulk Storage Database. EDR's review of the UST lists dated November 11, 2091, has revealed that there are 17 UST sites at equal or higher elevation within 0.25-mile of the target property. four of the sites are within 0.125-mile of the target property, two of which are on the site (Steven's Paint Corp., 115 Woodworth Avenue, with five UST with unknown product; Proctor Paint & Varnish, 95 Woodworth Avenue, with three USTs storing unleaded gasoline) and three of which are immediately adjacent to the site. There are seven sites at lower elevation from the target property, all of which are immediately downgradient and adjacent to the site.

The State or Local ASTM Supplemental Chemical Bulk Storage (CBS) Database includes registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks (ASTs) with capacities of 185 gallons or greater, and/or in underground tanks of any size. EDR's review of the CBS UST lists dated September 23, 2019 has revealed that Steven's Paint Corp., located on the site at 115 Woodworth Avenue, is a CBS UST site, although the tank is indicated as not

currently in service. Steven's Paint Corp. is also on the CBS AST database, and maintains two ASTs that store xylene. Four additional sites located at equal or lower elevations adjacent to the site are listed on the CBS AST database.

The State Voluntary Cleanup Program (NY VCP) covers virtually any kind of site and contamination. EDR's review of the VCP lists dated November 11, 2019 has revealed that there are four VCP sites at lower elevation. The type of residuals at these sites was not identified in the database.

The State Major Oil Storage Facilities (MOSF) database includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978. EDR's review of the MOSF UST lists dated January 01, 2002 has revealed that there is one MOSF UST sites at a lower elevation located immediately adjacent to the target property. This property operated by A. Tarricone Inc. stores unleaded gasoline, #1, #2, and #4 fuel oil, and diesel fuel. The property is also listed on the NY Spills database and recorded a spill of #2 fuel oil that affected the Hudson River in 1987.

3. Site Characterization Scope and Methods

The SC field investigation was designed to provide a better understanding of potential soil vapor, soil, and groundwater impacts related to historical operations at the Woodworth Avenue Works former MGP site. The type, number, and depth of samples were initially developed based upon a review of historical sources of information, such as Sanborn maps, topographic maps, and aerial photograph information, and on-Site visits conducted by Con Edison and GEI in March of 2019. Accordingly, the sampling program included collection of soil vapor, subsurface soils, and groundwater.

The scope of work for the SC included the following tasks, which are described in more detail in the subsections below:

- Utility and Geophysical Surveys
- Soil Vapor Investigation
- Subsurface Investigation Activities
- Monitoring Well Gauging and Sampling
- Community Air Monitoring
- Investigation Derived Waste Management
- Survey
- Quality Assurance/Quality Control and Data Validation

GEI implemented a site-specific Health and Safety Plan (HASP), a Field Sampling Plan, and a Quality Assurance Project Plan during the SC program. A Community Air Monitoring Plan (CAMP) was also executed during intrusive field activities. These Plans were included as appendices to the SC Work Plan.

GEI conducted the SC field activities from March through July 2019. Photographic documentation of the Site is included in Appendix D. The SC field work was conducted in general accordance with the NYSDEC-approved SC and SSC Work Plans. Due to physical site constraints and conditions encountered prior to and during field investigation work, GEI modified proposed sample locations and/or intrusive sample collection methods (i.e., excavation and drilling techniques), as necessary, to maintain the goals of the SC. Con Edison maintained communications with the NYSDEC and New York State Department of Health (NYSDOH), as appropriate, during the field activities, and representatives of the NYSDEC visited the Site during the field tasks to observe the work.

GEI contracted with the following firms to assist in the implementation of the field work and in the analysis of samples collected as part of the program:

- Utility Survey Corporation (USC) of New Windsor, New York, performed the private utility clearance and geophysical surveys.
- Aquifer Drilling and Testing, Inc, A Cascade Company. (ADT) of Mineola, New York, performed the intrusive utility clearance and drilling work.
- Test America Laboratory (Knoxville), of Knoxville, Tennessee performed laboratory analysis and reporting for all air and soil vapor samples collected and submitted for this program.
- Test America Laboratory (Edison) of Edison, New Jersey performed laboratory analysis and reporting for all soil, water and waste characterization samples collected and submitted for this program.
- TEC Land Surveying of Fishkill, New York performed surveying for all soil boring locations, soil vapor points, and test pit locations on the Site.

GEI implemented the CAMP, maintained field sampling and screening equipment, installed soil vapor points, collected samples for laboratory analysis and provided oversight for the SC work during the field program. In addition, GEI kept dedicated logbooks for the documentation of field activities and observations throughout the SC program.

3.1 Utility and Geophysical Surveys

Underground utilities within the public rights-of-ways (e.g., sidewalks and streets) adjacent to the Site were marked by the New York City One Call Center prior to initiation of intrusive SC field investigation work. ADT contacted the New York City One Call Center and maintained a current utility mark-out ticket as the drilling contractor for the SC field investigation. Con Edison obtained gas and electric plates for the locale.

As a supplement to the public area underground utility mark-outs, GEI contracted USC to perform a private utility survey of the proposed sampling locations within the Site property on March 25 through 26, April 17, and June 17 through 18, 2019. A GEI representative accompanied USC personnel during the mark-out activities to identify the areas of proposed subsurface sampling and to work with USC to identify alternate locations as appropriate.

USC also completed a limited geophysical survey within areas of the former MGP gas holder footprint that are not presently covered by Site buildings or structures. The purpose of the survey was to identify the potential presence of subsurface structures that may have been remnants of the associated gas holder and to aid in identifying potential test pit and soil boring locations.

USC personnel used ground penetrating radar (GPR) and an electro-magnetic pipe, cable and box locator to survey the Site. Specifically, the primary technologies used were a Sensors and Software 250 MHz Noggin GPR Cart System and GSSI 1.6 GHz GPR Handcart; Metrotech 810 and Radiodetection CAT pipe/cable locators were also used.

The results of the survey indicated and/or confirmed the presence of several underground utilities beneath the Site and subsurface debris beneath the ground surface and was conclusive regarding the potential presence of MGP-related substructures in the area. USC used marking paint to designate the results of the survey on the ground surface, and proposed investigation locations were adjusted accordingly.

Subsequent to the public and private utility mark-outs, ADT performed utility clearance activities at each soil boring location proposed in the SCWP using a combination of hand tools and vacuum extraction. The locations were cleared to a minimum five ft-bgs or to refusal (i.e., obstruction), in which case the borehole was shifted, and the new location cleared. Pertinent information associated with the utility clearance excavations is included on the soil boring logs provided in Appendix E.

Once cleared, each location was backfilled with the removed materials. Excess spoils from the clearing activities were containerized in 55-gallon New York State Department of Transportation (NYSDOT)-approved drums for off-site transportation and disposal, as discussed in Section 3.6.

3.2 Soil-Vapor Investigation

GEI completed an investigation to evaluate Site soil vapor. The investigation included the installation and collection of samples from eight subsurface soil vapor points (SV-101 through SV-105 and SV-108 through SV-110), and an outdoor ambient air sample. The soil vapor sample locations are shown in Figure 2 and sample rationale is presented in Table 1. The results of the sampling are presented in Table 2 and discussed in Section 4.2.1 of this report.

The eight soil vapor points and one ambient air location were installed and sampled between April 9, 2019, and July 31, 2019. Soil vapor point SV-107 was not installed on the site during site characterization due to access restrictions at the proposed location and nearby coverage at SV-108. SV-106 was installed and sampled on July 31, 2019. However, SV-106 was not analyzed due to low pressure and insufficient sample when received by the lab. In order to analyze the sample, the lab would have to pressurize the sample canister which could result in higher reporting limits. Due to the uncertainty of the dilution factor and estimated results, the sample was not analyzed.

Each soil vapor and outdoor ambient air samples were collected using certified-clean Summa canisters with 6-liter capacities and in accordance with EPA *Standard Operating Procedure*

No. 2042: Soil Gas Sampling and NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* October 2006. Samples were collected over approximately a two-hour period and were shipped to Test America Knoxville, TN to be analyzed for VOCs analysis via modified EPA method TO-15.

3.3 Subsurface Investigation Activities

This section describes the field methods and sampling procedures used to complete the SC subsurface investigation. All procedures and methods used were in accordance with the approved SCWP and SSCWP submitted to the NYSDEC.

3.3.1 Test Pit Excavations

Five (5) test pits (TP-101 through TP-105) were excavated at the Site between April 1 and April 4, 2019 at the perimeter of the former MGP gas holders, to the north of the 1898 purifying house, and in the vicinity of other major MGP structures. Test pit locations are shown in Figure 2 and test pit logs are included in Appendix E.

ADT excavated TP-101 through TP-105 using a Bobcat E35 excavator. TP-101 was advanced in the area adjacent to Holder 1 to a depth of 7.5 feet. TP-102 was advanced in the area of Holder No. 2/ tar tank to a depth of 8 feet. TP-103 was advanced in the area of Holder 3 to a depth of 7 feet when a hard, concrete bottom was encountered. TP-105 was advanced to the north of the purifying house (Sanborn 1898) to a depth of 1.0 feet where a concrete slab was encountered. Offsetting the test pit by three feet to the east it was advanced to a depth of 3.5 feet where water was encountered. TP-104 was advanced narrowly to a depth of 5 feet in the area of the former retorts and generators, downgradient of Holder 2/tar tank. This test pit was converted to SB-123 due to access restrictions in the area and is labeled as such in Figure 2. Soil boring SB-108 was conducted within the former gas holder area of the test pit TP-102. SB-102 and SB-103 were advanced in the area of TP-101 at Holder 1.

Three soil samples were collected for laboratory analysis from the test pit locations TP-102 and TP-103 in areas of observed visual impacts. Sample -TP-102 (6.5-7) was collected from one and a half feet above the bottom of the test pit excavation from 6.5 to 7 ft-bgs. Samples from TP-103 were collected from the depths of 3 feet, around a broken pipe, and 6.5 feet which was one half foot above the bottom of the test pit. The samples were collected from materials within the excavator bucket using disposable sampling tools.

The samples were sent under chain-of-custody protocol to Test America Edison for analysis. The samples were placed in a cooler with ice and was transported via a laboratory-provided courier. Samples were analyzed for VOCs by EPA Method 8260C, SVOCs by EPA Method 8270D, TAL metals by EPA Method 6000/7000 series and total cyanide by EPA Method 9012B. TP102 (6.5-7) and TP-103 (6.5) were also sampled fingerprint analysis, via EPA

Method 8015B and Diesel Range Organics and Gasoline Range Organics (DRO/GRO) by EPA Method 8015D to evaluate the potential source of the observed impacts. Test pit analytical results are presented in Table 3 and described in Section 4.2.2.

Following collection of field screening and laboratory samples, the test pits were backfilled with the removed soils in reverse order of excavation or extraction. All test pit locations were compacted and tamped at the completion of the backfill. The test pits were capped with concrete or asphalt at the ground surface.

3.3.2 Soil Boring Advancement

Thirty-one (31) soil borings were completed as part of the SC field investigation. Twenty-three (23) soil borings (SB-101 through SB-123) were conducted as prescribed in the SCWP. An additional eight (8) borings (SB-124 through SB-131) were completed as prescribed in the SSCWP based on observations made and conditions encountered during initial soil boring activities. The locations of the borings are shown in Figure 2. The rationale for the borings and sample collection intervals are provided in Table 1.

ADT utilized a Geoprobe® 6620DT direct-push rig to perform the initial round of soil boring activities due to the topography of the Site and access limitations. The Geoprobe® rig was equipped with a 2-inch diameter by 5-foot long Macro-Core tooling outfitted with dedicated and disposable acetate liners for soil sampling. Based on initial soil boring installation, the Geoprobe rig encountered difficulties advancing borings through coarser material. During the supplementary investigation conducted between June 17 and June 27, 2019, ADT utilized a sonic drilling rig to advance borings. The sonic drilling rig utilized 10-foot long dedicated and disposable plastic liners to collect soil samples.

ADT advanced the soil borings to the target depth, or to equipment refusal, whichever was occurred first. A GEI geologist logged the soils in the field and collected PID measurements of VOC vapors, which were typically taken directly from the acetate liners and from headspace samples, where sample volume was sufficient. Soil descriptions, sample collection intervals, relevant drilling information, and VOC field screening measurements are included on the individual boring logs provided in Appendix E.

GEI personnel collected soil and quality control (QA/QC) samples for laboratory analysis as part of the soil boring program. Subsurface samples were placed in a cooler with ice and were transported via a laboratory-provided courier under chain-of-custody protocol to Test America. Samples were analyzed for VOCs by EPA Method 8260C, SVOCs by EPA Method 8270D, TAL metals by EPA Method 6000/7000 series, and total cyanide by EPA Method 9012. Two samples, SB-105 (2.5-3.0) and SB-108 (2.0-2.5), were also analyzed for fingerprint analysis by EPA Method 8015B and DRO/GRO by EPA Method 8015D to evaluate the potential source

of the observed impacts. Soil boring analytical results are presented in Table 3 and described in Section 4.2.2.

Soil spoils, decontamination liquids, disposable sampling supplies, and plastic for the decontamination of drilling equipment were placed in 55-gallon NYSDOT-approved drums for subsequent off-site transportation and disposal, as discussed in Section 3.6.

3.3.3 Monitoring Well Installation

Thirteen monitoring wells (MW-101 through MW-113) were installed and developed during the SC. Each monitoring well was installed in general accordance with procedures described in the SCWP and SSCWP. The monitoring wells were surveyed for location and elevation. Table 4 provides well construction details for all thirteen monitoring wells installed during the SC.

3.4 Monitoring Well Gauging and Sampling

On May 16, July 22 and November 14, 2019 groundwater samples were collected from 10 of the monitoring wells installed during this SC (MW-101 through MW-104, MW-106, and MW-109 through MW-113). Groundwater from three monitoring wells, MW-105, MW-107, and MW-108, were not sampled due to the presence of NAPL. A DNAPL sample was collected from MW-105 for waste disposal. The results of the disposal sample analysis are provided in Appendix F.

3.4.1 Gauging

Groundwater levels were initially gauged at 11 monitoring wells (MW-101 trough MW-105 and MW-107 through MW-111) on May 16, 2019. Groundwater levels were measured in all thirteen wells after the installation of MW-112 and MW-113, on July 24 and 25, 2019 during high and low tides. Tidal stage information was obtained from the National Oceanic and Atmospheric Administration. All groundwater level measurements were collected within one hour of peak high and low tides. Figure 3 presents the groundwater elevation contours during low tide. Figure 4 presents the groundwater elevations during high tide as well as the groundwater analytical summary.

Table 5 provides a summary of groundwater elevations. Groundwater depths were measured from the surveyed top of the polyvinyl chloride (PVC) riser pipe for each monitoring well.

3.4.2 Low Flow Sampling

Low-flow sampling and purging was performed using a peristaltic pump with dedicated tubing. Purging rates varied because of groundwater conditions; however, pumping rates generally

ranged between 190 milliliters (mL) and 215 mL per minute. Regardless of the purge rate, draw-down of the static water level was minimized at all times.
Groundwater purged from each well was monitored for field parameters (temperature, pH, conductivity, dissolved oxygen [DO], oxidation/reduction potential [ORP], and turbidity) to ensure that representative formation water was sampled. Measured flow rates and purge volumes were recorded concurrently with field parameter measurements. Wells were sampled after at least one well volume was purged, and the values of measured field parameters generally stabilized in accordance with the Field Sampling Plan. Table 6 presents the final (stabilized) groundwater field parameter readings and physical observations of the purge water before the sample was collected. Appendix G includes the sampling logs. Table 7 presents groundwater analytical results.

After each well was purged and field parameters stabilized, groundwater samples were collected and placed into lab-prepared containers provided by Test America Laboratories. Groundwater samples were analyzed for VOCs by EPA Method 8260C, SVOCs by EPA Method 8270C, TAL metals by EPA 6000/7000 series, and total cyanide by EPA method 9012B. If a monitoring well location contained suspected LNAPL or DNAPL the monitoring well was not sampled. DNAPL samples collected from MW-105, MW-107, and MW-108 were also analyzed for density, viscosity, and interfacial tension.

3.4.3 NAPL Gauging and Recovery

During the course of SC investigation, NAPL was gauged in Site monitoring wells on May 16, July 24, and November 14, 2019. DNAPL was observed in MW-104, MW-105, MW-107, and MW-108. LNAP was observed in MW-102, MW-103, and MW-108 at trace levels. NAPL gauging data are presented in Table 8 and discussed further in Section 4.2.4. NAPL samples were collected from MW-105, MW-107, and MW-108 and analyzed for fingerprint analysis by EPA Method 8015B. Laboratory data are presented in Appendix H. GEI conducted a NAPL recovery event on June 27, 2019 where NAPL was removed using a Super Sonic Pump©. Results of the NAPL Recovery Event are presented in Table 9 and discussed in Section 4.2.4.

3.5 Community Air Monitoring

Pursuant to NYSDEC and NYSDOH requirements, GEI implemented CAMP at the Site during utility clearance, test pit excavation and borehole drilling. The objective of the CAMP was to provide a measure of protection for the downwind community (i.e., off-site receptors, including residences and businesses and on-site workers not involved with the site activities) from potential airborne contaminant releases as a direct result of SC field investigation activities. GEI implemented the CAMP in general accordance with the SC Work Plan.

Additional air monitoring was implemented for work-zone air quality. Air quality was monitored within the breathing zone (4 to 5 feet above ground level) at each utility clearance,

test pit excavation, and soil boring location during intrusive operations. Details regarding the implemented worker health and safety air-quality monitoring are provided in the HASP included in Appendix E of the SC Work Plan.

Throughout the entire duration of intrusive activities, GEI monitored the CAMP equipment and documented CAMP interferences, exceedances and response measures. Throughout the duration of the SC field activities, no incidences of a CAMP exceedance involving VOCs or particulates were noted. CAMP data are provided in Appendix I.

3.6 Investigation-Derived Waste Management

Eighty-nine (89) drums of investigation-derived wastes (IDW) were generated during the SC field investigation. This drum total includes: sixty-four (64) drums of soil cuttings from intrusive field activities; twenty-one (21) drums of purge water and decontamination liquids generated during field activities; One (1) drum of NAPL from the pumping test; and three (3) drums of solid waste, consisting of disposable sampling equipment and personal protective equipment (e.g., liners, gloves). The NAPL drum was disposed of and hazardous material. Drums were placed on a containment pad, covered with plastic, and secured with fencing at the central portion of the eastern parcel of the Site.

GEI collected a waste profile sample of the soil IDW to characterize the wastes and determine the appropriate disposal options available. The sample was placed in a cooler with ice and submitted to Test America under chain-of-custody protocol for parameters required by a Con Edison-approved disposal facility.

Con Edison contracted Clean Earth to remove the eighty-eight (88) non-hazardous and the one (1) hazardous IDW drums from the Site during three separate events on May 17, 2019, June 26, 2019, and July 25, 2019. The drums were transported to Clean Earth of Kearny New Jersey. A copy of the waste manifests, profile forms, and analytical results are included in Appendix F

3.7 Survey

At the conclusion of the SC field activities, a New York State-licensed land surveyor performed site survey activities for all the boring, test pit, and monitoring well locations on July 22 and 26, 2019. The elevation of each location was determined to ±0.01 foot. All locations and elevations were tied to the New York State Plane Coordinate System and Mean Sea Level. Surveyed well elevations are included in Tables 4 and 5, and surveyed locations for all sampling points are shown in Figure 2.

3.8 Quality Assurance/Quality Control and Data Validation

QA/QC protocols and procedures were implemented during the SC to ensure accuracy, precision, and completeness of chemical data collected during investigation activities. QA/QC samples were collected during the sampling activities in order to evaluate the validity of the sampling, decontamination, and analytical methods used.

QA/QC samples collected during field sampling activities included duplicates, field blanks (equipment rinsates) and trip blanks. Field duplicates consisted of two types: coded "blind" duplicates and matrix spike/matrix spike duplicate (MS/MSD) samples. Coded duplicates were split samples from the same source, analyzed by the laboratory as separate samples, with no indication given to the laboratory that the samples were duplicates. This precaution allowed GEI to verify the laboratory reproducibility of analytical data. MS/MSD samples were identified on the chain-of-custody documents so that the laboratory could perform internal quality checks on instrument performance and laboratory sample handling and preparation. Field blanks (i.e., equipment rinsates) were used to monitor the adequacy of field equipment decontamination procedures that were used to prevent cross-contamination from one sample location to another. Trip blanks were used to monitor possible sources of contamination from sample transport and storage.

Samples submitted to Test America for analytical characterization were evaluated and reported by the laboratory according to EPA Methods 8260B (VOCs), 8270C (SVOCs), 6010/7000 (TAL metals), and 9012 (total cyanide). Test America provided a full data evaluation package in accordance with NYSDEC Electronic Data Deliverables requirements. The analytical results were validated by qualified data validation professionals in accordance with USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, January 2005 and the USEPA Region II SOP for the Validation of Organic Data acquired using SW-846 8260B and 8270C, modified to accommodate the SW-846 methodologies.

Data usability summary reports (DUSRs) were prepared which summarize the validation results, including a discussion of:

- Preservation and Technical Holding Times
- Calibration Verification Results
- Blanks
- Field Duplicates
- Laboratory Fortified Blank Recovery

Copies of the validated Test America Form 1's and DUSRs are provided in Appendix H. Data qualifiers used in the presentation of the analytical results are included with those reports.

4. Site Characterization Findings

This section presents the findings of the SC field investigation. All SC investigation locations are shown in Figure 2 of this Report. SC program boring logs are provided in Appendix E, and a summary showing observed impacts is included in Figure 5. Analytical summary figures are presented in Figure, 6, and 7. Cross-sections of the Site subsurface are presented in Figure 6. Analytical results are summarized in Table 2, Table 3, and Table 7.

Visual and olfactory observations made during the SC field investigation were characterized and recorded according to the terminology and descriptions presented below:

- **Sheen:** Iridescence was observed within a soil sample. Sheens are typically noted in moist to wet soils.
- **Stained:** The soil sample exhibited a discoloration not associated with natural processes. The color of the observed stain was noted and, if the characteristics of the staining material were discernible, they were also noted (i.e., tar-stained or petroleum-stained).
- **Odor:** If an odor was observed, it was described based on its relative intensity and characteristics. Modifier terms such as strong, moderate, and faint or slight were used to describe relative odor intensity. Descriptive terms such as naphthalene-like, solvent-like, or petroleum-like odors were also used if the characteristics of the odor were discernible.
- **Blebs:** Discrete spherical of NAPL in the soil sample matrix that are not visibly coated or saturated.
- **Coated:** The soil grains are coats with NAPL. There is not enough NAPL in the sample to saturate the pore spaces.
- **Saturated:** The entire sample pore space is saturated with NAPL.

As observed, physical evidence of impacts was recorded in the field and are presented on the environmental boring logs included in Appendix E. These observations are also summarized in Figure 5 and in the geologic cross sections A-A′ through E-E′ shown in Figure 6.

4.1 Site Geology and Hydrogeology

The Site-specific geology and hydrogeology are based on regional information described in Section 2.4.3 and field observations made during test pit excavations and soil boring advancement during the SC field investigation work. Five (5) cross sections were developed to illustrate the shallow stratigraphy underlying the Site and are shown in Figure 6. In addition

to encountered geologic conditions, these cross sections depict the physical observations of subsurface impacts on the Woodworth Avenue and Ashburton Avenue properties. The physical observations and distribution of chemical compounds are discussed in Section 4.2.

4.1.1 Site Geology

Subsurface soils were logged in the field and are described according to the Unified Soil Classification System (USCS) as presented on environmental boring logs in Appendix E. Twenty-seven of thirty-one borings were advanced to depths of either equipment refusal or bedrock. Bedrock was encountered at seventeen of borings ranging from 5 to 95 ft-bgs. Bedrock is as shallow as 5' ft-bgs, on the eastern portion of the Site and slopes down to the west to 95' below grade on the western portion of the Site. The bedrock elevation contours are shown in Figure 9. Refusal was also encountered at 17.5' in SB-104 and 19' in SB-108, possibly at Holder No. 3 and Holder No. 2/tar tank, respectively. Additionally, five borings were terminated at clay and peat stratigraphic layers at SB-117 and SB-119 through SB-122.

Between the ground surface and bedrock, Site stratigraphy consisted predominately of fill materials and variable-graded sands that were inter-bedded with layers of silty sand, silt, and gravel. Detailed geologic descriptions of overburden materials are provided in the environmental boring logs in Appendix E and are further described below.

4.1.1.1 Fill

Fill materials and soils are present throughout the Site. In general, the thickness of the fill horizon ranges from approximately 5 to 22.5 feet (see Cross sections A-A', D-D', and E-E' in Figure 6) across the Site. Within the former MGP gas holder structures, fill materials were encountered to the bottom of the borings, which was encountered between 17.5 and 22.5 ft-bgs.

Given the widespread presence of fill, it is possible that this stratum is wholly or partially the result of historic filling adjacent to the banks of the Hudson River and reworking of Site soils during historical construction and demolition activities.

4.1.1.2 Overburden Soils

Beneath the fill horizon are variably graded fine to coarse sands with variable amounts of fine to coarse gravel, silt and/or clayey fines. Layers of silty sand, silt, and clayey sand and clay are also interbedded in this overall sandy deposit, except on the western half of the Site where clayey soils dominate the stratigraphy with some interbedded layers of sand and silt.

An inconsistent, brown to reddish brown, sand to silty sand unit is present on the eastern portion of the Site immediately above depths of bedrock refusal. Silt layers are interbedded

within this sandy unit that ranges from 0.5 to 15 feet in thickness. On the western portion of the Site, fill overlies a 10' thick sandy to silty sand unit, overlying a 50-foot clay and silt, then transitions to sand until the depth of bedrock. Peat was also observed on the west-central portion of the Site between the crude oil tanks and purifying house between 18.5 and 20 ft-bgs (Cross-section B-B').

4.1.1.3 Bedrock

Depth to bedrock was encountered at seventeen of the thirty-two boring locations during the SC. Bedrock was encountered between 5 and 95 feet below the ground surface from the east to west, respectively. Bedrock slopes steeply downward to the west and is shallowest in SB-101 at 9.8 ft-msl, located near the northeast corner of the site adjacent to Woodworth Avenue, and deepest in SB-130 at -86.9 ft-msl, located on the western portion of the Site adjacent to Alexander Street (Figure 9).

4.1.2 Site Hydrogeology

All thirteen monitoring wells (MW-101 through MW-113) were screened at the water table or in the shallow groundwater. Groundwater elevations ranged from 24.93 ft-MSL (10.48 ft-bgs) in MW-101 located near the northeast corner of Site to 2.91 ft-MSL (3.40 ft-bgs) in MW-109 located near the southeast corner of Site. Table 5 presents a summary of depths to groundwater and groundwater elevations at low and high tide measured on July 24 and July 25, 2019, respectively.

The Site is located within approximately 400 feet of the east bank of the Hudson River. Tidal influence on Site groundwater elevations was assessed by recording elevations at both low tide and high tide. Groundwater elevations between all the wells on the Site varied by less than 0.86 feet between high and low tide, except at MW-104, located along Woodworth Avenue, which fluctuated by 3.16 feet between high and low tide.

The groundwater flow contours and interpolated direction of groundwater flow is presented in Figures 3 and 4. Groundwater at the Site appears to flow to the west towards the Hudson River. The presence of underground historic structures has an unknown effect on groundwater flow and elevation. Groundwater levels observed throughout the Site suggest groundwater elevation is generally uniform.

4.2 Nature and Extent of Environmental Impacts

Field observations and analytical results for soil vapor, subsurface soils, and groundwater conditions are discussed below.

The results of the laboratory analyses for soil vapor, soil and water samples from the SC are summarized in Table 2, Table 3, and Table 7, respectively and also shown in Figure 4, 7, and 8. The sampling results are presented in the following units:

- Soil vapor results are reported in micrograms per cubic meter ($\mu g/m^3$) which are equivalent to parts per billion (ppb).

- Soil sample results are reported in milligrams per kilogram (mg/kg), which are equivalent to parts per million (ppm).

- Water sample results are typically reported in micrograms per liter (µg/L), with the exception of some inorganic concentrations reported in milligrams per liter (mg/L). Parts per billion (ppb) are equivalent units to µg/L; ppm are equivalent units to mg/L.

The analytical results for the soil and water samples collected during the SC were compared to applicable New York State standards. Soil vapor are presented without comparison. Detected concentrations of the target compounds analyzed were compared as follows:

- Compounds detected in soil samples were compared to the Unrestricted Use Soil Cleanup Objectives (SCOs) presented in Table 375-6.8(a) of the regulations codified in Title 6 of New York Codes, Rules and Regulations (NYCRR) Part 375. The soil samples were also compared to the Industrial Use SCO's presented in Table 3. Typical background concentrations of metals for the Eastern United States were also referenced to evaluate potential MGP-related impacts versus background conditions; Table 10 lists regional background metals concentrations as reported by Bradley, et. al. (1994) and Shacklette and Boerngen (1984).
- Compounds detected in the water samples collected the Site were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs), presented in the NYSDEC Technical and Operational Guidance Series 1.1.1.

In general, the analytical results are discussed in terms of total VOCs and SVOCs, as well as cyanide. Unless otherwise indicated, benzene, toluene, ethylbenzene and xylenes (BTEX) compounds comprise the majority of the total VOCs detected in the Site samples, while PAHs comprise the majority of the total SVOCs detected in the samples. BTEX and PAHs are groups of compounds that are commonly associated with former MGP operations, as well as non-MGP sources.

For purposes of this Report, compounds considered when referencing PAHs include those listed below:

2-Methylnaphthalene	Pyrene
Acenaphthene	Benz(a)anthracene
Anthracene	Benzo(a)pyrene
Benzo(g,h,i)perylene	Benzo(b)fluoranthene
Fluoranthene	Benzo(k)fluoranthene
Fluorene	Chrysene
Naphthalene	Dibenz(a,h)anthracene
Phenanthrene	Indeno(1,2,3-cd) pyrene

Concentrations of total cyanide were also reported as part of the SC analytical program and are included in the discussions of the soil results. Cyanide is included as it was a common by-product of the manufactured gas purification process.

4.2.1 Subsurface Soil Vapor

A total of ten soil vapor samples were collected including two duplicate samples. Duplicate samples were collected at the SV-104 and SV-109 locations during two separate field mobilizations. In addition, an ambient air sample was collected at one outdoor location. The soil vapor sample locations are shown in Figure 2. Sub-surface soil vapor, and outdoor ambient air sample analytical results are summarized in Table 2.

In general, VOCs are present in soil vapor samples at levels that are consistent with background ambient air collected during the field investigation with the exception of several chlorinated VOCs which are present at elevated concentrations in 2 samples (SV-105 and SV-110). Chlorinated VOCs are not associated with the former MGP operations.

The soil vapor results showed low concentration detections of chemical compounds which are comparable to concentrations present in the ambient air sample. The following compounds were detected in in all six air samples: BTEX (benzene, toluene, ethylbenzene, and xylenes), butane, chloroform, n-nonane, n-decane, 1,3-dichlorobenzene, dichlorodifluoromethane, 1,2,4-trimethylbenzene, n-heptane, n-hexane, tetrachloroethene, and trichlorofluoromethane.

4.2.2 Soils

A total of 98 soil samples were collected from the two test pits and thirty-one borings advanced throughout the Site as part of this SC investigation (Figure 2). Soil sample analytical results summarized in Table 3 and analytical exceedances of NYSDEC Unrestricted and Industrial Use SCOs for soil results are shown in Figure 7 and Figure 8. Physical Impacts are shown in Figure 5. A discussion of the investigation field observations and soil analytical results are summarized below.

Physical Impact Summary

Physical MGP-related impacts (i.e. NAPL saturation, coating, sheens, odors, etc.) were observed at shallower elevations in and within the vicinity of the former holder locations. A summary of MGP impacts are presented in Figure 5. The following is a summary of MGP related impacts in the vicinity of the former holder area.

- SB-102 was completed within the footprint of former Gas Holder No. 1. A slight sheen was observed at a depth of 20 to 22.5 ft-bgs, immediately above bedrock, in boring
- SB-108 was completed within the footprint of former Gas Holder No. 2/tar tank. Tar saturation was observed between 8.5 and 19 ft-bgs. The tar was observed to be highly viscous in nature.
- SB-104 was completed within the footprint of former Gas Holder No. 3. A slight naphthalene-like odor was observed between 9.5 to 10 ft-bgs.
- Soil borings SB-105, SB-106, SB-109, and SB-110 were completed immediately downgradient of the holder locations. NAPL saturation, NAPL-coated soils, solid tar, and sheens were observed at these locations at depths ranging between 19.5 and 32 feet bgs.
- NAPL coated soils were also observed at SB-124 between 9 and 12 ft-bgs.

Petroleum-like odors and staining were observed in SB-111 and SB-123 near boring refusal of 5 ft-bgs and 7 ft-bgs, respectively. These borings were located between the Metro-North Railroad and the retaining wall, downgradient of the A&D Carting garage. Impacts observed in these borings could be related to the former MGP. It is also possible that the impacts could be associated with historic petroleum releases from non-MGP related sources including the three former gasoline underground storage tanks located on the parcel.

Physical MGP-related impacts were observed downgradient of the holders, west of the railroad at depths ranging between 3.5 and 95.0 ft-bgs. The following is a summary of MGP related impacts west of the railroad.

- NAPL saturation was observed between 0 and 25 ft-bgs at SB-113, SB-117, SB-118, SB-122, SB-127, SB-129, SB-130, and SB-131. NAPL saturation was observed within deeper zones at SB-131 between 85-95 ft-bgs.
- NAPL coated soils were observed between 0 and 25 ft-bgs at SB-112, SB-117, SB-119, SB-121, SB-122, SB-124, SB-126, SB-128, and SB-130. NAPL coated soils were observed within deeper zones at SB-119, SB-121, SB-126, SB-130, and SB-131.
- Lessor MGP related impacts including sheens, odors, and staining were also observed at SB-114, SB-117, and SB-119.

Petroleum-like odors and staining were observed at SB-115 and SB-116 near boring refusal at 10 ft-bgs and 12.5 ft-bgs, respectively. Both of these borings are located at the southern extent of the Site along Ashburton Avenue and are located downgradient of the former crude oil tanks used by the former MGP (Figure 2).

Analytical Summary

In general, the majority of soil samples had one or more exceedances of the Unrestricted and Industrial Use SCOs for VOC and/or PAHs.

- The maximum total VOC concentration was detected at 76,930 mg/kg at SB-105 (2.5-3.0) One or more VOC compounds exceeded the Industrial Use SCOs at SB-105 (2.5-3.0), SB-108 (18.5-19.0), SB-118 (9.0-9.5), and TP-102 (6.5-7.0). One or more VOC compounds exceeded the Unrestricted Use SCOs in 61 out of 98 sample locations.
- The maximum total PAH concertation was detected at 54,500 mg/kg at SB-108 (18.5-19.0). One or more PAH compounds exceeded the Industrial Use SCOs in 59 out of 98 sample locations. One or more PAH compounds exceeded the Unrestricted Use SCOs in 64 out of 98 sample locations.
- VOCs and PAHs were not detected above either SCO standards in soil samples collected from two borings, SB-102 and SB-115(Table 3).

SB-105 contained the highest VOC concentrations, which was installed immediately adjacent to Holder No. 3. VOCs were detected exceeding SCOs in four of the five soil samples collected from boring including: SB-105 (2.5-3.0), SB-105 (9.0-9.5), SB-105 (24.0-25.0), and SB-105 (31.5-32.0). Total VOC concentrations exceeding Industrial Use SCOs were detected in SB-105 (2.5-3.0) at 76,930 mg/kg. During field investigation activities these shallow impacts were observed outside of a loading dock located at the 119 Woodworth Avenue property and was noted as being within historic fill and the material below that 2.5-3.0-foot interval is noted as having a solvent/ paint like odor. PAH concentrations for this 2.5-3.0-foot sample interval were considerably low but increased with depth. Based on field observation and analytical results, the shallow VOC exceedance in detected in SB-105 (2.5-3.0) do not appear to by MGP-related and are likely related to other, post-MGP operations at the Site, potentially including the paint shop.

Soil sample SB-108 (18.5-19.0) was collected from the interval within the former holder, as confirmed by the excavation of the sub-grade holder wall in test pit TP-102. SB-108 (18.5-19.0) contained the second highest detection of total VOCs at 8,782 mg/kg. The total SVOC concentration in this sample was 56,004 mg/kg. PAHs were the primary contributors to the total SVOC concentration, with concentrations of several PAHs in the sample exceeding Industrial Use SCOs. Based on field observations and analytical results from SB-108 (18.5-

19.0), MGP-related residual impacts are present at the location of former Gas Holder No. 2/tar tank.

Metal exceedances above the Industrial Use SCOs were generally limited to soil samples collected within the shallow, urban fill interval, with the exception of SB-122 (17.0-17.5) which had an exceedance of mercury above Industrial Use SCOs. Metal exceedances were also compared to the Eastern United States and New England typical background concentrations listed in Table 10:

- Lead and mercury were detected at concentrations above the Industrial Use SCOs in SB-105 (2.5-3.0), located downgradient of the former Holder No. 3. These concentrations also exceed the typical background concentration range for both lead and mercury.
- Arsenic was detected at concentrations above the Industrial Use SCOs in seven subsurface soil samples collected within throughout the Site with the highest concentration detected in SB-127 (6.0-6.5). However, three of these samples, SB-130 (5.0-5.5), SB-118 (3.5-4.0) including its duplicate, and SB-127 (6.0-6.5), exceed the typical background concentration range for arsenic.

Metals did not exceed any of the Unrestricted Use SCOs in seven of the thirty-one borings installed on the Site. The remaining twenty-four borings had at least one or more metal exceedance above either the Unrestricted or Restricted Use SCOs.

Total cyanide was detected above the Unrestricted Use SCO of 27 mg/kg in three soil samples ranging from 35.3 mg/kg [SB-108 (18.5-19 ft-bgs)] to 48.7 mg/kg [SB-105 (2.5-3.0 ft-bgs)].

4.2.3 Groundwater

Groundwater samples were collected from ten of the thirteen monitoring wells installed during the SC field program including: MW-101 through MW-104, MW-106, and MW-109 through MW-113. Groundwater samples were submitted for analysis of VOCs, SVOCs, total Metals, and total Cyanide. One groundwater grab sample was collected from boring SB-111 during soil characterization activities due to the presence of LNAPL observed on top of groundwater within the pre-cleared boring location. A photo is provided in Appendix D (photograph 9). The analytical results for groundwater samples are summarized in Table 7. The groundwater sample collected from MW-106, screened from 10 to 20 feet bgs concentrations of total BTEX of 715 ug/L and exhibited concentrations of PAH's of 1,200 ug/L. This contrasts with observations noted in the grab sample, collected at an approximate depth of 4 feet bgs from boring SB-111 from the same area. The groundwater grab sample exhibited lower concentrations of total BTEX (76 ug/L) and increased concentrations of PAH's (3,019 ug/L) and individual metals, with the exception of manganese. The increased metal concentrations are likely attributed to the sample being an unfiltered grab sample.

The concentrations of total VOCs ranged from 2.29 µg/L in the duplicate sample at MW-109 to 18,290.5 µg/L in MW-102. Of the detected VOCs, BTEX, cis-1,2-Dichloroethene, isopropyl benzene, tetrachloroethene (PCE), 1,1,1-tricloroethane (TCA), methyl tert-butyl ether, styrene and trichloroethene (TCE) exceeded the NYS AWQS in one or more sample. TCE, PCE, and TCA are chlorinated solvents and are not related to the former MGP operations and are likely derived from other, post-MGP operations at the Site or surrounding area. The groundwater grab sample collected from boring SB-111 did not significantly differ chemically from MGP related compounds. Total VOC concentrations were detected at 134.12 µg/L, with benzene and isopropylbenzene detected above NYS AWQS. Total PAHs were detected at 3,019 µg/L with multiple PAHs exceeding the AWQS.

The concentrations of total SVOCs ranged from not detected above laboratory reporting limits in sample MW-111 to 9,275 ug/L in sample MW-103. Of the detected SVOCs, acenaphthene, benzo(a)pyrene, naphthalene, 2,4-dimethylphenol, and phenol exceeded the respective NYS AWQSs. Additional PAHs were detected in the grab sample from SB-111 and these concentrations may be biased high due to the "grab" sampling method from a bore hole which could contain more suspended sediments in the sample. PAHs are colloidal and are likely to adhere to sediment grains in the water sample causing a high bias in analytical results.

The concentrations of the following metals exceed the NYS AWQS in one of more sample: iron, magnesium, manganese, selenium, and sodium. Concentrations of iron, manganese and sodium exceeded the NYS AQWS in all groundwater samples. Chromium and lead were also detected above the NYS AQWS in the grab sample collected from SB-111.

Total cyanide slightly exceeded the NYS AQWS standard of 200 µg/L in MW-103 at a concentration of 214 µg/L. Cyanide was detected in the remaining samples except MW-109 and MW-110, where cyanide was not detected above the laboratory reporting limits.

4.2.4 NAPL

NAPL was gauged on May 16, 2019, July 24, 2019, and November 14, 2019. During the May 16, 2019 event, DNAPL was observed at monitoring wells MW-105 (4.41 feet), and MW-107 (8.61 feet). Trace amounts (less than 0.1 feet) of LNAPL were observed in MW-102 and MW-103.

Following the initial observations of DNAPL during the May gauging event, a NAPL recovery event was conducted to provide more information about its potential for recovery. The NAPL pumping event was conducted on June 27, 2019 at MW-105 and MW-107 using a Super Sonic Pump©. The DNAPL was measured for thickness prior to pumping, the approximate volume of NAPL removed was recorded in gallons, and the thickness of DNAPL after one hour of pumping was recorded (Table 9). Approximately 0.4 gallons of NAPL was removed from MW-105 and 2.0 gallons of NAPL was removed from MW-107. The thickness of NAPL in

MW-107 remained around 8.0 feet thick after 1 hour of pumping. NAPL samples were collected from MW-105, MW-107, and MW-108 and analyzed for fingerprint analysis by EPA Method 8015B. The results of the fingerprint analysis were inconclusive as they determined that the samples consisted of an unidentified mixture of hydrocarbons. Laboratory data are presented in Appendix H.

Following the recovery event, NAPL was again gauged on July 24, 2019. DNAPL thicknesses rebounded in MW105 (2.65 feet) and MW-107 (9.80 feet), indicating that NAPL can be recovered at these locations. DNAPL was also gauged in MW-104 (0.10 feet), and MW-108(0.10 feet). Trace amounts of LNAPL was also observed in MW-108 during the July 24, 2019 gauging event.

NAPL gauging was also completed on a limited number of wells on November 14, 2019. DNAPL was observed in MW-105 and MW-107 at thicknesses of 2.26 feet and 9.70 feet, respectively. MW-108 had measurable amounts of LNAPL and DNAPL during the July 2019 sampling event but was not gauged during the November 2019 event due to the well not being accessible.

5. Qualitative Human Health Exposure Assessment

This QHHEA identifies potential human exposures associated with contaminants detected in soil, groundwater, and indoor air at the Site that are at concentrations in excess of specific regulatory screening criteria and standards. Specifically, the screening criteria and guidance values are provided by NYSDEC, NYSDOH, and federal risk-based screening values (EPA 2004; 2006). The purpose of the assessment is to identify potential pathways of exposure of these COCs to the on-site and surrounding community and to indicate the potential need for mitigative measures to reduce potential exposures. The QHHEA is consistent with Appendix 3B of *DER-10, Technical Guidance for Site Investigation and Remediation* (NYSDEC, 2010).

This QHHEA uses the SC investigation data and findings, information on the Site setting and background (Section 2), site geologic and hydrogeologic characteristics (Section 4.1), and the nature and extent of environmental impacts identified at the site (Section 4.2) to complete the assessment. This QHHEA was prepared considering the data collected to date. The QHHEA will be revised as part of the Remedial Investigation to incorporate the additional information collected.

5.1 Exposure Pathways

An exposure pathway describes the means by which a potential receptor may be exposed to contaminants originating from a site. Assessment of potential exposure pathways includes the following five elements (NYSDEC, 2002):

1. A contaminant source
2. Contaminant release and transport mechanisms
3. A point of exposure
4. A route of exposure
5. A receptor population

The qualitative exposure assessment summarizes the COCs at the study area (elements 1 and 2), the media in which COCs are present (potential exposure points, element 3), the potential exposure routes of the COCs (i.e., ingestion, inhalation, dermal absorption, element 4), and the assumed potential receptors (element 5). The NYSDEC and NYSDOH consider an exposure pathway complete when all five elements of an exposure pathway are documented. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway has not existed in the past, does not exist in the present and will never exist in the future (NYSDEC, 2010).

It is important to note that this QHHEA assumes that contaminant conditions have not or will not be mitigated. In this sense, a "baseline" of potential exposures is presented. It should be noted that while the Unrestricted Use Soil Cleanup Objectives listed in 6 NYCRR Part 375 are used as the screening criteria, the final cleanup objectives, if any, for the Site may vary. The remedy selection process allows for remedial alternatives that achieve a restricted use of the site which may be proposed by the remedial party. In these cases, NYSDEC may approve the restricted use cleanup objectives if the remedy "achieves a cleanup which is more stringent than the current, intended and reasonably anticipated future land uses of the site and its surroundings."

This statement recognizes that site-specific values may ultimately be used as the cleanup criteria for a site. Therefore, it is important to recognize that determination of a complete or potentially complete pathway as determined through the qualitative exposure assessment process does not necessarily mean that there is an actual risk posed to a potential receptor.

For the purposes of this assessment, it is assumed that future land uses for the Site will be converted to mixed residential/commercial. A summary of complete qualitative exposure pathways is presented below. The following sections discuss the identification of COCs, exposure points, exposure routes, and potential receptors.

5.2 Complete Qualitative Summary

5.2.1 Contaminants of Concern

COCs are identified as those VOCs, SVOCs, metals and/or cyanide that were detected at concentrations exceeding 6 NYCRR Part 375 Unrestricted Use SCOs in soil and/or NYSDEC AWQSGVs in water. The COCs within this category are: the four BTEX compounds, a subset of VOCs; sixteen PAH compounds, a subset of SVOCs; and metals.

If one or more COCs at the maximum detected concentration exceeded the screening criteria, there exists a potential exposure pathway. Table 11 identifies the COCs for subsurface soil at the site and identifies the exceeded screening criteria which create a potential exposure point as summarized below.

5.2.2 Contaminant Release and Transport Mechanisms

The potential mechanisms for migration of the COCs include volatilization, sorption, fugitive dust, and solubility. COCs in each environmental media are discussed with respect to their affinity to each of these mechanisms. These mechanisms are summarized below:

- **Volatilization:** this action describes the movement of a chemical from the surface of a liquid or solid matrix to a gas or vapor phase. While BTEX compounds, chlorinated VOCs, and to a lesser extent naphthalene, tend to volatilize, PAHs and inorganics do not tend to volatilize outside of extreme pressure and/or temperature conditions.
- **Sorption**: this action is usually defined as the reversible binding of a chemical to a solid matrix. However, there is evidence in the published literature that there is a partially irreversible component related to the time that the compound has been sorbed to a soil matrix (Brusseau, et al., 1989; Brusseau, et al., 1991; Loehr, et al., 1996). Sorption of BTEX, PAHs, chlorinated VOCs and metals limits the fraction available for other fate processes such as volatilization and/or solubility. In general, BTEX compounds and chlorinated VOCs have low sorption potential, coupled with high water solubility and high volatility, which make sorption a relatively minor environmental fate process for these compounds compared to other mechanisms. PAHs exhibit varying degrees of binding affinity to organic matter and soil particles; this affinity is dependent upon their individual molecular structures. In general, the higher molecular weight PAHs (e.g., benzo(a)pyrene) are strongly sorbed, whereas the lighter PAHs (e.g., naphthalene) are less strongly sorbed (EPA, 1979; EPA, 1986). Therefore, the higher molecular weight PAHs are expected to remain sorbed to soils, while the lighter PAHs may be desorbed and transported by other mechanisms. Metals may remain sorbed to soils depending on oxidation-reduction conditions and the availability of anions with which the metals could bind. Metals that do not remain sorbed to soils could be available for transport through surface or groundwater in solution.
- **Fugitive Dust:** COCs sorbed to soil particulates could be transported as fugitive dust if exposed to wind erosion. As discussed above, PAHs exhibit varying degrees of binding affinity to organic matter and soil particles; this affinity is partly dependent upon their individual molecular structures. In general, the higher molecular weight PAHs (e.g., benzo(a)pyrene) are strongly sorbed, whereas the lighter PAHs (e.g., naphthalene) are less strongly sorbed (EPA, 1979; EPA, 1986). Therefore, the higher molecular weight PAHs are expected to remain sorbed to soils, while the lighter PAHs may be desorbed and transported by other mechanisms. Inorganics also generally exhibit an affinity to particulates.
- **Solubility:** this is the measure of a chemical's ability to dissolve in water. COCs sorbed to surface soil may dissolve in water and may be transported as surface water, while COCs sorbed to subsurface soils may dissolve in water and be transported via the groundwater aquifer system. PAHs have varying degrees of solubility. The lighter

PAHs are more soluble, while the heavier PAHs are less soluble and typically do not dissolve into water. Metals in the subsurface soils could dissolve and continue to leach into the groundwater system. However, the solubility of metals is highly dependent upon the pH and oxidation-reduction conditions of the aquifer, the valance state of the specific metal, and the availability of anions that the metals could bind with to become immobile.

5.2.3 Potential Receptors and Routes of Exposure

The potential receptors for each COC in each media are determined based on current land use at the Site and based on foreseeable potential future land uses. Table 11 summarizes the information contained below.

The following potential receptors for the Woodworth Former MGP Site were identified and evaluated:

- **Site Occupants** – This receptor includes all occupants and their workers/employees at the Site, including Greyston Bakery and the former Steven's Paint Corp. Potential exposure concerns for occupants would be inhalation of particulates and volatile compounds during subsurface utility and other underground construction activities. Vapor intrusion to indoor air was not specifically evaluated as part of this SC.

- **Adjacent Off-Site Receptors** – This receptor includes individuals residing and/or visiting the adjacent properties. Potential exposure concerns for off-site individuals would be inhalation of particulates and volatile compounds (nuisance odors) during subsurface utility and other underground construction activities.

- **Utility Worker** – This receptor includes individuals who perform short duration repairs to underground utilities at the property. These individuals may be exposed to COCs in subsurface soils during excavation activities via incidental ingestion, dermal contact, and inhalation of volatilized compounds and particulates (fugitive dust). They may also have an exposure pathway to COCs in shallow groundwater via incidental ingestion and dermal contact and to COCs in soil vapor via inhalation.

- **Construction Worker** – This receptor includes individuals who perform short duration construction activities at the property that require disturbance of the subsurface. These construction workers may contact COCs via subsurface soils, groundwater, and soil vapor. The construction worker may be exposed to contaminants in subsurface media through incidental ingestion, dermal contact, and inhalation of volatilized compounds (soil vapor) and particulates (fugitive dust).

5.2.4 Assessment of Exposure Pathways

Using the data collected during this SC investigation and summarized in the tables, figures and plates of this report, each potential exposure pathway identified above was assessed. A complete exposure pathway exists when a COC is present in a media above the screening criteria (potential exposure point) and a potential receptor can be exposed to that COC through one or more of the exposure routes previously identified based on the specific land use (Section 2) and impacted media (Section 4).

An example of a complete exposure pathway would be an on-site construction worker excavating soil. If the soils contain COCs (VOCs, SVOCs/PAHs, metals) at concentrations greater than the SCGs (exposure point), then a complete exposure pathway exists for the construction worker potentially contacting those soils via incidental ingestion, dermal contact, or inhaling particulates from the excavation (route of exposure).

5.2.4.1 Soil Vapor

Construction and utility workers involved in excavation activities at the Site may have complete exposures to COCs in soil vapor via inhalation. Work zone monitoring of VOCs and implementation of established actionable levels during excavation work will need to occur in accordance with a site-specific HASP and will mitigate potential exposures to the VOCs in soil vapor. As part of any intrusive work, offsite receptors may have potential for exposure due to inhalation of VOCs released during the intrusive work and are included as potential receptors. As such a site-specific Community Air Monitoring Program (CAMP) with be implemented to prevent exposures during intrusive work.

5.2.4.2 Indoor and Ambient Air

Indoor air was not investigated during the SC and requires further evaluation to determine if there is a potential exposure pathway. An evaluation would need to be conducted in conjunction with any future building construction or parcel development to evaluate whether there is potential for a complete exposure pathway. The Greyston Bakery parcel was remediated as part of the voluntary cleanup program (Site V00361). As part of the remedy, an active sub-slab depressurization system was installed.

5.2.4.3 Subsurface Soils

A complete exposure pathway to COCs in subsurface soils exists for utility workers and construction workers engaging in excavation activities. Any future construction or utility worker would have to wear personal protection equipment (PPE) appropriate for the COC concentrations anticipated, based on the data collected for the Site, and the potential exposure routes exposed. Implementation of appropriate PPE and procedures would need to follow an established site-specific HASP that includes, or is amended as needed to include, task-specific

health and safety procedures. Work zone and community air monitoring plans and a soil and groundwater management plan would also have to be developed and implemented to ensure that they and other present receptors are not exposed to COCs in subsurface soils during disturbance. The use of such precautions will mitigate potential exposures to impacted subsurface soils.

5.2.4.4 Groundwater

A complete exposure pathway to COCs in groundwater exists for utility workers and construction workers engaging in excavation activities within the water table at the Site. Any future construction workers would have to wear personal protection equipment (PPE) appropriate for the COC concentrations anticipated, based on the data collected for the site, and the potential exposure routes exposed. Implementation of appropriate PPE and procedures would need to follow an established site-specific HASP that includes, or is amended as needed to include, task-specific health and safety procedures. Work zone and community air monitoring plans and a soil and groundwater management plan would also have to be developed and implemented to ensure that they are not exposed to COCs in perched groundwater during excavation within the water table within the former holder limits.

5.2.4.5 Exposure Pathway Assessment Summary

In summary, subsurface media (soil, groundwater, soil vapor) may provide an exposure pathway if excavation activities are conducted at the Site. Receptors involved in excavation activities (construction and utility workers) may come into contact with surface soils, subsurface soil and soil vapor. On-site and off-site receptors may have a complete exposure pathway to air-borne particulates (as fugitive dusts) and volatile compounds (nuisance odors) during times of excavation work when materials are disturbed. Indoor air was not studied during the SC requires further evaluation to determine if it is acting as an exposure pathway. The implementation of worker protection plans, such as HASPs that include PPE procedures and action levels, as well as the implementation of work zone and community air monitoring plans and soil and groundwater management plans during earthwork activities, can mitigate potential exposure issues and eliminate a complete exposure pathway. This QHHEA was prepared considering the data collected to date. The QHHEA will be revised as part of the Remedial Investigation to incorporate the additional information collected.

6. Conceptual Site Model

Based on the 2003 History Report, subsurface characteristics and nature and extent of compounds detected in soils, groundwater, and soil vapor at the Woodworth Avenue Works former MGP Site, GEI has developed the following conceptual site model (CSM).

The CSM provides a holistic framework for the physical and chemical contaminant distribution. It serves as a basis for future decisions regarding investigation or remediation. The CSM will discuss the nature of the impact sources, pathways for source migration, and potential human and ecological receptors. Other contaminant impact issues and potential exposure concerns, such as those relating to non-MGP related VOCs (e.g., tetrachloroethylene) are not addressed in detail as part of this CSM.

The former MGP occupied approximately 4.3 acres of land located on the west side of Woodworth Avenue between Babcock Place and Ashburton Avenue in the city of Yonkers, Westchester County, New York (Figs. 1 and 2). During its operational period it contained a purifying house, crude oil storage tanks, two 263,000 cubic foot gas holders (Holder Nos. 1 and 3) and one smaller gas holder (Holder No. 2), one subsurface tar tank which replaced Holder No. 2 c. 1917, several sheds, an oil house and oil storage tanks, retort generators, and a coal storage shed. After the MGP was completely demolished, the property was used for commercial/industrial purposes. Some of these operations included: a machine shop, a paint shop, storage, auto repair shop, Metro-North substation, and a bakery.

6.1 Contaminant Sources

The data collected during the SC has identified both MGP-related impacts (NAPL and Petroleum) as well as other impacts not likely related to the former MGP (potentially some petroleum and solvent-like impacts) at the Site. Depth of impacts ranged from 5 feet to the deepest depth of 95 ft-bgs.

Findings from the SC indicates that the primary source of NAPL contamination likely originated from the areas of the three Gas holders. The source of DNAPL is primarily from Gas Holder No. 2/tar tank. Impacts were observed in soils at the bottom of each of the three former gas holders including a sheen at Holder No. 1 (SB-102), tar-saturated soils at Holder No. 2 (SB-108), and naphthalene-like odors at Holder No. 3 (SB-104). Tar saturated and tar coated soils were primarily observed on the eastern and central areas of the Site near the location and downgradient from Holder No. 2/tar tank and the purifying houses. The foundation of Holder No. 2 appears to be at the bedrock surface and DNAPL from the holder appears to follow the bedrock surface from Holder No. 2 to the west toward Alexander Street.

Based on historical figures, the east bank of the Hudson River was located adjacent to the western boundary of the former MGP site. A dock, labeled on a historic site plan by the City of Yonkers dated June 1888 as the "Yonkers Gas Light Co.'s Dock" was also shown in this area and would have been the main area where ships would be loaded and offloaded with MGP materials and/or byproducts. MGP-like impacts were observed at depths in SB-118 and westward to SB-130 above the peat and clay confining layer which is likely the former riverbed deposits (Cross Sections A-A', B-B', and C-C' in Figure 6). The source of these impacts is derived both from the former upgradient holders, primarily Holder No. 2, and possibly from the loading/off-loading operations along the River during MGP operations.

Petroleum-like impacts, odors and sheens, were observed in soils on the 104 Alexander Street property in the vicinity of the former crude oil tanks. Sources for these petroleum impacts potentially include the former oil tanks/crude oil tanks and retort generators as well as historic operations on site following the MGP decommissioning (Figure 5). Petroleum -like odors and staining were also observed between the Metro-North Railroad and the retaining wall, downgradient of the A&D Carting garage. Impacts at these borings could be related to the former MGP. It is also possible that the impacts could be associated with historic petroleum releases from non-MGP related sources including the three former gasoline underground storage tanks located on the parcel.

Chlorinated compounds were observed in soil vapor (SV-105, SV-110) and groundwater (MW-101, MW-102) samples at elevated concentrations. In addition, solvent-like odors were observed in SB-105 which is located on the eastern portion of the Site. Sources of solvent related impacts are not related to the former MGP operations at the Site.

6.2 Potential Migration Pathways and Extent

Fate and transport mechanisms for impacts include movement as NAPL, sorption to subsurface soil, and dissolution into groundwater.

6.2.1 NAPL

The source of the DNAPL is primarily from the area of Gas Holder No. 2, which was converted into a subsurface tar tank c. 1917. NAPL impacts were observed in the borings located in the immediate area and downgradient of Holder No. 2 between 8.5 to 30 ft-bgs. Holder No. 2/tar tank appears to be at the bedrock surface and DNAPL from the holder appears to follow the bedrock surface from Holder No. 2/tar tank to the west toward Alexander Street and south toward Ashburton Avenue. This former MGP structure appears to be the main source of DNAPL impacts on the Site impacting soil and groundwater downgradient of Holder No. 2/tar tank.

6.2.2 Soil

MGP-impacted soils (sheen, staining, blebs, NAPL coating and/or saturation) were visually observed in the following borings and a summary of visual impacts is included in Figure 5:

- SB-102
- SB-105 through SB-110
- SB-112
- SB-113
- SB-114
- SB-117 through SB-119
- SB-121
- SB-122
- SB-124
- SB-126
- SB-127
- SB-129 through SB-131

Petroleum-impacted soils were observed in SB-115 and SB-128, which advanced in proximal vicinity of each other and downgradient of the former oil tanks. These impacts are shallow, less than 10 ft-bgs, and localized to their potential sources, the former auto garage on the eastern portion of the Site (SB-111 and SB-123) and the former oil tanks on the western portion of the Site (SB-113 through SB-116 and SB-128).

Impacts in the following borings were limited to odors:

- SB-111
- SB-103
- SB-104
- SB-120
- SB-116
- SB-123

Borings SB-101 and SB-105 did not contain any visual or olfactory impacts. These borings bound the lateral extent of MGP-impacted soil at the northeast corner of the Site. The southern extent along Woodworth Avenue, northern extent along Babcock Place west of the railroad, and western extent along Alexander Street has not been defined as lateral impacts appear to spread outside the bounds of the Site. The vertical extent of NAPL in overburden soils extend vertically to the top of bedrock, as deep as 95 ft-bgs in SB-130 and SB-131 as shown on the cross-sections presented in Figure 6.

6.2.3 Groundwater

Groundwater flows west-southwest across the Site at low and high tides, towards the Hudson River. PAHs were detected in groundwater at all the monitoring wells except for MW-111 during the July sampling event, a downgradient well located along Alexander Street. The highest concentrations of total PAHs were detected MW-103 at 9,075 ug/L, which is located on the eastern portion of the Site downgradient from Gas Holder Nos. 2 and 3. The highest total BTEX concentrations were observed in MW-102 which is located downgradient of Gas Holder No. 1 and 3 and the former machine shop.

Concentrations of COCs, including naphthalene and acenaphthene, were detected above the AWQS in MW-102 through MW-104, MW-112, and MW-113, which are located adjacent to

and downgradient from the former gas holders and purifying house structures. These PAH exceedances in these wells also correlated with observed impacts at these respective boring locations including NAPL coated and saturated soils.

Concentrations of chlorinated VOCs (trichloroethene, tetrachloroethene, 1,1,1-trichloroethane, and cis- and trans-1,2-dichloroehtene) were detected in MW-101, MW-102, MW-104, MW-111, and MW-112 which are located upgradient and along the Babcock Place. The highest concentrations of chlorinated VOCs were detected in centrally located wells, MW-102 and MW-112, located downgradient of the former machine shop as well as in upgradient well, MW-101. Chlorinated VOCs area not associated with MGP operations and byproducts which suggests an upgradient source from either the former machine shop (operations post-date the MGP) and other upgradient, offsite sources.

7. Conclusions

A SC of the former Woodworth Avenue Works MGP Site between March and July 2019 pursuant to AOC Index Number: CO0-20180516-519, Site No. 360164 between Con Edison and the NYSDEC. The characterization was completed in accordance with the NYSDEC-approved work plan. The purpose of the SC was to collect sufficient data to evaluate the presence or absence of chemical compounds within soil vapor, soils and groundwater that may be associated with the former MGP. The investigation was also intended to provide information on whether potential pathways exist to potential receptors. The investigation was, in part, designed to evaluate the location of potential MGP source areas that were identified in the 2003 History Report.

Based on observations and data collected during the Site Characterization investigation, the following conclusions can be made:

- Evidence of MGP impacts is present in soil and groundwater at the Site and appear to originate from the former MGP operations including the former gas holders, purifying house, and oil storage area. Holder No. 2 appears to be the primary source of MGP impacts. Secondary sources of impacts are located in the vicinity of the former petroleum storage tanks and possibly from the loading/off-loading operations along the River during MGP operations.
- The subsurface foundation of Holder No. 2, constructed of brick and mortar, were found during the excavation of TP-102 and advancement of SB-108. Due to the presence of tar observed within the tank, it appears that the holder is intact. NAPL was also observed in soil borings and groundwater monitoring wells downgradient from Holder No. 2.
- Remnants of Holder 1 and Holder 3 were also encountered during the investigation, at depths of 22.5 ft-bgs and 17.5 feet bgs, respectively.
- VOCs associated with MGP contamination are present in the Site soil vapor at levels consistent with ambient air. The elevated concentrations of chlorinated VOCs in soil are not considered to be related to the former MGP. Post MGP industrial/ commercial site use is likely the source of chlorinated VOCs.
- VOC, PAHs, and metals at concentrations above the NYSDEC Industrial Use Soil Cleanup Objectives were detected in soils on the eastern portion of the Site in the areas directly adjacent and downgradient to the former holders at depths ranging from 2 to 32 ft-bgs.

- VOCs, PAHs, and metals were detected at concentrations above NYSDEC Industrial Use Soil Cleanup Objectives in soils on the western portion of the Site downgradient from MGP operations, at depths ranging from 2.5 to 94.5 feet.
- Groundwater elevations range from 24.83 ft-msl (10.48 ft-bgs) in MW-101 located on the northeastern corner of the Site to 2.91 ft-msl (3.40 ft-bgs) in MW-109 located on the southwest corner of the Site. Based on the groundwater elevations, groundwater flow is to the west-southwest toward the Hudson River.
- VOCs and SVOCs were detected in groundwater above NYS AWQSs on both the eastern and western portion of the Site.
- DNAPL was observed at monitoring wells MW-102, MW-103, MW-105, MW-107, and MW-108. DNAPL thickness ranged from trace levels to a maximum of 9.81 feet at MW-107. Trace amounts (less than 0.1 feet) of LNAPL were observed in MW-102 MW-103, and MW-108. Based on the results of the NAPL recovery testing, recoverable NAPL is present at MW-105 and MW-107.

Based on the findings of the SC, MGP related impacts are present at the Woodworth Avenue Works former MGP Site and there are limited data gaps that require further investigation. A Remedial Investigation would provide more information to:

- Evaluate whether there are impacts present to the east of Woodworth Ave,
- Delineate impacts to the south of Holder 2 towards Ashburton Ave, and potential NAPL migration from Holder 2,
- Evaluate whether the 48-inch diameter brick sewer along Ashburton Avenue acts as preferential migration pathway for MGP impacts,
- Assess what impact any potential preferential migration pathway from the 48-inch brick sewer would have on the Hudson River, and
- Evaluate potential remedial actions.

In addition, the development and implementation of an Interim Site Management Plan and Excavation Work Plan would be utilized to mitigate potential exposure to utility and/or construction workers.

8. References

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Tables

Table 1. Sample Location And Collection Rationale Summary
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample I.D.	Sample Location	Sample ID and Depth (feet below ground surface)	Sample Rationale	Sample Media Collected and Analyzed				VOCs (EPA 8260B)	SVOCs (EPA 8270C)	TAL Metals (6000/7000)	Cyanide[1]	DRO/GRO	VOC's (TO-15)
				Soil	Groundwater	NAPL	Soil Vapor						
SB-101/MW-101	119 Woodworth Avenue, Immediately upgradient from Gas Holder No. 1	S+3:114B-101/MW-101	Evaluate soil quality at groundwater table.	X				X	X	X	X		
		SB-101 (18.0-18.5)	Evaluate soil quality at equal depth of Holder No. 1 bottom.	X				X	X	X	X		
		SB-101 (24.5-25)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
		MW-101	Evaluate groundwater quality of the shallow, overburden aquifer.		X			X	X	X	X		
SB-102	119 Woodworth Avenue, within Gas Holder No. 1 footprint	SB-102 (18.5-19.0)	Evaluate soil quality above former holder base.	X				X	X	X	X		
		SB-102 (22-22.5)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
SB-103	119 Woodworth Avenue, side gradient and immediately south of Gas Holder No. 1	SB-103 (4.5-5.0)	Evaluate soil quality of the shallow vadose zone where naphthalene-like odors were observed.	X				X	X	X	X		
		SB-103 (9.5-10.0)	Evaluate soil quality at the groundwater table.	X				X	X	X	X		
		SB-103 (18.5-19.0)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
SB-104	117 Woodworth Avenue, within the footprint of Gas Holder No. 3	SB-104 (11.5-12.0)	Evaluate soil quality at the groundwater table.	X				X	X	X	X		
		SB-104 (17.0-17.5)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
SB-105/MW-102	117 Woodworth Avenue, downgradient of Gas Holder No. 1 and 3	SB-105 (2.5-3.0)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X	X	
		SB-105 (9.0-9.5)	Evaluate soil quality at the groundwater table/high PID readings.	X				X	X	X	X		
		SB-105 (18.0-18.5)	Evaluate soil quality at the depth with highest PID readings.	X				X	X	X	X		
		SB-105 (24.0-24.5)	Evaluate soil quality at the depth of highest degree of contamination (solid NAPL).	X				X	X	X	X		
		SB-105 (31.5-32.0)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
		MW-102	Evaluate groundwater quality of the shallow, overburden aquifer.		X			X	X	X	X		
SB-106/MW-103	117 Woodworth Avenue, downgradient of Gas Holder No. 3.	SB-106 (21.0-21.5)	Evaluate soil quality at equal depth of Holder No. 3 bottom.	X				X	X	X	X		
		SB-106 (26.7-27.0)	Evaluate soil quality at the depth with the highest degree of observed contamination (blebs and NAPL coating).	X				X	X	X	X		
		SB-106 (31.5-32)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
		MW-103	Evaluate groundwater quality of the shallow, overburden aquifer.		X			X	X	X	X		
SB-107/MW-104	95 Woodworth Avenue, immediately adjacent to the northeast footprint of Gas Holder No. 2	SB-107 (8.0-8.5)	Evaluate soil quality at the groundwater table.	X				X	X	X	X		
		SB-107(18.0-18.5)	Evaluate soil quality at the depth with the highest VOC reading, petroleum-like odor, and tar-like staining.	X				X	X	X	X		
		SB-107 (20.5-21.0)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
		MW-104	Evaluate groundwater quality at the groundwater table.		X			X	X	X	X		

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				Soil	Groundwater	NAPL	Soil Vapor						
SB-108	95 Woodworth Avenue, within the footprint of Gas Holder No. 2	SB-108 (2.0-2.5)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X	X	
		SB-108(18.5-19.0)	Evaluate soil quality at the depth with the highest PID reading, naphthalene-like odor, and tar-like staining and sheen, potential base of holder.	X				X	X	X	X		
SB-109/MW105	95 Woodworth Avenue, downgradient of footprint of Gas Holder No 2.	SB-109 (13.5-14.0)	Evaluate soil quality at or around groundwater table.	X				X	X	X	X		
		SB-109 (17.0-17.5)	Evaluate soil quality at the depth with the highest PID reading, naphthalene-like odor, and NAPL coating.	X				X	X	X	X		
		SB-109 (29.5-30.0)	Evaluate soil quality above refusal (likely bedrock).	X				X	X	X	X		
		MW-105	Groundwater from MW-105 not analyzed due to presence of DNAPL measured in the well on 5/16/2019. DNAPL Sample collected for fingerprint analysis.			X							
SB-110	95 Woodworth Avenue, downgradient of footprint of Gas Holder No. 2.	SB-110 (16.0-16.5)	Evaluate soil quality at a depth of high PID reading, naphthalene like odor and NAPL coated lenses	X				X	X	X	X		
		SB-110 (19.5-20.0)	Evaluate soil quality at the depth with the highest PID reading, naphthalene-like odor, and NAPL coating.	X				X	X	X	X		
		SB-110 (27.0-27.5)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
SB-111	Adjacent to Ashburton Avenue, downgradient of former Gas Holder No. 2 and former generator retort building.	SB-111 (4.5-5.0)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X		
		SB-111 (4.5-5.0)	Evaluate soil quality above refusal (likely bedrock).	X				X	X	X	X		
SB-112/MW-107	East of the Greyston Bakery building, downgradient and west of the former gas holders and purifying houses.	SB-112 (9.0-9.5)	Evaluate soil quality at the groundwater table.	X				X	X	X	X		
		SB-112 (24.0-24.5)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
		SB-112 (24.-25.0)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
		MW-107	Groundwater from MW-107 not analyzed due to presence of DNAPL measured in the well on 5/16/2019. DNAPL Sample collected for fingerprint analysis.	X		X		X	X	X	X		
SB-113	Southwest of the Metro-North substation building, downgradient and west of the former gas holders and in area of former oil tanks	SB-113 (2.5-3.0)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X		
		SB-113 (9.0-9.5)	Evaluate soil quality at the groundwater table/high PID readings with petroleum-like sheen.	X				X	X	X	X		
		SB-113 (18.0-18.5)	Evaluate soil quality at the depth with highest degree of impacts (NAPL saturation).	X				X	X	X	X		
		SB-113 (19.5-20.0)	Evaluate soil quality above refusal (likely bedrock).	X				X	X	X	X		
SB-114	South-southeast of the Greyston Bakery building, downgradient and west of the former gas holders and in area of former oil tanks	SB-114 (9.5-10.0)	Evaluate soil quality at the depth with the highest PID reading and naphthalene-like odors.	X				X	X	X	X		

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				Soil	Groundwater	NAPL	Soil Vapor						
SB-115/SV-104	South of the Greyston Bakery building, downgradient and west of the former gas holders and in area of former oil tanks	SB-115 (2.5-3.0)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X		
		SV-104	Evaluate soil vapor quality within the subsurface.				X						X
SB-116	Southwest of the Metro-North substation building, downgradient and west of the former gas holders and in area of former oil tanks.	SB-116 (3.5-4.0)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X		
		SB-116 (12.0-12.5)	Evaluate soil quality at the depth with the highest PID reading and petroleum-like odors.	X				X	X	X	X		
SB-117/MW-108	East-northeast of the Greyston Bakery building, downgradient and west of the former gas holders and in area of former coal pile.	SB-117 (4.0-4.5)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X		
		SB-117 (8.5-9.0)	Evaluate soil quality at the groundwater table.	X				X	X	X	X		
		SB-117 (22.0-22.5)	Evaluate soil quality at the depth with highest degree of impacts (NAPL saturation).	X				X	X	X	X		
		SB-117 (24.0-24.5)	Evaluate soil quality above peat refusal.	X				X	X	X	X		
		MW-108	Groundwater from MW-108 not analyzed due to presence of DNAPL and LNAPL measured in the well on 7/24/2019. DNAPL Sample collected for fingerprint analysis.	X		X							
SB-118/ SB-118 Alternate	West of the Metro-North substation building, downgradient of former gas holders and within the footprint of the former purifying house.	SB-118 (3.5-4.0)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X		
		SB-118 (9.0-9.5)	Evaluate soil quality at the depth with highest degree of impacts (NAPL saturation and PID readings).	X				X	X	X	X		
		SB-118 (9.0-9.5)	Evaluate soil quality at the depth with highest degree of impacts (NAPL saturation and PID readings).	X				X	X	X	X		
		SB-118 (19.5-20)	Evaluate soil quality above refusal (likely bedrock).	X				X	X	X	X		
SB-119	West of the Metro-North substation building, downgradient of former gas holders and within the area where tar barrels were stored.	SB-119 (17.0-17.5)	Evaluate soil quality at depth where elevated PID reading and NAPL coated soils was observed.	X				X	X	X	X		
		SB-119 (23.5-24.0)	Evaluate soil quality at depth where highest PID readings and NAPL coated soils and lenses were observed.	X				X	X	X	X		
SB-120/MW-109/SV-103	Southwest corner of the Site near the corner of Ashburton Avenue and Alexander Street, downgradient of former MGP structures.	SB-120 (4.0-4.5)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X		
		SB-120 (5.0-5.5)	Evaluate soil quality at the groundwater table with high PID readings and petroleum-like odors.	X				X	X	X	X		
		SB-120 (17.0-17.5)	Evaluate soil quality within the peat stratigraphic unit.	X				X	X	X	X		
		SB-120 (24.5-25.0)	Evaluate soil quality at the bottom of the organic soil unit.	X				X	X	X	X		
		SB-120 (53.0-53.5)	Evaluate soil immediately above the clay unit near the bottom of the boring.	X				X	X	X	X		
		SV-103	Evaluate soil vapor quality within the subsurface.				X						X
		MW-109	Evaluate groundwater quality of the shallow, overburden aquifer.		X			X	X	X	X		

Table 1. Sample Location And Collection Rationale Summary
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample I.D.	Sample Location	Sample ID and Depth (feet below ground surface)	Sample Rationale	Sample Media Collected and Analyzed				VOCs (EPA 8260B)	SVOCs (EPA 8270C)	TAL Metals (6000/7000)	Cyanide[1]	DRO/GRO	VOC's (TO-15)
				Soil	Groundwater	NAPL	Soil Vapor						
SB-121/MW-110	Southwest of the Greyston Bakery building, downgradient of former MGP structures.	SB-121 (13.0-13.5)	Evaluate soils at depth with of petroleum-like impacts.	X				X	X	X	X		
		SB-121 (18.0-18.5)	Evaluate soils at depth with highest degree of impacts (NAPL coated soils and highest PID readings).	X				X	X	X	X		
		SB-121 (54.5-55.0)	Evaluate soil quality above clay refusal.	X				X	X	X	X		
		MW-110	Evaluate groundwater quality of the shallow, overburden aquifer.		X			X	X	X	X		
SB-122/MW-111/SV-101	Northwest of the Greyston Bakery building, downgradient of former MGP structures.	SB-122 (17.0-17.5)	Evaluate soil quality at the depth with highest degree of impacts(highest PID readings and NAPL saturated soil).	X				X	X	X	X		
		SB-122 (19.5-20.0)	Evaluate soil quality of impacted (NAPL coated) organic soil unit.	X				X	X	X	X		
		SB-122 (39.0-39.5)	Evaluate soil quality above clay refusal.	X				X	X	X	X		
		SV-101	Evaluate soil vapor quality within the subsurface.				X						X
		MW-111	Evaluate groundwater quality of the shallow, overburden aquifer.		X			X	X	X	X		
SB-123/TP-104	Adjacent to Ashburton Avenue, downgradient of former Gas Holder No. 2 and former generator retort building.	SB-123 (6.5-7.0)	Evaluate soil quality of with highest degree of impacts (petroleum-like odor).	X				X	X	X	X		
SB-124	Near corner of Woodworth Avenue and Ashburton Avenue, upgradient to sidegradient of Gas Holder No. 2.	SB-124 (9.0-9.5)	Evaluate soil quality at depth with highest degree of impacts (highest PID readings and NAPL coated soil).	X				X	X	X	X		
		SB-124 (34.0-34.5)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
SB-125/MW-106	Adjacent to Ashburton Avenue, downgradient of former Gas Holder No. 2 and former generator retort building	SB-125 (4.5-5)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X		
		SB-125 (19.5-20)	Evaluate soil quality at depth.	X				X	X	X	X		
		SB-125 (33.0-33.5)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
		MW-106	Groundwater from MW-106 not analyzed due to presence of DNAPL measured in the well on 7/24/2019.										
SB-126/MW-112	North of the Metro-North substation building, downgradient of the former Gas Holders No. 1 and 3.	SB-126 (4.5-5.0)	Evaluate soil quality with high PID reading and highest degree of petroleum-like impacts.	X				X	X	X	X		
		SB-126 (7.0-7.5)	Evaluate soil quality with high PID reading and highest degree of petroleum-like impacts.	X				X	X	X	X		
		SB-126 (21.0-21.5)	Evaluate soil quality at depth with highest degree of impacts in clay unit (highest PID readings and NAPL coated soil).	X				X	X	X	X		
		SB-126 (46.5-47.0)	Evaluate soil quality at depth with NAPL coating.	X				X	X	X	X		
		SB-126 (49.0-49.5)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
		MW-112	Evaluate groundwater quality of the shallow, overburden aquifer.		X			X	X	X	X		

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Sample I.D.	Sample Location	Sample ID and Depth (feet below ground surface)	Sample Rationale	Sample Media Collected and Analyzed				VOCs (EPA 8260B)	SVOCs (EPA 8270C)	TAL Metals (6000/7000)	Cyanide[1]	DRO/GRO	VOC's (TO-15)
				Soil	Groundwater	NAPL	Soil Vapor						
SB-127	West of the Metro-North substation building, downgradient of former gas holders and within the footprint of the former purifying house.	SB-127 (6.0-6.5)	Evaluate soil quality with highest PID readings and NAPL coating.	X				X	X	X	X		
		SB-127 (38.0-38.5)	Evaluate soil quality above clay unit.	X				X	X	X	X		
		SB-127 (59.5-60.0)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
SB-128	Southwest of the Metro-North substation building, downgradient and west of the former gas holders and in area of former oil tanks.	SB-128 (9.0-9.5)	Evaluate soil quality with strong naphthalene-like odors and NAPL saturated wood piles.	X				X	X	X	X		
		SB-128 (17.5-18.0)	Evaluate soil quality above peat unit.	X				X	X	X	X		
		SB-128 (46.5-47.0)	Evaluate soil quality above clay unit.	X				X	X	X	X		
		SB-128 (79.0-79.5)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
SB-129	South of the Greyston Bakery building, downgradient and west of the former gas holders and former oil tanks.	SB-129 (5.0-5.5)	Evaluate quality of soil with NAPL coating and strong naphthalene-like odor.	X				X	X	X	X		
		SB-129 (16.0-16.5)	Evaluate soil quality above clay unit with impacts (NAPL saturated, elevated PID readings, and strong naphthalene-like odor).	X				X	X	X	X		
		SB-129 (83.0-83.5)	Evaluate soil quality above bedrock refusal.	X				X	X	X	X		
SB-130/MW-113	West of the Greyston Bakery building, downgradient of former MGP structures.	SB-130 (5.0-5.5)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X		
		SB-130 (9.5-10.0)	Evaluate quality of soil with NAPL saturated impacts.	X				X	X	X	X		
		SB-130 (16.5-17.0)	Evaluate soil quality above clay unit with impacts (NAPL saturated and strong naphthalene-like odor).	X				X	X	X	X		
		SB-130 (56.5-57.0)	Evaluate quality of deep soil in clay unit.	X				X	X	X	X		
		SB-130 (89.0-89.5)	Evaluate soil quality of deepest impacts (NAPL coated lenses and strong naphthalene-like odor.	X				X	X	X	X		
		SB-130 (94.0-94.5)	Evaluate soil quality above bedrock refusal with impacts (NAPL coated soil and strong naphthalene-like odor).	X				X	X	X	X		
		MW-113	Evaluate groundwater quality of the shallow, overburden aquifer.	X				X	X	X	X		
SB-131	West of the Greyston Bakery building, downgradient of former MGP structures.	SB-131 (5.0-5.5)	Evaluate quality of the shallow subsurface soil.	X				X	X	X	X		
		SB-131 (15.5-16.0)	Evaluate soil quality at the depth with greatest degree of impacts (highest PID readings and NAPL saturated soil).	X				X	X	X	X		
		SB-131 (17.0-17.5)	Evaluate soil quality at the depth with elevated PID readings and moderate naphthalene-like odor.	X				X	X	X	X		
		SB-131 (88.0-88.5)	Evaluate deep soil quality with high PID readings and NAPL saturated soil.	X				X	X	X	X		
		SB-131 (94.0-94.5)	Evaluate soil quality above bedrock refusal with impacts (NAPL coated soil and strong naphthalene-like odor).	X				X	X	X	X		
SV-102	West of the Greyston Bakery building, downgradient of former MGP structures.	SV-102	Evaluate soil vapor quality within the subsurface.				X						X
SV-105	119 Woodworth Avenue, Immediately upgradient from Gas Holder No. 1	SV-105	Evaluate soil vapor quality within the subsurface.				X						X

Table 1. Sample Location And Collection Rationale Summary
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample I.D.	Sample Location	Sample ID and Depth (feet below ground surface)	Sample Rationale	Sample Media Collected and Analyzed				VOCs (EPA 8260B)	SVOCs (EPA 8270C)	TAL Metals (6000/7000)	Cyanide[1]	DRO/GRO	VOC's (TO-15)
				Soil	Groundwater	NAPL	Soil Vapor						
SV-106	119 Woodworth Avenue, side gradient and immediately south of Gas Holder No. 1.	**SV-106**	Evaluate soil vapor quality within the subsurface.				X						*
SV-108	95 Woodworth Avenue, immediately adjacent to the northeast footprint of Gas Holder No. 2.	**SV-108**	Evaluate soil vapor quality within the subsurface.				X						X
SV-109	95 Woodworth Avenue, downgradient of footprint of Gas Holder No. 2.	**SV-109**	Evaluate soil vapor quality within the subsurface.				X						X
SV-110	Near corner of Woodworth Avenue and Ashburton Avenue, upgradient to sidegradient of Gas Holder No. 2.	**SV-110**	Evaluate soil vapor quality within the subsurface.				X						X
TP-101	Within Gas Holder Number 1.	**NONE**	Determine the presence of former MGP structures within the subsurface										
TP-102	Within Gas Holder/ Tar Tank Number 2.	**TP-102 (6.5-7.0)**	Determine the presence of former MGP structures,	X				X	X	X	X	X	
TP-103	Downgradient of Holder Number 3.	**TP-103 (3.0)**	Determine the presence of former MGP structures,	X				X	X	X	X		
		TP-103 (6.5)	Determine the presence of former MGP structures,	X				X	X	X	X	X	
TP-105	North of the 1896 Purifying House	**NONE**	Determine the presence of former MGP structures										

Notes:
Chemical analysis test methods specified are from U.S. EPA SW-846 test methods
EPA - United States Environmental Protection Agency
VOC - volatile organic compounds
SVOC - semivolatile organic compounds
TAL - target analyte list
GRO - gasoline range organics
DRO - diesel range organics
bgs - below ground surface
[1]-Soils were analyzed by Free Cyanide EPA Method 9016, water was analyzed by Total Cyanide EPA Method 9012B
*-SV-106 was installed and sampled on July 31, 2019. However, SV-106 was not analyzed due to low pressure and insufficient sample when received by the lab.

Table 2. Soil Vapor/Air Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, New York

Sample Name Sample Date	SV-101 4/25/2019	SV-102 4/19/2019	SV-103 4/19/2019	SV-104 4/19/2019	Duplicate of SV-104 4/19/2019	SV-105 7/23/2019	SV-108 7/23/2019	SV-109 7/25/2019	SV-109 7/31/2019	Duplicate of SV-109 7/31/2019	SV-110 7/23/2019	AA-20190723 7/23/2019
BTEX (ug/m^3)												
Benzene	**1.9**	**2.3**	**2.1**	**1.5**	**1.5**	**1.3 J**	**1.4**	**1.3**	**3.8 J**	**11 J**	**1.5**	**0.77**
Toluene	**3.4**	**15**	**14**	**12**	**11**	**4.5**	**5.9**	**3.7**	**12 J**	**34 J**	**9.3**	**4.5**
Ethylbenzene	**1.1**	**3.6**	**3.5**	**4.3**	**4.4**	**3.3 J**	**5.3**	**0.36 J**	**3.8 J**	**6.7 J**	**5**	**2.2**
o-Xylene	**1.4**	**4.8**	**4.4**	**5.1**	**5.1**	**2.9 J**	**4.5**	**1.2**	**4.3**	**5.7**	**5.2**	**2.2**
m/p-Xylene	**3.9**	**13**	**12**	**16**	**16**	**8.5**	**14**	**3.4**	**11 J**	**17 J**	**15**	**6.1**
Other VOCs (ug/m^3)												
Bromomethane	0.31 U	1.6 U	1.6 U	1.6 U	1.6 U	3.1 U	0.31 U	0.4 U	**0.099 J**	**0.11 J**	**0.22 J**	**0.095 J**
Butane	**7.2**	**6.9**	**3.8**	**7.5**	**7.1**	**3.6 J**	**8.4**	**5.7**	**2.8 J**	**1.6 J**	**1.2**	**14**
Carbon tetrachloride	**0.29 J**	2.5 U	2.5 U	2.5 U	2.5 U	**4.1 J**	**3.5**	**0.38 J**	**0.43 J**	**0.85**	**6.5**	**0.43 J**
Chlorobenzene	**0.1 J**	1.8 U	1.8 U	1.8 U	1.8 U	3.7 U	**0.14 J**	**0.17 J**	**0.036 J**	**0.064 J**	**0.15 J**	**0.09 J**
Chloroethane	**0.18 J**	1.1 U	1.1 U	1.1 U	1.1 U	2.1 U	**0.33**	0.27 U	**0.12 J**	**0.41 J**	**0.25**	0.21 U
Chloroform (Trichloromethane)	**0.4**	**0.38 J**	**0.89 J**	**1.3 J**	**1.3 J**	**63**	**3.5**	**0.27 J**	**0.43 J**	**3 J**	**8.3**	**0.1 J**
Chloromethane	**0.72**	**1.4 J**	**1.7 J**	**1.6 J**	**2.2 J**	4.1 U	**0.99 J**	**1.2**	**1.7 J**	**5.1 J**	**3.3**	**1.3**
Cryofluorane (Freon 114)	0.56 UJ	2.8 U	2.8 U	2.8 U	2.8 U	5.6 U	**0.11 J**	0.73 U	**0.1 J**	0.56 U	**0.11 J**	**0.1 J**
n-Decane (C10)	**2.2 J**	**34**	**27**	**110**	**94**	**29**	**39**	**2.9 J**	**39**	**37 J**	**42**	**31**
1,2-Dichlorobenzene (o-DCB)	0.48 U	2.4 U	2.4 U	2.4 U	2.4 U	4.8 U	**0.97**	0.63 U	**0.53**	**0.32 J**	**0.96**	**0.87**
1,3-Dichlorobenzene (m-DCB)	**2.7**	**6.3**	**6.9**	**14 J**	**9.8 J**	**2.3 J**	**2.8**	**0.24 J**	**0.35 J**	**0.66**	**1.4**	**1.7**
1,4-Dichlorobenzene (p-DCB)	0.48 U	2.4 U	2.4 U	2.4 U	2.4 U	4.8 U	**0.13 J**	0.63 U	0.48 U	**0.13 J**	**0.1 J**	**0.1 J**
Dichlorodifluoromethane (Freon 12)	**0.86 J**	**2.2**	**2.3**	**2.2**	**2.1**	**9.6**	**1.2**	**1**	**1.1**	**1.1**	**1.4**	**1.2**
1,1-Dichloroethane	0.32 U	1.6 U	1.6 U	1.6 U	1.6 U	3.2 U	**0.19 J**	0.42 U	**0.1 J**	**0.071 J**	**0.065 J**	0.32 U
1,2-Dichloroethane	0.32 U	1.6 U	1.6 U	1.6 U	1.6 U	3.2 U	**1.2**	**0.27 J**	**0.37**	**0.15 J**	**0.89**	**0.28 J**
1,1-Dichloroethene	0.32 U	1.6 U	1.6 U	1.6 U	1.6 U	3.2 U	0.32 U	0.41 U	0.32 U	0.32 U	**0.04 J**	0.32 U
cis-1,2-Dichloroethene	0.32 U	1.6 U	1.6 U	1.6 U	1.6 U	3.2 U	0.32 U	**3.5**	**3.1 J**	**1.6 J**	**0.08 J**	**0.11 J**
1,2-Dichloropropane	0.37 U	1.8 U	1.8 U	1.8 U	1.8 U	**16**	**0.18 J**	**0.1 J**	**0.14 J**	**0.1 J**	**0.96**	**0.056 J**
2,3-Dimethylpentane	**0.12 J**	**2.2**	**21**	**5.4**	**5.7**	3.3 U	**0.74**	**0.53**	**13 J**	**2.5 J**	**0.77**	**0.4**
n-Dodecane (C12)	**2.6 J**	**3.3 J**	**3 J**	**1.9 J**	14 U	**4.5 J**	**7.3**	3.6 U	**14 J**	**9.8 J**	**6.8**	**7.3**
n-Heptane (C7)	**1.3**	**3.9 J**	**3.3 J**	**2.4 J**	**2.2 J**	**0.67 J**	**0.91**	**0.71 J**	**2.5**	**2.7**	**1.1**	**0.91**
n-Hexane (C6)	**1.8**	**4.7**	**4.3**	**2.8 J**	**2.7 J**	7 U	**1.1**	**2.1**	**2.2**	**2.3**	**1**	**4.7**
Indane	**0.21 J**	1.9 U	1.9 U	1.9 U	1.9 U	3.9 U	**0.3 J**	**0.36 J**	**0.41**	**0.34 J**	**0.37 J**	**0.33 J**
Indene	0.76 U	3.8 U	3.8 U	3.8 U	3.8 U	7.6 U	0.76 U	0.99 U	0.76 U	**0.2 J**	0.76 U	0.76 U
Isopropylbenzene	**0.16 J**	**0.59 J**	3.9 U	3.9 U	3.9 U	7.9 U	**0.4 J**	**0.13 J**	**0.4 J**	**0.41 J**	**0.48 J**	**0.29 J**
2-Methylbutane (Isopentane)	**1.9**	**6.5**	**11**	**26**	**26**	**2.9 J**	**1.8**	**6.9**	**2.4**	**3**	**0.54 J**	**13**
Methylene chloride	**1.9**	**2.9 J**	**3.2 J**	**2.8 J**	**3.4 J**	**6.1 J**	**12**	**1.5 J**	1.4 UJ	**3.9 J**	**2.6**	**23**
2-Methylpentane	**0.43**	**3.5**	**4.9**	**7.2**	**7**	2.8 U	**0.68**	**2.2**	**3.2 J**	**1.3 J**	**0.61**	**2.6**
Naphthalene	**0.47 J**	5.2 U	5.2 U	5.2 U	5.2 U	10 U	**0.85 J**	1.4 U	**0.56 J**	**0.69 J**	**0.95 J**	**0.93 J**
n-Nonane (C9)	**1.4**	**3.2 J**	**3.2 J**	**2.9 J**	**3 J**	**12 J**	**4.1**	**0.2 J**	**2.1 J**	**7.9 J**	**8.8 J**	**1.9**
n-Octane (C8)	**1.2**	**2.7 J**	**2.5 J**	**2.1 J**	**2.2 J**	**1.4 J**	**2.3**	**0.65 J**	**9 J**	**2 J**	**2.7**	**1.2**
Pentane	**4.1**	**6.1**	**6.4**	**5.1 J**	**4.7 J**	12 U	**1.7**	**4.6**	**2**	**2**	**0.9 J**	**7.9**
Styrene	**0.59**	**0.6 J**	**0.55 J**	**0.52 J**	1.7 U	**1.6 J**	**3.1**	**0.13 J**	**1.7 J**	**1.6 J**	**3.1**	**1.7 J**
Tetrachloroethene (PCE)	**0.78**	**4.8**	**5.1**	**1.6 J**	**3.6**	**490**	**11**	**2.3**	**11**	**10**	**71**	**0.38 J**
1,1,1-Trichloroethane (TCA)	0.44 U	2.2 U	2.2 U	2.2 U	2.2 U	**23**	**3**	0.57 U	**4 J**	**6.4 J**	**35**	0.44 U
Trichloroethene (TCE)	0.21 U	1.1 U	**0.77 J**	1.1 U	1.1 U	**310**	**0.15 J**	**0.27 J**	**1.7 J**	**0.58 J**	**31**	**0.083 J**
Trichlorofluoromethane (Freon 11)	**4**	**1.3 J**	**2.1 J**	**1.3 J**	**1.4 J**	**3 J**	**1.7**	**1.3**	**7.3**	**7.5**	**9.7**	**1.7**
Trichlorotrifluoroethane	**0.53 J**	**0.49 J**	**0.53 J**	3.1 U	**0.47 J**	**1.3 J**	**0.47 J**	**0.45 J**	**0.64**	**0.62**	**0.82**	**0.43 J**
1,2,3-Trimethylbenzene	**0.23 J**	2 U	2 U	2 U	2 U	3.9 U	**1.9**	**0.45 J**	**1.7**	**1.3**	**1.9**	**1.6**
1,2,4-Trimethylbenzene	**0.72**	**4.1**	**3.6**	**4.1**	**2.9**	**3.1 J**	**3.7**	**0.96**	**4**	**3.4**	**4**	**3.2**
1,3,5-Trimethylbenzene	**0.2 J**	**1.5 J**	**1.1 J**	**1.4 J**	**1.2 J**	3.9 UJ	**1.2 J**	**0.59 J**	**1.1**	**1**	**1 J**	**1 J**
2,2,4-Trimethylpentane (iso-Octane)	**0.2 J**	**6.1**	**6.7**	**3.2 J**	**3.7 J**	9.3 U	**0.28 J**	**0.88 J**	**7**	**7.9**	**0.93**	**0.56 J**
n-Undecane (C11)	**1.6 J**	**4.1 J**	**2.8 J**	**4.5 J**	**1.9 J**	**12 J**	**18**	**1.4 J**	**17 J**	**11 J**	**18**	**16**
Vinyl chloride	0.1 U	0.51 U	0.51 U	0.51 U	0.51 U	1 U	0.1 U	**1**	**0.23 J**	**0.1 J**	0.1 U	0.1 U

Table 2. Soil Vapor/Air Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, New York

Notes:

ug/m^3 = micrograms per cubic meter
BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
VOC = Volatile Organic Compound
NA = Not Analyzed

Bolding indicates a detected result concentration

1,2,3,4-Tetramethylbenzene and 1,2,3,5-Tetramethylbenzene are reported as Tentatively Identified Compounds

Validation Qualifiers:

J = The result is an estimated value.
U = The result was not detected above the reporting limit.
UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated.

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-101 (9.5-10.0) 4/23/2019	SB-101 (18.0-18.5) 4/23/2019	SB-101 (24.5-25.0) 4/23/2019	SB-102 (18.5-19.0) 4/5/2019	SB-102 (22.0-22.5) 4/5/2019	SB-103 (4.5-5.0) 4/5/2019	SB-103 (9.5-10) 4/5/2019	SB-103 (18.5-19) 4/5/2019	SB-104 (11.5-12) 4/5/2019
BTEX (mg/kg)											
Benzene	0.06	89	0.00096 U	0.00086 U	0.00081 U	**0.00039 J**	**0.0011**	**0.1**	**0.3 J**	**2.2**	**0.017 J**
Toluene	0.7	1000	0.00096 U	0.00086 U	0.00081 U	0.001 U	0.00084 U	**0.082 J**	**0.77**	**6.2**	**0.0074 J**
Ethylbenzene	1	780	0.00096 U	0.00086 U	0.00081 U	0.001 U	**0.0012**	**2**	**43**	**31**	**0.21**
o-Xylene	0.26	1000	0.00096 U	0.00086 U	**9.2E-05 J**	0.001 U	**0.00045 J**	**0.42**	**61**	**16**	**0.036 J**
m/p-Xylene	0.26	1000	0.00096 U	0.00086 U	**0.00026 J**	**0.00022 J**	**0.00057 J**	**0.55**	**150**	**23**	**1.4**
Total BTEX (ND=0)	NE	NE	ND	ND	**0.000352**	**0.00061**	**0.00332**	**3.152**	**255.07**	**78.4**	**1.6704**
Other VOCs (mg/kg)											
Acetone	0.05	1000	0.0052 U	0.005 U	0.004 U	0.005 U	0.0042 U	0.49 U	2.4 U	0.53 U	0.0062 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	0.0096 U	0.0086 U	0.0081 U	0.01 U	0.0084 U	0.99 U	4.8 U	1.1 U	0.011 U
Carbon disulfide	NE	NE	0.00096 U	0.00086 U	0.00081 U	0.001 U	**0.00048 J**	**0.026 J**	0.48 U	**0.06 J**	0.0011 U
Carbon tetrachloride	0.76	44	0.0021 U	0.0014 U	0.0024 U	0.001 U	0.00084 U	0.099 U	0.48 U	0.11 U	0.0011 U
Chloroform (Trichloromethane)	0.37	700	**0.00067 J**	0.00086 U	0.00081 U	0.001 U	0.00084 U	0.099 U	0.48 U	0.11 U	0.0011 U
Cyclohexane	NE	NE	0.00096 U	0.00086 U	0.00081 U	0.001 U	0.00084 U	**0.43**	**1.4**	**0.085 J**	**0.0016**
1,2-Dichloroethane	0.02	60	0.00096 U	0.00086 U	0.00081 U	0.001 U	0.00084 U	0.099 U	0.48 U	0.11 U	0.0011 U
cis-1,2-Dichloroethene	0.25	1000	0.00096 U	0.00086 U	0.00081 U	0.001 U	0.00084 U	0.099 U	0.48 U	0.11 U	**0.0049**
Isopropylbenzene	NE	NE	0.00096 U	0.00086 U	0.00081 U	0.001 U	**0.00014 J**	**0.55**	**16**	**5.4**	**0.045**
Methyl acetate	NE	NE	0.0048 U	0.0043 U	0.004 U	0.005 U	0.0042 U	0.49 U	2.4 U	**0.073 J**	0.0054 U
Methyl ethyl ketone (2-Butanone)	0.12	1000	0.0054 U	0.0053 U	0.004 U	0.005 U	0.0042 U	0.49 U	2.4 U	0.53 U	0.0054 U
Methyl tert-butyl ether (MTBE)	0.93	1000	0.00096 U	0.00086 U	0.00081 U	0.001 U	0.00084 U	0.099 U	0.48 U	0.11 U	**0.00052 J**
Methylcyclohexane	NE	NE	0.00096 U	0.00086 U	0.00081 U	0.001 U	0.00084 U	**2.4**	**13**	**0.11**	**0.0064 J**
Methylene chloride	0.05	1000	0.00096 U	0.00086 U	0.00081 U	0.001 U	**0.00029 J**	0.099 U	0.48 U	0.11 U	**0.00023 J**
Styrene	NE	NE	0.00096 U	0.00086 U	0.00081 U	0.001 U	0.00084 U	0.099 U	0.48 U	0.11 U	0.0011 U
Tetrachloroethene (PCE)	1.3	300	**0.0019**	**0.00071 J**	**0.00042 J**	0.001 U	0.00084 U	0.099 U	0.48 U	0.11 U	0.0011 U
Trichloroethene (TCE)	0.47	400	**0.0012**	0.00086 U	0.00081 U	0.001 U	0.00084 U	0.099 U	0.48 U	0.11 U	0.0011 U
Total VOCs (ND=0)	NE	NE	**0.00377**	**0.00071**	**0.000772**	**0.00061**	**0.00423**	**6.558**	**285.47**	**84.128**	**1.72905**
PAHs (mg/kg)											
Acenaphthene	20	1000	**0.22 J**	0.37 U	0.37 U	0.4 U	0.35 U	**5.3**	**25**	**12**	0.39 U
Acenaphthylene	100	1000	**2 J**	0.37 U	0.37 U	0.4 U	0.35 U	**2**	**10 J**	**3.5 J**	0.39 U
Anthracene	100	1000	**0.81 J**	0.37 U	0.37 U	0.4 U	0.35 U	**2.5**	**13 J**	**6.2**	0.39 U
Benzo(a)anthracene	1	11	**3.2 J**	0.037 U	0.037 U	0.04 U	0.035 U	**3**	**9.3**	**3.1**	0.039 U
Benzo(b)fluoranthene	1	11	**4.1 J**	0.037 U	0.037 U	0.04 U	0.035 U	**3.7**	**5.4**	**1.6**	0.039 U
Benzo(k)fluoranthene	0.8	110	**1.6 J**	0.037 U	0.037 U	0.04 U	0.035 U	**1.2**	**1.7 J**	**0.66**	0.039 U
Benzo(g,h,i)perylene	100	1000	**1.9 J**	0.37 U	0.37 U	0.4 U	0.35 U	**2.2**	**1.6 J**	**0.82 J**	0.39 U
Benzo(a)pyrene	1	1.1	**3.8 J**	0.037 U	0.037 U	0.04 U	0.035 U	**3.2**	**6.1**	**2**	0.039 U
Chrysene	1	110	**3.1 J**	0.37 U	0.37 U	0.4 U	0.35 U	**3.1**	**9.2 J**	**3.1 J**	0.39 U
Dibenz(a,h)anthracene	0.33	1.1	**0.53 J**	0.037 U	0.037 U	0.04 U	0.035 U	**0.5**	1.9 U	**0.19 J**	0.039 U
Fluoranthene	100	1000	**4.6 J**	0.37 U	0.37 U	0.4 U	0.35 U	**5.8**	**14 J**	**5.3**	**0.028 J**
Fluorene	30	1000	**0.31 J**	0.37 U	0.37 U	0.4 U	0.35 U	**4.5**	**22**	**8.3**	0.39 U
Indeno(1,2,3-cd)pyrene	0.5	11	**2.1 J**	0.037 U	0.037 U	0.04 UJ	0.035 UJ	**2.7 J**	**2.4 J**	**0.82 J**	0.039 UJ
2-Methylnaphthalene	NE	NE	**0.23 J**	**0.029 J**	**0.0094 J**	0.4 U	0.35 U	**3.9**	**100**	**31**	0.39 U
Naphthalene	12	1000	**0.52**	**0.068 J**	**0.04 J**	0.4 U	0.35 U	**12**	**190**	**48**	0.39 U
Phenanthrene	100	1000	**2.4 J**	0.37 U	0.37 U	0.4 U	0.35 U	**11**	**55**	**20**	**0.054 J**
Pyrene	100	1000	**4.9 J**	0.37 U	0.37 U	0.4 U	0.35 U	**7**	**23**	**8.2**	**0.025 J**
Total PAH (17) (ND=0)	NE	NE	**36.32**	**0.097**	**0.0494**	ND	ND	**73.6**	**487.7**	**154.79**	**0.107**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-101 (9.5-10.0) 4/23/2019	SB-101 (18.0-18.5) 4/23/2019	SB-101 (24.5-25.0) 4/23/2019	SB-102 (18.5-19.0) 4/5/2019	SB-102 (22.0-22.5) 4/5/2019	SB-103 (4.5-5.0) 4/5/2019	SB-103 (9.5-10) 4/5/2019	SB-103 (18.5-19) 4/5/2019	SB-104 (11.5-12) 4/5/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	**0.075 J**	0.37 U	0.37 U	0.4 U	0.35 U	**0.2 J**	19 U	4.1 U	0.39 U
Benzaldehyde	NE	NE	0.38 U	0.37 U	0.37 U	0.4 U	0.35 U	**0.16 J**	19 U	**0.22 J**	0.39 U
Biphenyl (1,1-Biphenyl)	NE	NE	**0.045 J**	0.37 U	0.37 U	0.4 U	0.35 U	**0.75 J**	**8.9 J**	**2.5 J**	0.39 U
Bis(2-ethylhexyl)phthalate	NE	NE	0.38 U	0.37 U	0.37 U	0.4 U	0.35 U	0.78 U	19 U	4.1 U	0.39 U
Carbazole	NE	NE	**0.16 J**	0.37 U	0.37 U	0.4 UJ	0.35 UJ	**0.47 J**	**0.59 J**	**0.51 J**	0.39 UJ
2-Chloronaphthalene	NE	NE	0.38 U	0.37 U	0.37 U	0.4 U	0.35 U	0.78 U	19 U	4.1 U	0.39 U
2-Chlorophenol	NE	NE	0.38 U	0.37 U	0.37 U	0.4 U	0.35 U	0.78 U	19 U	4.1 U	0.39 U
Dibenzofuran	7	1000	**0.11 J**	0.37 U	0.37 U	0.4 U	0.35 U	**1.5**	19 U	**0.73 J**	0.39 U
2,4-Dimethylphenol	NE	NE	0.38 U	0.37 U	0.37 U	0.4 U	0.35 U	0.78 U	19 U	4.1 U	0.39 U
2,4-Dinitrotoluene	NE	NE	0.078 U	0.076 U	0.074 U	0.08 U	0.072 U	0.16 U	3.9 U	0.84 U	0.08 U
2-Methylnaphthalene	NE	NE	**0.23 J**	**0.029 J**	**0.0094 J**	0.4 U	0.35 U	**3.9**	**100**	**31**	0.39 U
2-Methylphenol (o-Cresol)	0.33	1000	0.38 U	0.37 U	0.37 U	0.4 U	0.35 U	0.78 U	19 U	4.1 U	0.39 U
4-Methylphenol (p-Cresol)	0.33	1000	**0.02 J**	0.37 U	0.37 U	0.4 U	0.35 U	0.78 U	19 U	4.1 U	0.39 U
N-Nitrosodiphenylamine (NDFA)	NE	NE	0.38 U	0.37 U	0.37 U	0.4 UJ	0.35 UJ	0.78 UJ	19 UJ	4.1 UJ	0.39 UJ
Pentachlorophenol	0.8	55	0.31 UJ	0.3 U	0.29 U	0.32 UJ	0.28 UJ	**0.51 J**	15 UJ	3.3 UJ	0.32 UJ
Phenol	0.33	1000	0.38 U	0.37 U	0.37 U	0.4 U	0.35 U	0.78 U	19 U	4.1 U	0.39 U
Total SVOCs (ND=0)	NE	NE	**36.73**	**0.097**	**0.0494**	ND	ND	**77.19**	**497.19**	**158.75**	**0.107**
Total Metals (mg/kg)											
Aluminum	NE	NE	**8080**	**7780**	**5430**	**10300**	**4180**	**8570**	**8080**	**10500**	**8620**
Antimony	NE	NE	**0.33 J**	0.91 UJ	0.75 UJ	0.96 UJ	0.81 UJ	**0.79 J**	0.92 UJ	1 UJ	0.86 UJ
Arsenic	13	16	**5.4**	**1.4**	**0.8**	**0.95 J**	**0.53 J**	**4**	**1.8**	**2.6**	**1.9**
Barium	350	10000	**225 J**	**49.1 J**	**31.4 J**	**68.5**	**20.1**	**128**	**44**	**68.1**	**55.4**
Beryllium	7.2	2700	**0.37**	**0.24 J**	**0.12 J**	**0.28 J**	0.32 U	**0.37 J**	**0.26 J**	**0.51**	**0.45**
Cadmium	2.5	60	0.83 U	0.91 U	0.75 U	0.96 U	0.81 U	**0.59 J**	0.92 U	1 U	0.86 U
Calcium	NE	NE	**7910**	**3220**	**2970**	**4380**	**5200**	**5790**	**1440**	**5710**	**3780**
Chromium	NE	NE	**23**	**26.4**	**10.4**	**24.5**	**9.6**	**29.9**	**17.6**	**22.6**	**25.4**
Cobalt	NE	NE	**7.6**	**7.7**	**4.7**	**8**	**3.7**	**7.6**	**7.1**	**7.9**	**8.4**
Copper	50	10000	**51.7**	**30.3**	**20.5**	**36.1 J**	**18.9 J**	**44.2 J**	**13.7 J**	**18.1 J**	**23.5 J**
Iron	NE	NE	**16900**	**14500**	**8170**	**13300**	**5610**	**17700**	**15100**	**17900**	**15900**
Lead	63	3900	**286**	**7.8**	**1.8**	**5.2 J**	**1.2 J**	**221 J**	**14.6 J**	**13 J**	**7.6 J**
Magnesium	NE	NE	**4270 J**	**4040 J**	**2200 J**	**3620 J**	**2980 J**	**4390 J**	**2600 J**	**4510 J**	**3960 J**
Manganese	1600	10000	**346 J**	**335 J**	**214 J**	**455**	**121**	**360**	**161**	**709**	**338**
Mercury	0.18	5.7	**3.6 J**	0.019 UJ	0.019 UJ	0.02 U	0.016 U	**1.3 J**	**0.019 J**	0.019 U	0.018 U
Nickel	30	10000	**20.8**	**21.5**	**12.4**	**24 J**	**11.2 J**	**18.8 J**	**16 J**	**19.2 J**	**20.6 J**
Potassium	NE	NE	**998**	**909**	**619**	**952**	**386**	**1220**	**905**	**1310**	**1400**
Selenium	3.9	6800	**0.38 J**	4.6 U	3.8 U	4.8 U	4 U	**0.36 J**	**0.28 J**	**0.51 J**	4.3 U
Silver	2	6800	0.83 U	0.91 U	0.75 U	0.96 U	0.81 U	0.97 U	0.92 U	1 U	0.86 U
Sodium	NE	NE	**700**	**445**	**472**	**813**	**604**	**360**	**196**	**299**	**228**
Thallium	NE	NE	**0.16 J**	0.37 U	0.3 U	0.38 U	0.32 U	**0.15 J**	0.37 U	0.4 U	**0.11 J**
Vanadium	NE	NE	**28.8**	**27.6**	**14.1**	**27.3 J**	**12.5 J**	**25.6 J**	**21.4 J**	**26.1 J**	**25.8 J**
Zinc	109	10000	**174 J**	**28.1 J**	**13.8 J**	**22.2**	**8.3**	**222**	**27.5**	**31.1**	**32.6**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ
Total Cyanide	27	10000	**0.15 J**	0.25 UJ	0.23 UJ	0.24 UJ	0.25 UJ	**0.27 J**	**0.13 J**	**0.15 J**	0.26 UJ
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	Duplicate of SB-104 (11.5-12) 4/5/2019	SB-104 (17.0-17.5) 4/5/2019	SB-105 (2.5-3.0) 3/27/2019	SB-105 (9.0-9.5) 4/8/2019	SB-105 (18.0-18.5) 4/8/2019	SB-105 (24.0-24.5) 4/8/2019	SB-105 (31.5-32.0) 4/8/2019	SB-106 (21.0-21.5) 4/8/2019	SB-106 (26.7-27.0) 4/8/2019
BTEX (mg/kg)											
Benzene	0.06	89	**0.0089 J**	**0.017**	180 U	**0.42 J**	**0.0014**	**8.3**	**0.051 J**	0.00098 U	**0.3**
Toluene	0.7	1000	**0.18 J**	**0.035**	**760**	**0.58 J**	**0.00071 J**	**20**	0.12 U	0.00098 U	**0.37**
Ethylbenzene	1	780	**0.27**	**0.16**	**12000**	**120**	**0.061**	**130**	**1.3**	**0.0024**	**2.3**
o-Xylene	0.26	1000	**0.18 J**	**0.058**	**18000**	**25**	**0.032**	**54**	**0.41**	**0.0022**	**0.32**
m/p-Xylene	0.26	1000	**0.88**	**0.13**	**44000**	**380**	**0.095**	**110**	**0.8**	**0.006**	**0.73**
Total BTEX (ND=0)	NE	NE	**1.5189**	**0.4**	**74760**	**526**	**0.19011**	**322.3**	**2.561**	**0.0106**	**4.02**
Other VOCs (mg/kg)											
Acetone	0.05	1000	0.0083 U	**0.015 J**	**1100**	4.7 U	**0.0078**	4.6 U	0.58 U	**0.0057**	0.5 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	0.011 U	**0.0067 J**	1800 U	9.4 U	0.01 U	9.1 U	1.2 U	0.0098 U	1 U
Carbon disulfide	NE	NE	0.0011 U	0.0011 U	180 U	0.94 U	0.001 U	0.91 U	0.12 U	0.00098 U	0.1 U
Carbon tetrachloride	0.76	44	0.0011 U	0.0011 U	180 U	0.94 U	0.001 U	0.91 U	0.12 UJ	0.00098 U	0.1 U
Chloroform (Trichloromethane)	0.37	700	0.0011 U	0.0011 U	180 U	0.94 U	0.001 U	0.91 U	0.12 U	0.00098 U	0.1 U
Cyclohexane	NE	NE	**0.0014**	0.0011 U	180 U	0.94 U	**0.0018**	0.91 U	0.12 UJ	0.00098 U	**0.34**
1,2-Dichloroethane	0.02	60	0.0011 U	0.0011 U	180 U	0.94 U	**0.00031 J**	0.91 U	0.12 U	0.00098 U	0.1 U
cis-1,2-Dichloroethene	0.25	1000	**0.0036**	0.0011 U	**220**	0.94 U	0.001 U	0.91 U	0.12 U	0.00098 U	0.1 U
Isopropylbenzene	NE	NE	**0.06**	**0.02**	**270**	**4.3**	**0.02**	**9.5**	**0.22**	**0.0008 J**	**0.65**
Methyl acetate	NE	NE	0.0054 U	0.0055 U	910 U	4.7 U	0.0052 U	4.6 U	0.58 U	0.0049 U	0.5 U
Methyl ethyl ketone (2-Butanone)	0.12	1000	**0.0023 J**	**0.0028 J**	910 U	4.7 U	0.0052 U	4.6 U	0.58 U	0.0049 U	0.5 U
Methyl tert-butyl ether (MTBE)	0.93	1000	**0.0002 J**	**0.0026**	180 U	0.94 U	0.001 U	0.91 U	0.12 U	0.00098 U	0.1 U
Methylcyclohexane	NE	NE	**0.016 J**	**0.0031**	**300**	**1.9**	**0.0036**	0.91 U	0.12 UJ	**0.0011**	**2.2**
Methylene chloride	0.05	1000	0.0011 U	**0.00037 J**	180 U	0.94 U	0.001 U	0.91 U	0.12 U	0.00098 U	0.1 U
Styrene	NE	NE	0.0011 U	0.0011 U	180 U	0.94 U	0.001 U	0.91 U	0.12 U	0.00098 U	0.1 U
Tetrachloroethene (PCE)	1.3	300	0.0011 U	0.0011 U	180 U	0.94 U	0.001 U	0.91 U	0.12 U	0.00098 U	0.1 U
Trichloroethene (TCE)	0.47	400	0.0011 U	0.0011 U	**280**	0.94 U	0.001 U	0.91 U	0.12 U	0.00098 U	0.1 U
Total VOCs (ND=0)	NE	NE	**1.6024**	**0.45057**	**76930**	**532.2**	**0.22362**	**331.8**	**2.781**	**0.0182**	**7.21**
PAHs (mg/kg)											
Acenaphthene	20	1000	0.41 U	0.43 U	**0.97 J**	**1.4 J**	**0.13 J**	**71**	**5.4**	**0.12 J**	**0.75 J**
Acenaphthylene	100	1000	0.41 U	0.43 U	**1.2 J**	**2.9**	**0.065 J**	**48**	**1.3 J**	**0.35 J**	**0.18 J**
Anthracene	100	1000	**0.032 J**	0.43 U	9.4 U	**4.4**	**0.36 J**	**44**	**2.3**	**0.35 J**	**0.49**
Benzo(a)anthracene	1	11	**0.061**	0.043 U	**0.72 J**	**8.8**	**0.83**	**26**	**1.3**	**0.87**	**0.59**
Benzo(b)fluoranthene	1	11	**0.059**	**0.026 J**	**0.72 J**	**11**	**1.2**	**17**	**0.72**	**1.2**	**0.64**
Benzo(k)fluoranthene	0.8	110	0.041 U	0.043 U	**0.22 J**	**3.4**	**0.74**	**5.1**	0.19 U	**0.55**	**0.32**
Benzo(g,h,i)perylene	100	1000	**0.035 J**	0.43 U	**0.69 J**	**4.8**	**0.53**	**8.5 J**	**0.29 J**	**0.63**	**0.26 J**
Benzo(a)pyrene	1	1.1	**0.044**	0.043 U	0.94 U	**8.5**	**1**	**20**	**0.97**	**1.1**	**0.59**
Chrysene	1	110	**0.05 J**	**0.026 J**	**0.88 J**	**8.2**	**0.83**	**26 J**	**1.3 J**	**1**	**0.59**
Dibenz(a,h)anthracene	0.33	1.1	0.041 U	0.043 U	0.94 U	**1.3**	**0.16**	**2 J**	0.19 U	**0.16**	**0.085**
Fluoranthene	100	1000	**0.14 J**	**0.063 J**	**1.3 J**	**15**	**1.2**	**51**	**2.3**	**1.6**	**1.1**
Fluorene	30	1000	**0.019 J**	**0.019 J**	**1.9 J**	**3.3**	**0.16 J**	**60**	**3.8**	**0.22 J**	**0.66**
Indeno(1,2,3-cd)pyrene	0.5	11	**0.038 J**	0.043 UJ	0.94 U	**6.7 J**	**0.61**	**9.7 J**	**0.36 J**	**0.58**	**0.27**
2-Methylnaphthalene	NE	NE	0.41 U	**0.014 J**	**34**	**3.4**	**2**	**250**	**17**	**0.3 J**	**1.6**
Naphthalene	12	1000	**0.025 J**	**0.047 J**	**49**	**2.4**	**3.3**	**660**	**32**	**0.64**	**4.3**
Phenanthrene	100	1000	**0.11 J**	**0.079 J**	**6.2 J**	**16**	**1.3**	**170**	**9.1**	**1.2**	**1.9**
Pyrene	100	1000	**0.13 J**	**0.066 J**	**2.8 J**	**15**	**1.1**	**76**	**3.3**	**1.9**	**1.3**
Total PAH (17) (ND=0)	NE	NE	**0.743**	**0.34**	**100.6**	**116.5**	**15.515**	**1544.3**	**81.44**	**12.77**	**15.625**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	Duplicate of SB-104 (11.5-12) 4/5/2019	SB-104 (17.0-17.5) 4/5/2019	SB-105 (2.5-3.0) 3/27/2019	SB-105 (9.0-9.5) 4/8/2019	SB-105 (18.0-18.5) 4/8/2019	SB-105 (24.0-24.5) 4/8/2019	SB-105 (31.5-32.0) 4/8/2019	SB-106 (21.0-21.5) 4/8/2019	SB-106 (26.7-27.0) 4/8/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	0.41 U	0.43 U	9.4 U	**2.1**	**0.095 J**	40 U	1.9 U	**0.069 J**	**0.087 J**
Benzaldehyde	NE	NE	0.41 U	0.43 U	9.4 U	1.9 U	0.41 UJ	40 U	1.9 U	0.39 UJ	0.39 UJ
Biphenyl (1,1-Biphenyl)	NE	NE	0.41 U	0.43 U	**1.2 J**	**0.95 J**	**0.087 J**	**27 J**	**1.4 J**	**0.047 J**	**0.18 J**
Bis(2-ethylhexyl)phthalate	NE	NE	0.41 U	0.43 U	**1.6 J**	**0.21 J**	0.41 U	40 U	1.9 U	0.39 U	**0.054 J**
Carbazole	NE	NE	**0.012 J**	0.43 UJ	9.4 U	**0.91 J**	**0.051 J**	**1.4 J**	**0.063 J**	**0.062 J**	**0.029 J**
2-Chloronaphthalene	NE	NE	0.41 U	0.43 U	9.4 U	1.9 U	0.41 U	40 U	1.9 U	0.39 U	0.39 U
2-Chlorophenol	NE	NE	0.41 U	0.43 U	9.4 U	1.9 U	0.41 U	40 U	1.9 U	0.39 U	0.39 U
Dibenzofuran	7	1000	**0.014 J**	0.43 U	**0.51 J**	**2.1**	**0.11 J**	**5.1 J**	**0.42 J**	**0.11 J**	**0.082 J**
2,4-Dimethylphenol	NE	NE	0.41 U	0.43 U	**3.4 J**	1.9 U	0.41 U	40 U	1.9 U	0.39 U	0.39 U
2,4-Dinitrotoluene	NE	NE	0.082 U	0.088 U	1.9 U	0.39 U	0.083 U	8.2 U	0.38 U	0.079 U	0.078 U
2-Methylnaphthalene	NE	NE	0.41 U	**0.014 J**	**34**	**3.4**	**2**	**250**	**17**	**0.3 J**	**1.6**
2-Methylphenol (o-Cresol)	0.33	1000	0.41 U	0.43 U	9.4 U	1.9 U	0.41 U	40 U	1.9 U	0.39 U	0.39 U
4-Methylphenol (p-Cresol)	0.33	1000	0.41 U	0.43 U	9.4 U	1.9 U	0.41 U	40 U	1.9 U	**0.0088 J**	0.39 U
N-Nitrosodiphenylamine (NDFA)	NE	NE	0.41 UJ	0.43 UJ	9.4 U	1.9 UJ	0.41 U	40 UJ	1.9 UJ	0.39 U	0.39 U
Pentachlorophenol	0.8	55	0.33 UJ	0.35 UJ	7.6 UJ	1.6 UJ	0.33 U	32 UJ	1.5 UJ	0.31 U	0.31 U
Phenol	0.33	1000	0.41 U	0.43 U	**0.87 J**	1.9 U	0.41 U	40 U	1.9 U	0.39 U	0.39 U
Total SVOCs (ND=0)	NE	NE	**0.769**	**0.34**	**108.18**	**122.77**	**15.858**	**1577.8**	**83.323**	**13.0668**	**16.057**
Total Metals (mg/kg)											
Aluminum	NE	NE	**9070**	**11100**	**5490**	**9740**	**11700**	**10100**	**8610**	**6670**	**7210**
Antimony	NE	NE	0.91 UJ	1 UJ	**47.8 J**	0.94 UJ	0.85 UJ	0.85 UJ	1.1 UJ	**0.54 J**	**0.5 J**
Arsenic	13	16	**2.1**	**2.7**	**1.5**	**3.7**	**3.3**	**3.5**	**1.4**	**12.5**	**7.3**
Barium	350	10000	**59.7**	**63**	**882**	**70.9**	**70.1**	**56.3**	**62.8**	**161**	**137**
Beryllium	7.2	2700	**0.54**	**0.75**	0.55 U	**0.37 J**	**0.86**	**0.59**	**0.2 J**	**0.6**	**0.4**
Cadmium	2.5	60	0.91 U	1 U	**0.79 J**	0.94 U	0.85 U	0.85 U	1.1 U	**0.33 J**	**0.38 J**
Calcium	NE	NE	**4480**	**2930**	**27400**	**1470**	**1770**	**1150**	**1930**	**8020**	**10800**
Chromium	NE	NE	**23**	**27.8**	**7490**	**26.6**	**32**	**29.5**	**20.6**	**25.7**	**25.4**
Cobalt	NE	NE	**8.8**	**9.7**	**55.6**	**7.1**	**9.3**	**8.1**	**7.8**	**7.5**	**5.6**
Copper	50	10000	**23 J**	**23.4 J**	**82.4 J**	**33.6 J**	**27.1 J**	**19.2 J**	**32 J**	**40.6 J**	**31.3 J**
Iron	NE	NE	**17300**	**21100**	**15400**	**16500**	**25100**	**17900**	**12300**	**24000**	**16400**
Lead	63	3900	**11.6 J**	**15 J**	**42800 J**	**179 J**	**15.7 J**	**8.4 J**	**3.1 J**	**207 J**	**825 J**
Magnesium	NE	NE	**4360 J**	**4650 J**	**2290 J**	**3170 J**	**3960 J**	**2950 J**	**3260 J**	**3300 J**	**3860 J**
Manganese	1600	10000	**373**	**391**	**111**	**157 J**	**243 J**	**262 J**	**257 J**	**193 J**	**199 J**
Mercury	0.18	5.7	**0.019 J**	**0.033 J**	**17.7 J**	**0.39 J**	**0.024 J**	**0.021 J**	0.018 U	**2.3 J**	**2 J**
Nickel	30	10000	**20.6 J**	**22.8 J**	**5.9 J**	**18.6 J**	**23.5 J**	**17.2 J**	**19 J**	**18.2 J**	**15 J**
Potassium	NE	NE	**1710**	**2010**	**482**	**1260**	**1520**	**1350**	**898**	**781**	**896**
Selenium	3.9	6800	4.5 U	5.2 U	6.9 U	**0.72 J**	4.2 U	4.2 U	5.6 UJ	**0.95 J**	**0.48 J**
Silver	2	6800	0.91 U	1 U	1.4 U	0.94 U	0.85 U	0.85 U	1.1 U	0.9 U	0.82 U
Sodium	NE	NE	**184**	**216**	**439**	**173**	**189**	**239**	**397**	**256**	**477**
Thallium	NE	NE	**0.15 J**	**0.17 J**	0.55 U	**0.15 J**	**0.14 J**	**0.11 J**	0.45 U	**0.29 J**	**0.18 J**
Vanadium	NE	NE	**25.2 J**	**29 J**	**9.8 J**	**26.9 J**	**30.1 J**	**24.5 J**	**24.3 J**	**25.3 J**	**22.8 J**
Zinc	109	10000	**38.1**	**44.8**	**4240**	**53.7**	**49.6**	**28.2**	**20**	**160**	**187**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	0.24 UJ	0.24 UJ	**43.4 J**	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	**1.6 J**
Total Cyanide	27	10000	0.25 UJ	0.28 UJ	**48.7 J**	**0.92 J**	**0.42 J**	**0.23 J**	**0.35 J**	**0.8 J**	**4.4 J**
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	**64000**	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	**72000**	NA	NA	NA	NA	NA	NA

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-106 (31.5-32) 4/8/2019	SB-107 (8.0-8.5) 4/12/2019	Duplicate of SB-107 (8.0-8.5) 4/12/2019	SB-107 (18.0-18.5) 4/12/2019	SB-107 (20.5-21.0) 4/12/2019	SB-108 (2.0-2.5) 3/29/2019	SB-108 (18.5-19.0) 4/9/2019	SB-109 (13.5-14.0) 4/10/2019	SB-109 (17.0-17.5) 4/10/2019
BTEX (mg/kg)											
Benzene	0.06	89	0.084 U	**0.91 J**	**0.00059 J**	2 U	**0.057 J**	**0.00041 J**	**1800**	**0.31**	**42**
Toluene	0.7	1000	0.084 U	1.7 U	0.00096 U	2 U	**0.057 J**	0.0016 U	**2100**	**0.0012**	**1.7 J**
Ethylbenzene	1	780	**0.93**	**5.8 J**	**0.028 J**	**51**	**11**	0.0016 U	**1300**	**0.093**	**110**
o-Xylene	0.26	1000	**0.29**	**3.4 J**	**0.014 J**	**20**	**4.5**	**0.00025 J**	**1100**	**0.035**	**71**
m/p-Xylene	0.26	1000	**0.61**	**2.9 J**	**0.013 J**	**17**	**6.6**	0.0016 U	**2400**	**0.042**	**160**
Total BTEX (ND=0)	NE	NE	**1.83**	**13.01**	**0.05559**	**88**	**22.214**	**0.00066**	**8700**	**0.4812**	**384.7**
Other VOCs (mg/kg)											
Acetone	0.05	1000	0.42 U	8.6 U	**0.018 J**	10 U	0.43 U	**0.013**	38 U	0.0071 U	11 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	0.84 U	17 U	0.0096 U	20 U	0.87 U	0.016 U	76 U	0.0094 U	22 U
Carbon disulfide	NE	NE	0.084 U	1.7 U	**0.00036 J**	2 U	0.087 U	0.0016 U	7.6 U	0.00094 U	2.2 U
Carbon tetrachloride	0.76	44	0.084 U	1.7 UJ	0.00096 U	2 U	0.087 U	0.0016 U	7.6 U	0.00094 U	2.2 U
Chloroform (Trichloromethane)	0.37	700	0.084 U	1.7 U	0.00096 U	2 U	0.087 U	0.0016 U	7.6 U	0.00094 U	2.2 U
Cyclohexane	NE	NE	0.084 U	1.7 U	0.00096 U	2 U	0.087 U	**0.00042 J**	7.6 U	0.00094 U	2.2 U
1,2-Dichloroethane	0.02	60	0.084 U	1.7 U	0.00096 U	2 U	0.087 U	0.0016 U	7.6 U	0.00094 U	2.2 U
cis-1,2-Dichloroethene	0.25	1000	0.084 U	1.7 U	0.00096 U	2 U	0.087 U	0.0016 U	7.6 U	**0.00018 J**	2.2 U
Isopropylbenzene	NE	NE	**0.12**	**1.8 J**	**0.0048 J**	**6.9**	**1**	0.0016 U	**39**	**0.0036**	**12**
Methyl acetate	NE	NE	0.42 U	8.6 U	0.0048 U	10 U	**0.083 J**	0.0079 U	38 U	0.0047 U	11 U
Methyl ethyl ketone (2-Butanone)	0.12	1000	0.42 U	8.6 U	**0.0045 J**	10 U	0.43 U	0.0079 U	38 U	**0.0011 J**	11 U
Methyl tert-butyl ether (MTBE)	0.93	1000	0.084 U	1.7 U	0.00096 U	2 U	0.087 U	**0.00036 J**	7.6 U	0.00094 U	2.2 U
Methylcyclohexane	NE	NE	0.084 U	1.7 U	0.00096 U	2 U	0.087 U	**0.00077 J**	**6 J**	**0.00068 J**	2.2 U
Methylene chloride	0.05	1000	0.084 U	1.7 U	0.00096 U	2 U	0.087 U	0.0016 U	7.6 U	0.00094 U	2.2 U
Styrene	NE	NE	0.084 U	1.7 UJ	0.00096 U	2 U	0.087 U	0.0016 U	**37**	0.00094 U	2.2 U
Tetrachloroethene (PCE)	1.3	300	0.084 U	1.7 UJ	**0.0012**	2 U	0.087 U	0.0016 U	7.6 U	0.00094 UJ	2.2 U
Trichloroethene (TCE)	0.47	400	0.084 U	1.7 U	**0.00038 J**	2 U	0.087 U	0.0016 U	7.6 U	0.00094 U	2.2 U
Total VOCs (ND=0)	NE	NE	**1.95**	**14.81**	**0.08483**	**94.9**	**23.297**	**0.01521**	**8782**	**0.48676**	**396.7**
PAHs (mg/kg)											
Acenaphthene	20	1000	**8.2**	**0.78**	**0.14 J**	**58**	**41**	**0.68 J**	**630 J**	**2**	**200**
Acenaphthylene	100	1000	**1.6 J**	**0.37 J**	**1**	**7.8 J**	**9.4 J**	**2.7**	**1400**	**0.61**	**55**
Anthracene	100	1000	**4.6**	**0.62**	**0.22 J**	**31**	**29**	**0.82 J**	**2000**	**1.5**	**140**
Benzo(a)anthracene	1	11	**2.5**	**0.65 J**	**0.23 J**	**21**	**26**	**2**	**1300**	**1.2**	**76**
Benzo(b)fluoranthene	1	11	**1.7**	**0.39 J**	**2.1 J**	**12**	**20**	**3.1**	**790**	**0.58**	**48**
Benzo(k)fluoranthene	0.8	110	**0.58**	**0.15 J**	**0.66 J**	**5.1**	**7.1**	**1**	**320**	**0.24**	**17**
Benzo(g,h,i)perylene	100	1000	**1.1 J**	**0.15 J**	**2.2 J**	**5.5 J**	**11**	**1.4**	**1500**	**0.28 J**	**28 J**
Benzo(a)pyrene	1	1.1	**2.2**	**0.4 J**	**2.6 J**	**15**	**25**	**1.5**	**940**	**0.7**	**53**
Chrysene	1	110	**2.3 J**	**0.63**	**0.6**	**21**	**26**	**2.2**	**1200 J**	**1.2**	**73**
Dibenz(a,h)anthracene	0.33	1.1	**0.18 J**	0.038 UJ	**0.39 J**	**1.7**	**3**	**0.39**	**220**	**0.069**	**4.6**
Fluoranthene	100	1000	**4.9**	**1.1 J**	**0.18 J**	**41**	**55**	**3.1**	**2400**	**1.9**	**150**
Fluorene	30	1000	**4.9**	**0.93 J**	**0.14 J**	**49**	**44**	**0.54 J**	**2600**	**1.9**	**170**
Indeno(1,2,3-cd)pyrene	0.5	11	**1.2 J**	**0.16 J**	**1.9 J**	**5.3**	**10**	**1.7**	**1500 J**	**0.32 J**	**29 J**
2-Methylnaphthalene	NE	NE	**22**	**0.98**	**0.26 J**	**77**	**56**	**1.3**	**8500**	**1.5**	**510**
Naphthalene	12	1000	**63**	**0.72**	**0.45**	**62**	**52**	**3.6**	**18000**	**2.7**	**800**
Phenanthrene	100	1000	**15**	**3.6 J**	**0.22 J**	**140**	**150**	**2.6**	**7800**	**6.3**	**480**
Pyrene	100	1000	**7.2**	**1.8 J**	**0.98 J**	**59**	**78**	**3.5**	**3400**	**2.8**	**210**
Total PAH (17) (ND=0)	NE	NE	**143.16**	**13.43**	**14.27**	**611.4**	**642.5**	**32.13**	**54500**	**25.799**	**3043.6**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-106 (31.5-32) 4/8/2019	SB-107 (8.0-8.5) 4/12/2019	Duplicate of SB-107 (8.0-8.5) 4/12/2019	SB-107 (18.0-18.5) 4/12/2019	SB-107 (20.5-21.0) 4/12/2019	SB-108 (2.0-2.5) 3/29/2019	SB-108 (18.5-19.0) 4/9/2019	SB-109 (13.5-14.0) 4/10/2019	SB-109 (17.0-17.5) 4/10/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	**0.21 J**	0.38 U	0.39 U	10 U	9.5 U	**0.83 J**	1400 U	**0.01 J**	41 U
Benzaldehyde	NE	NE	3.7 U	0.38 U	**0.023 J**	10 U	9.5 U	**0.2 J**	1400 U	0.41 U	41 U
Biphenyl (1,1-Biphenyl)	NE	NE	**2.6 J**	**0.18 J**	**0.023 J**	**14**	**17**	**0.32 J**	**980 J**	**0.56**	**59**
Bis(2-ethylhexyl)phthalate	NE	NE	3.7 U	0.38 U	0.39 U	10 U	9.5 U	0.85 U	1400 U	0.41 U	41 U
Carbazole	NE	NE	**0.12 J**	**0.018 J**	0.39 U	**0.98 J**	**0.61 J**	**0.056 J**	**74 J**	**0.034 J**	**5.3 J**
2-Chloronaphthalene	NE	NE	3.7 U	0.38 U	0.39 U	10 U	9.5 U	**0.18 J**	1400 U	0.41 U	41 U
2-Chlorophenol	NE	NE	3.7 U	0.38 U	0.39 U	10 U	9.5 U	0.85 U	1400 U	0.41 U	41 U
Dibenzofuran	7	1000	**0.38 J**	**0.069 J**	**0.014 J**	**4 J**	**1.5 J**	**0.27 J**	**230 J**	**0.16 J**	**15 J**
2,4-Dimethylphenol	NE	NE	3.7 U	0.38 U	0.39 U	10 U	9.5 U	0.85 U	1400 U	0.41 U	41 U
2,4-Dinitrotoluene	NE	NE	0.75 U	**0.049 J**	0.079 U	2.1 U	1.9 U	0.17 U	**220 J**	0.083 U	8.2 U
2-Methylnaphthalene	NE	NE	**22**	**0.98**	**0.26 J**	**77**	**56**	**1.3**	**8500**	**1.5**	**510**
2-Methylphenol (o-Cresol)	0.33	1000	3.7 U	0.38 U	0.39 U	10 U	9.5 U	0.85 U	1400 U	0.41 U	41 U
4-Methylphenol (p-Cresol)	0.33	1000	3.7 U	0.38 U	0.39 U	10 U	9.5 U	**0.066 J**	1400 U	0.41 U	41 U
N-Nitrosodiphenylamine (NDFA)	NE	NE	3.7 UJ	0.38 U	0.39 U	10 U	9.5 U	0.85 U	1400 U	0.41 UJ	41 UJ
Pentachlorophenol	0.8	55	3 UJ	0.31 U	0.31 U	8.2 U	7.6 U	0.69 UJ	1100 UJ	0.33 UJ	33 UJ
Phenol	0.33	1000	3.7 U	0.38 U	0.39 U	10 U	9.5 U	0.85 U	1400 U	0.41 U	41 U
Total SVOCs (ND=0)	NE	NE	**146.47**	**13.746**	**14.33**	**630.38**	**661.61**	**34.052**	**56004**	**26.563**	**3122.9**
Total Metals (mg/kg)											
Aluminum	NE	NE	**7340**	**10600**	**8200**	**7070**	**6600**	**1630**	**1830**	**14700**	**10200**
Antimony	NE	NE	0.77 UJ	1.1 UJ	1.2 UJ	1.1 UJ	1.1 UJ	**2.1 J**	**2.6 J**	1.2 UJ	1.1 UJ
Arsenic	13	16	**0.97**	**2.3**	**1.8**	**1.3**	**0.62 J**	**20.2**	**30.4**	**7.4**	**1.7**
Barium	350	10000	**55.1**	**50.8**	**44.2**	**36.1**	**33.7**	**38.8**	**38.7**	**79.3**	**55.1**
Beryllium	7.2	2700	**0.23 J**	**0.61**	**0.57**	**0.29 J**	0.44 U	0.52 U	**0.33 J**	**0.81**	**0.77**
Cadmium	2.5	60	0.77 U	1.1 U	1.2 U	1.1 U	1.1 U	1.3 U	**2.5**	1.2 U	1.1 U
Calcium	NE	NE	**3230**	**2420**	**1970**	**5580**	**7660**	**1930**	**3710**	**1820**	**1850**
Chromium	NE	NE	**20.1**	**26.5**	**17.8**	**19.2**	**16.5**	**5.5**	**10.3**	**25**	**18**
Cobalt	NE	NE	**7.4**	**8**	**7.3**	**6.2**	**8**	**4.1**	**2.9**	**11.1**	**11.9**
Copper	50	10000	**28.5 J**	**22.1**	**18.1 J**	**23.1 J**	**25.4 J**	**51.3 J**	**205 J**	**30.3 J**	**19.2 J**
Iron	NE	NE	**11300**	**16200**	**14700**	**11500**	**9570**	**17100**	**16000**	**35500**	**19200**
Lead	63	3900	**9.7 J**	**7.1 J**	**16.3 J**	**4 J**	**1.9 J**	**136 J**	**579 J**	**12.8 J**	**8.9 J**
Magnesium	NE	NE	**3210 J**	**3530**	**3230 J**	**3660 J**	**3260 J**	**671 J**	**1200 J**	**5250 J**	**3740 J**
Manganese	1600	10000	**284 J**	**508 J**	**191 J**	**324 J**	**402 J**	**61.6**	**116 J**	**319 J**	**510 J**
Mercury	0.18	5.7	0.018 U	0.019 U	**0.012 J**	0.021 U	0.018 U	**0.28 J**	**0.11 J**	**0.012 J**	0.021 U
Nickel	30	10000	**20.4 J**	**19.7**	**17 J**	**15.6 J**	**17.2 J**	**5.8 J**	**11.4 J**	**27.8 J**	**20.4 J**
Potassium	NE	NE	**823**	**1540**	**2110**	**1330**	**947**	**320**	**179**	**2270**	**2130**
Selenium	3.9	6800	3.8 U	**0.63 J**	5.9 U	5.7 U	5.5 U	**7.2**	**10.1**	5.9 U	5.5 U
Silver	2	6800	0.77 U	1.1 U	1.2 U	1.1 U	1.1 U	1.3 U	**0.98 J**	1.2 U	1.1 U
Sodium	NE	NE	**519**	**135**	**139**	**407**	**529**	**95.8 J**	**140**	**141**	**127**
Thallium	NE	NE	0.31 U	0.45 U	0.47 U	0.46 U	0.44 U	**0.49 J**	**3**	**0.17 J**	**0.16 J**
Vanadium	NE	NE	**26.7 J**	**26.3**	**22.1 J**	**23.2 J**	**21.5 J**	**9.4 J**	**13.8 J**	**32.1 J**	**26.2 J**
Zinc	109	10000	**21.7**	**31.5**	**33.7**	**20.3**	**14.8**	**52.8**	**364**	**58.8**	**38.3**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	0.24 UJ	0.24 U	0.24 UJ	0.24 UJ	0.24 UJ	**0.74 J**	0.24 UJ	0.24 UJ	0.24 UJ
Total Cyanide	27	10000	**0.32 J**	**0.69**	**0.23 J**	0.27 R	0.27 R	**1.6 J**	**35.3 J**	**0.13 J**	**0.25 J**
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	NA	NA	NA	**2600 J**	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	NA	NA	NA	**6**	NA	NA	NA

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-109 (29.5-30.0) 4/10/2019	SB-110 (16.0-16.5) 4/10/2019	SB-110 (19.5-20.0) 4/10/2019	SB-110 (27.0-27.5) 4/10/2019	SB-111 (4.5-5) 4/2/2019	SB-111 (4.5-5.0) 4/15/2019	SB-112 (9.0-9.5) 4/17/2019	SB-112 (24.0-24.5) 4/17/2019	SB-112 (24.5-25.0) 4/17/2019
BTEX (mg/kg)											
Benzene	0.06	89	1.6 U	**0.3**	**35**	**1.8**	**0.68**	**0.21**	**2.9**	**6.7**	**0.04 J**
Toluene	0.7	1000	1.6 U	**0.63**	**240**	**24**	**0.13**	**0.035 J**	**1.3**	**13**	**0.045 J**
Ethylbenzene	1	780	**54**	**6.7**	**310**	**86**	**0.081 J**	**0.087**	**51**	**46**	**0.2 J**
o-Xylene	0.26	1000	**20**	**2.7**	**130**	**110**	**0.057 J**	**0.13**	**5.1**	**23**	**0.094 J**
m/p-Xylene	0.26	1000	**42**	**5.3**	**280**	**330**	**0.12**	**0.29**	**6.3**	**49**	**0.18 J**
Total BTEX (ND=0)	NE	NE	**116**	**15.63**	**995**	**551.8**	**1.068**	**0.752**	**66.6**	**137.7**	**0.559**
Other VOCs (mg/kg)											
Acetone	0.05	1000	8.1 U	0.57 U	11 U	7.9 U	0.58 U	0.43 U	5.2 U	3.6 U	**0.31 J**
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	16 U	1.1 U	21 U	16 U	1.2 U	0.86 U	10 U	7.2 U	0.066 UJ
Carbon disulfide	NE	NE	1.6 U	0.11 U	2.1 U	1.6 U	0.12 U	0.086 U	1 U	0.72 U	**0.027 J**
Carbon tetrachloride	0.76	44	1.6 U	0.11 U	2.1 U	1.6 U	0.12 UJ	0.086 U	1 U	0.72 U	0.0066 UJ
Chloroform (Trichloromethane)	0.37	700	1.6 U	0.11 U	2.1 U	1.6 U	0.12 U	0.086 U	1 U	0.72 U	0.0066 UJ
Cyclohexane	NE	NE	1.6 U	0.11 U	2.1 U	**1.2 J**	**0.13**	**0.51**	**0.75 J**	**0.3 J**	**0.0041 J**
1,2-Dichloroethane	0.02	60	1.6 U	0.11 U	2.1 U	1.6 U	0.12 U	0.086 U	1 U	0.72 U	0.0066 UJ
cis-1,2-Dichloroethene	0.25	1000	1.6 U	0.11 U	2.1 U	1.6 U	0.12 U	0.086 U	1 U	0.72 U	0.0066 UJ
Isopropylbenzene	NE	NE	**5.8**	**0.56**	**7**	**1.9**	**0.096 J**	**0.62**	**9**	**5.5**	**0.031 J**
Methyl acetate	NE	NE	8.1 U	0.57 U	11 U	7.9 U	**3.6**	0.43 U	5.2 U	**1.8 J**	0.033 UJ
Methyl ethyl ketone (2-Butanone)	0.12	1000	8.1 U	0.57 U	11 U	7.9 U	0.58 U	0.43 U	5.2 U	3.6 U	**0.083 J**
Methyl tert-butyl ether (MTBE)	0.93	1000	1.6 U	0.11 U	2.1 U	1.6 U	0.12 U	0.086 U	1 U	0.72 U	0.0066 UJ
Methylcyclohexane	NE	NE	**0.84 J**	**0.039 J**	2.1 U	**4.3**	**0.73**	**4**	**2.9**	**1**	**0.0072 J**
Methylene chloride	0.05	1000	1.6 U	0.11 U	2.1 U	1.6 U	0.12 U	0.086 U	1 U	0.72 U	0.0066 UJ
Styrene	NE	NE	1.6 U	**0.054 J**	**13**	**28**	0.12 U	0.086 U	1 U	0.72 U	0.0066 UJ
Tetrachloroethene (PCE)	1.3	300	1.6 U	0.11 U	2.1 U	1.6 U	0.12 U	0.086 U	1 U	0.72 U	0.0066 UJ
Trichloroethene (TCE)	0.47	400	1.6 U	0.11 U	2.1 U	1.6 U	0.12 U	0.086 U	1 U	0.72 U	0.0066 UJ
Total VOCs (ND=0)	NE	NE	**122.64**	**16.283**	**1015**	**587.2**	**5.624**	**5.882**	**79.25**	**146.3**	**1.0213**
PAHs (mg/kg)											
Acenaphthene	20	1000	**14**	**71**	**250**	**34 J**	**1.3**	**3.5**	**49**	**3.4**	**0.21 J**
Acenaphthylene	100	1000	**6.3**	**44**	**140**	**190**	**2.4**	**0.25 J**	**8.1 J**	**0.48 J**	1.5 UJ
Anthracene	100	1000	**13**	**50**	**170**	**140**	**1.6**	**1.7**	**36**	**1.4**	**0.11 J**
Benzo(a)anthracene	1	11	**5.9**	**27**	**110**	**96**	**2.4**	**1.3**	**29**	**0.85**	**0.11 J**
Benzo(b)fluoranthene	1	11	**4.2**	**16**	**72**	**76**	**4.2**	**0.85**	**25**	**0.71**	**0.07 J**
Benzo(k)fluoranthene	0.8	110	**1.4**	**5.1**	**28**	**26**	**1.3**	**0.24**	**10**	**0.27**	0.15 UJ
Benzo(g,h,i)perylene	100	1000	**3.1 J**	**16 J**	**42 J**	**41**	**1.8**	**0.37**	**16 J**	**0.21 J**	1.5 UJ
Benzo(a)pyrene	1	1.1	**4.4**	**19**	**84**	**83**	**2.7**	**0.86**	**28**	**0.7**	0.15 UJ
Chrysene	1	110	**5.2**	**25 J**	**110**	**82**	**2.7**	**1.2**	**27**	**0.87**	**0.077 J**
Dibenz(a,h)anthracene	0.33	1.1	**0.3 J**	**2.3 J**	**6.6 J**	**6.6**	0.074 U	**0.072**	**3.6**	**0.068 J**	0.15 UJ
Fluoranthene	100	1000	**13**	**45**	**210**	**200**	**5**	**2.3**	**46**	**1.9**	**0.19 J**
Fluorene	30	1000	**12**	**59**	**240**	**170**	**1.4**	**1.7**	**36**	**2.2**	**0.16 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**1.8 J**	**15 J**	**45**	**45 J**	**2.5 J**	**0.37**	**14 J**	**0.23**	0.15 UJ
2-Methylnaphthalene	NE	NE	**17**	**170**	**680**	**330**	**1.8**	**1.4**	**130**	**7.1**	**0.91 J**
Naphthalene	12	1000	**17**	**220**	**970**	**840**	**12**	**0.3 J**	**450**	**2.2**	**2.7 J**
Phenanthrene	100	1000	**40**	**160**	**690**	**600**	**5.9**	**6.1**	**120**	**5.3**	**0.5 J**
Pyrene	100	1000	**18**	**65**	**300**	**290**	**4.9**	**3.1**	**83**	**2**	**0.19 J**
Total PAH (17) (ND=0)	NE	NE	**176.6**	**1009.4**	**4147.6**	**3249.6**	**53.9**	**25.612**	**1110.7**	**29.888**	**5.227**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-109 (29.5-30.0) 4/10/2019	SB-110 (16.0-16.5) 4/10/2019	SB-110 (19.5-20.0) 4/10/2019	SB-110 (27.0-27.5) 4/10/2019	SB-111 (4.5-5) 4/2/2019	SB-111 (4.5-5.0) 4/15/2019	SB-112 (9.0-9.5) 4/17/2019	SB-112 (24.0-24.5) 4/17/2019	SB-112 (24.5-25.0) 4/17/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	3.6 U	42 U	83 U	37 U	**0.54 J**	0.37 U	**1.4 J**	**0.18 J**	**0.036 J**
Benzaldehyde	NE	NE	3.6 U	42 U	83 U	37 U	**0.23 J**	0.37 U	20 U	0.8 U	**0.34 J**
Biphenyl (1,1-Biphenyl)	NE	NE	**3.9**	**18 J**	**74 J**	**92**	**1.2**	**0.028 J**	**20**	**1.5**	1.5 UJ
Bis(2-ethylhexyl)phthalate	NE	NE	3.6 U	42 U	83 U	37 U	**0.67 J**	0.37 U	20 U	0.8 U	1.5 UJ
Carbazole	NE	NE	**0.34 J**	**1.7 J**	**7.5 J**	**1.9 J**	0.74 UJ	**0.24 J**	**2.9 J**	**0.27 J**	1.5 UJ
2-Chloronaphthalene	NE	NE	3.6 U	42 U	83 U	37 U	**1.1**	0.37 U	20 U	0.8 U	1.5 UJ
2-Chlorophenol	NE	NE	3.6 U	42 U	83 U	37 U	**0.066 J**	0.37 U	20 U	0.8 U	1.5 UJ
Dibenzofuran	7	1000	**0.83 J**	**5.8 J**	**22 J**	**8.1 J**	**0.52 J**	**0.44**	**5.7 J**	**0.85**	**0.059 J**
2,4-Dimethylphenol	NE	NE	3.6 U	42 U	83 U	37 U	0.74 U	0.37 U	20 U	0.8 U	1.5 UJ
2,4-Dinitrotoluene	NE	NE	0.74 U	8.5 U	17 U	**8.9**	0.15 U	0.074 U	4.1 U	0.16 U	0.3 UJ
2-Methylnaphthalene	NE	NE	**17**	**170**	**680**	**330**	**1.8**	**1.4**	**130**	**7.1**	**0.91 J**
2-Methylphenol (o-Cresol)	0.33	1000	3.6 U	42 U	83 U	37 U	**0.44 J**	0.37 U	20 U	0.8 U	1.5 UJ
4-Methylphenol (p-Cresol)	0.33	1000	3.6 U	42 U	83 U	37 U	**1.1**	0.37 U	20 U	0.8 U	1.5 UJ
N-Nitrosodiphenylamine (NDFA)	NE	NE	3.6 UJ	42 UJ	83 U	37 UJ	0.74 UJ	0.37 U	20 U	**0.054 J**	1.5 UJ
Pentachlorophenol	0.8	55	2.9 UJ	34 UJ	67 UJ	29 UJ	0.6 UJ	0.29 U	16 U	0.65 U	1.2 UJ
Phenol	0.33	1000	3.6 U	42 U	83 U	37 U	**2**	0.37 U	20 U	0.8 U	1.5 UJ
Total SVOCs (ND=0)	NE	NE	**181.67**	**1034.9**	**4251.1**	**3360.5**	**61.766**	**26.32**	**1140.7**	**32.742**	**5.662**
Total Metals (mg/kg)											
Aluminum	NE	NE	**5540**	**14000**	**9200**	**6990**	**8930**	**10000**	**5620**	**3110**	**11100 J**
Antimony	NE	NE	1.1 UJ	1.2 UJ	1.2 UJ	1.1 UJ	0.85 UJ	0.88 UJ	**0.45 J**	1.9 UJ	3.7 UJ
Arsenic	13	16	**1.2**	**4.1**	**2.8**	**1.2**	**5.5**	**2.2**	**8.4**	**1.3 J**	**5.9 J**
Barium	350	10000	**26.8**	**71.5**	**42.2**	**34.7**	**122**	**45.6 J**	**145 J**	**20.7 J**	**53.9 J**
Beryllium	7.2	2700	0.44 U	**0.82**	**0.58**	**0.29 J**	**0.38**	**0.4 J**	**0.41**	0.77 U	**0.65 J**
Cadmium	2.5	60	1.1 U	1.2 U	1.2 U	1.1 U	**0.74 J**	0.88 U	0.89 U	1.9 U	3.7 UJ
Calcium	NE	NE	**2670**	**1850**	**1960**	**2760**	**17800**	**2550**	**19600**	**5340**	**12300 J**
Chromium	NE	NE	**13.8**	**28.5**	**15.8**	**20.4**	**23.1**	**17.9**	**21.1**	**10.4**	**23.5 J**
Cobalt	NE	NE	**5.6**	**12**	**8.5**	**6.2**	**6.9**	**6.8**	**8.9**	**2.4 J**	**6.8 J**
Copper	50	10000	**22.2 J**	**26.9 J**	**17.4 J**	**24 J**	**45.9 J**	**13.6**	**60.7**	**8.6**	**22.3 J**
Iron	NE	NE	**9650**	**26200**	**18300**	**11200**	**16400**	**15400**	**20100**	**9070**	**30600 J**
Lead	63	3900	**3 J**	**13.6 J**	**8.4 J**	**2.7 J**	**290 J**	**25.4**	**202**	**10.4**	**14 J**
Magnesium	NE	NE	**2330 J**	**4570 J**	**3510 J**	**3580 J**	**6000 J**	**3150 J**	**3950 J**	**1730 J**	**4910 J**
Manganese	1600	10000	**198 J**	**309 J**	**367 J**	**214 J**	**369**	**339 J**	**219 J**	**42 J**	**119 J**
Mercury	0.18	5.7	0.018 U	**0.02 J**	**0.023 J**	0.018 U	**0.26 J**	0.018 UJ	**1.1 J**	**0.044 J**	0.076 UJ
Nickel	30	10000	**15.6 J**	**25.7 J**	**19.5 J**	**18.1 J**	**24.2 J**	**15.1**	**35.3**	**7.1**	**21.1 J**
Potassium	NE	NE	**520**	**2370**	**1910**	**808**	**1160**	**846**	**809**	**572**	**2240 J**
Selenium	3.9	6800	5.5 U	6.1 U	5.8 U	5.3 U	**0.27 J**	4.4 U	**1.8 J**	9.6 U	18.3 UJ
Silver	2	6800	1.1 U	1.2 U	1.2 U	1.1 U	0.85 U	0.88 U	0.89 U	1.9 U	3.7 UJ
Sodium	NE	NE	**462**	**109 J**	**109 J**	**470**	**285**	**150**	**320**	**82.6 J**	**173 J**
Thallium	NE	NE	0.44 U	**0.19 J**	0.46 U	0.43 U	**0.13 J**	0.35 U	**0.17 J**	0.77 U	1.5 UJ
Vanadium	NE	NE	**17.3 J**	**32.1 J**	**22.1 J**	**21.1 J**	**29.5 J**	**20.4**	**23.4**	**7.5**	**28.5 J**
Zinc	109	10000	**35.9**	**55.9**	**39.5**	**22.5**	**300**	**45.4 J**	**140 J**	**20.6 J**	**51.6 J**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 U	0.24 UJ	0.24 UJ	0.24 UJ
Total Cyanide	27	10000	0.24 R	**0.44 J**	**0.17 J**	0.25 R	**0.12 J**	**0.1 J**	**9 J**	**4.1 J**	**12.7 J**
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-113 (2.5-3.0) 4/8/2019	SB-113 (9.0-9.5) 4/16/2019	SB-113 (18.0-18.5) 4/16/2019	SB-113 (19.5-20.0) 4/16/2019	SB-114 (9.5-10.0) 4/23/2019	SB-115 (2.5-3.0) 4/9/2019	SB-116 (3.5-4.0) 4/9/2019	SB-116 (12.0-12.5) 4/23/2019	SB-117 (4.0-4.5) 4/8/2019
BTEX (mg/kg)											
Benzene	0.06	89	**5.3 J**	**9.2**	**6.8**	0.77 UJ	**0.24**	**0.00051 J**	0.001 U	**0.33**	**0.013**
Toluene	0.7	1000	**1.9**	**1.1**	**2**	0.77 UJ	0.1 U	0.0014 U	0.001 U	0.092 U	**0.0029**
Ethylbenzene	1	780	**3 J**	**1.6**	**110**	**12 J**	**1.8**	0.0014 U	0.001 U	**0.24**	0.0015 U
o-Xylene	0.26	1000	**1.6**	**0.74 J**	**43**	**4.6 J**	**0.092 J**	0.0014 U	0.001 U	**0.039 J**	0.0015 U
m/p-Xylene	0.26	1000	**2.3 J**	**2.1**	**94**	**10 J**	**0.058 J**	0.0014 U	0.001 U	**0.078 J**	**0.0003 J**
Total BTEX (ND=0)	NE	NE	**14.1**	**14.74**	**255.8**	**26.6**	**2.19**	**0.00051**	ND	**0.687**	**0.0162**
Other VOCs (mg/kg)											
Acetone	0.05	1000	0.8 U	3.8 U	3.8 U	3.8 UJ	0.52 U	0.0072 U	**0.032 J**	**0.82**	0.0077 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	1.6 U	7.6 U	7.6 U	7.7 UJ	1 U	0.014 U	0.01 U	**0.9 J**	0.015 U
Carbon disulfide	NE	NE	0.16 U	0.76 U	0.76 U	0.77 UJ	0.1 U	0.0014 U	0.001 U	0.092 U	0.0015 U
Carbon tetrachloride	0.76	44	0.16 UJ	0.76 U	0.76 U	0.77 UJ	0.1 U	0.0014 U	0.001 U	0.092 U	0.0015 U
Chloroform (Trichloromethane)	0.37	700	0.16 U	0.76 U	0.76 U	0.77 UJ	0.1 U	0.0014 U	0.001 U	0.092 U	0.0015 U
Cyclohexane	NE	NE	**1.3**	**24**	**1.7**	0.77 UJ	**0.1**	0.0014 U	**0.00064 J**	**0.58 J**	0.0015 U
1,2-Dichloroethane	0.02	60	0.16 U	0.76 U	0.76 U	0.77 UJ	0.1 U	0.0014 U	0.001 U	0.092 U	0.0015 U
cis-1,2-Dichloroethene	0.25	1000	0.16 U	0.76 U	0.76 U	0.77 UJ	0.1 U	0.0014 U	0.001 U	0.092 U	0.0015 U
Isopropylbenzene	NE	NE	**2.4**	**10**	**11**	**0.49 J**	**0.097 J**	0.0014 U	0.001 U	**1.2**	0.0015 U
Methyl acetate	NE	NE	**0.94**	3.8 U	3.8 U	3.8 UJ	**0.19 J**	0.0072 U	0.0052 U	0.46 U	0.0077 U
Methyl ethyl ketone (2-Butanone)	0.12	1000	0.8 U	3.8 U	3.8 U	3.8 UJ	0.52 U	0.0072 U	**0.004 J**	0.46 U	0.0077 U
Methyl tert-butyl ether (MTBE)	0.93	1000	0.16 U	0.76 U	0.76 U	0.77 UJ	0.1 U	0.0014 U	0.001 U	0.092 U	0.0015 U
Methylcyclohexane	NE	NE	**6.9 J**	**82 J**	**4.9 J**	0.77 UJ	**0.21 J**	0.0014 U	**0.0013**	**2.5 J**	0.0015 U
Methylene chloride	0.05	1000	0.16 U	0.76 U	0.76 U	0.77 UJ	0.1 U	0.0014 U	0.001 U	0.092 U	0.0015 U
Styrene	NE	NE	**0.087 J**	0.76 U	0.76 U	0.77 UJ	0.1 U	0.0014 U	0.001 U	0.092 U	0.0015 U
Tetrachloroethene (PCE)	1.3	300	0.16 U	0.76 U	0.76 U	0.77 UJ	0.1 U	**0.00029 J**	0.001 U	0.092 U	0.0015 U
Trichloroethene (TCE)	0.47	400	0.16 U	0.76 U	0.76 U	0.77 UJ	0.1 U	0.0014 U	0.001 U	0.092 U	0.0015 U
Total VOCs (ND=0)	NE	NE	**25.727**	**130.74**	**273.4**	**27.09**	**2.787**	**0.0008**	**0.03794**	**6.687**	**0.0162**
PAHs (mg/kg)											
Acenaphthene	20	1000	**3.2 J**	**51**	**130**	**1.4 J**	**8**	**0.043 J**	**0.17 J**	**2.2**	0.4 U
Acenaphthylene	100	1000	**2.3 J**	**7.1**	**21 J**	**1.3 J**	**0.44 J**	**0.45**	**0.55**	**0.11 J**	**0.17 J**
Anthracene	100	1000	**3.1 J**	**34**	**66**	**1.8 J**	**1.7 J**	**0.24 J**	**0.47**	**1.8**	**0.045 J**
Benzo(a)anthracene	1	11	**2**	**33**	**42**	**0.42 J**	**0.92**	**0.08**	**2.7**	**1.5**	**0.092**
Benzo(b)fluoranthene	1	11	**2.3**	**44**	**39**	**0.78 J**	**0.8**	**0.62 J**	**4.2**	**1.4**	**0.2**
Benzo(k)fluoranthene	0.8	110	**0.74**	**14**	**14**	**0.28 J**	**0.36**	**0.17 J**	**1.5**	**0.54**	0.04 U
Benzo(g,h,i)perylene	100	1000	**1.1 J**	**11**	**77**	**17 J**	**0.28 J**	**0.27 J**	**2.3**	**0.85**	**0.084 J**
Benzo(a)pyrene	1	1.1	**1.8**	**36**	**47**	**2.6 J**	**0.85**	**0.12 J**	**2.4**	**1.3**	**0.11**
Chrysene	1	110	**2.3 J**	**30**	**35 J**	**0.35 J**	**0.92 J**	**0.15 J**	**2.9**	**1.6**	**0.14 J**
Dibenz(a,h)anthracene	0.33	1.1	**0.3 J**	**2.7 J**	**11 J**	**2.4 J**	0.21 U	**0.14 J**	**0.63**	**0.22**	0.04 U
Fluoranthene	100	1000	**2.7 J**	**58**	**91**	**0.92 J**	**2.2**	**0.13 J**	**3.4**	**2.9**	**0.16 J**
Fluorene	30	1000	**3.2 J**	**31**	**71**	**0.81 J**	**3.4**	**0.078 J**	**0.21 J**	**1.6**	**0.031 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**1.3 J**	**15**	**80**	**15 J**	**0.32**	**0.31 J**	**2.2**	**0.89**	**0.099 J**
2-Methylnaphthalene	NE	NE	**1.2 J**	**66**	**220**	**2.8 J**	**7.5**	**0.72**	**0.28 J**	**1.8**	**0.087 J**
Naphthalene	12	1000	3.8 U	**26**	**610**	**12 J**	**34**	**1.4**	**0.5**	**0.89**	**0.67**
Phenanthrene	100	1000	**8.1 J**	**110**	**220**	**2.1 J**	**6.9**	**0.32 J**	**2.3**	**4.9**	**0.19 J**
Pyrene	100	1000	**5.8 J**	**64**	**110**	**0.9 J**	**2.7**	**0.14 J**	**5.4**	**3.4**	**0.15 J**
Total PAH (17) (ND=0)	NE	NE	**41.44**	**632.8**	**1884**	**62.86**	**71.29**	**5.381**	**32.11**	**27.9**	**2.228**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-113 (2.5-3.0) 4/8/2019	SB-113 (9.0-9.5) 4/16/2019	SB-113 (18.0-18.5) 4/16/2019	SB-113 (19.5-20.0) 4/16/2019	SB-114 (9.5-10.0) 4/23/2019	SB-115 (2.5-3.0) 4/9/2019	SB-116 (3.5-4.0) 4/9/2019	SB-116 (12.0-12.5) 4/23/2019	SB-117 (4.0-4.5) 4/8/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	3.8 U	**1.2 J**	49 U	1.5 UJ	2.1 U	**0.78**	**0.07 J**	0.37 U	**0.073 J**
Benzaldehyde	NE	NE	3.8 U	4.6 U	49 U	1.5 UJ	2.1 U	0.43 U	**0.055 J**	0.37 U	0.4 U
Biphenyl (1,1-Biphenyl)	NE	NE	**0.32 J**	4.6 U	**33 J**	**0.39 J**	**2 J**	**0.15 J**	**0.1 J**	**0.06 J**	**0.037 J**
Bis(2-ethylhexyl)phthalate	NE	NE	3.8 U	4.6 U	49 U	1.5 UJ	2.1 U	0.43 U	0.4 U	0.37 U	0.4 U
Carbazole	NE	NE	3.8 UJ	**3.4 J**	**10 J**	**0.14 J**	**0.29 J**	0.43 U	**0.16 J**	**0.37**	0.4 UJ
2-Chloronaphthalene	NE	NE	3.8 U	4.6 U	49 U	1.5 UJ	2.1 U	**0.12 J**	0.4 U	0.37 U	**0.051 J**
2-Chlorophenol	NE	NE	3.8 U	4.6 U	49 U	1.5 UJ	2.1 U	0.43 U	0.4 U	0.37 U	0.4 U
Dibenzofuran	7	1000	**0.97 J**	**13**	**18 J**	**0.25 J**	**0.29 J**	**0.044 J**	**0.12 J**	**0.39**	0.4 U
2,4-Dimethylphenol	NE	NE	3.8 U	4.6 U	49 U	1.5 UJ	2.1 U	**0.11 J**	0.4 U	0.37 U	0.4 U
2,4-Dinitrotoluene	NE	NE	0.77 U	0.94 U	9.9 U	0.31 UJ	0.43 U	0.088 U	0.08 U	0.076 U	0.081 U
2-Methylnaphthalene	NE	NE	**1.2 J**	**66**	**220**	**2.8 J**	**7.5**	**0.72**	**0.28 J**	**1.8**	**0.087 J**
2-Methylphenol (o-Cresol)	0.33	1000	3.8 U	4.6 U	49 U	1.5 UJ	2.1 U	**0.11 J**	0.4 U	0.37 U	0.4 U
4-Methylphenol (p-Cresol)	0.33	1000	3.8 U	4.6 U	49 U	1.5 UJ	2.1 U	**0.3 J**	**0.014 J**	0.37 U	**0.019 J**
N-Nitrosodiphenylamine (NDFA)	NE	NE	3.8 UJ	4.6 U	49 U	1.5 UJ	2.1 U	0.43 U	0.4 U	0.37 U	0.4 UJ
Pentachlorophenol	0.8	55	3.1 UJ	3.7 U	39 U	1.2 UJ	1.7 U	0.35 U	0.32 U	0.3 U	0.32 UJ
Phenol	0.33	1000	3.8 U	4.6 U	49 U	1.5 UJ	2.1 U	**0.18 J**	0.4 U	0.37 U	0.4 U
Total SVOCs (ND=0)	NE	NE	**42.73**	**650.4**	**1945**	**63.64**	**73.87**	**7.175**	**32.629**	**28.72**	**2.408**
Total Metals (mg/kg)											
Aluminum	NE	NE	**4110**	**5060**	**18700**	**3840 J**	**5640**	**2190**	**6800**	**8370**	**7580**
Antimony	NE	NE	**0.9 J**	1.3 UJ	1.5 UJ	4.6 UJ	**0.46 J**	**1.4 J**	**2.2 J**	0.83 UJ	**0.47 J**
Arsenic	13	16	**16.2**	**4.3**	**4.9**	4.6 UJ	**8.7**	**29.4**	**7.1**	**2.5**	**7.8**
Barium	350	10000	**121**	**81.2 J**	**69.6 J**	**42.5 J**	**119 J**	**122**	**96.8**	**55.5 J**	**118**
Beryllium	7.2	2700	**0.27 J**	**0.45 J**	**0.55 J**	1.8 UJ	**0.22 J**	**0.68**	**0.36 J**	**0.13 J**	**0.34 J**
Cadmium	2.5	60	**0.54 J**	1.3 U	1.5 U	4.6 UJ	1 U	**0.59 J**	**0.61 J**	0.83 U	1.2 U
Calcium	NE	NE	**10400**	**49200**	**5050**	**23700 J**	**81000**	**4360**	**3350**	**12900**	**4170**
Chromium	NE	NE	**12.8**	**8.3**	**132**	**13.7 J**	**26.8**	**16.6**	**26.3**	**16.3**	**20.4**
Cobalt	NE	NE	**7.7**	**4.6**	**12.4**	9.1 UJ	**7**	**4.9**	**7.3**	**6.4**	**8.1**
Copper	50	10000	**67.4 J**	**59.7**	**56.9**	**7.9 J**	**138**	**51.9 J**	**125 J**	**45.4**	**59.3 J**
Iron	NE	NE	**28900**	**19300**	**30900**	**4760 J**	**20000**	**20800**	**26800**	**18100**	**27000**
Lead	63	3900	**444 J**	**26.8**	**41.7**	**3.8 J**	**587**	**494 J**	**157 J**	**25.6**	**225 J**
Magnesium	NE	NE	**5000 J**	**4630 J**	**6280 J**	**5180 J**	**2510 J**	**936 J**	**3190 J**	**7130 J**	**2410 J**
Manganese	1600	10000	**181**	**250 J**	**440 J**	**128 J**	**400 J**	**46.4 J**	**236 J**	**352 J**	**373 J**
Mercury	0.18	5.7	**0.35 J**	**0.013 J**	**0.071 J**	0.072 UJ	**0.45 J**	**0.36 J**	**0.49 J**	**0.021 J**	**1.8 J**
Nickel	30	10000	**17.4 J**	**10.4**	**40.6**	**7.8 J**	**12.6**	**51.2 J**	**20 J**	**14.9**	**22.1 J**
Potassium	NE	NE	**623**	**819**	**1600**	**584 J**	**744**	**472**	**1010**	**570**	**663**
Selenium	3.9	6800	**2.1 J**	**2.4 J**	7.4 U	22.8 UJ	**0.79 J**	**1.2 J**	**0.46 J**	**0.27 J**	**0.46 J**
Silver	2	6800	1.1 U	1.3 U	1.5 U	4.6 UJ	1 U	1.3 U	1.2 U	0.83 U	1.2 U
Sodium	NE	NE	**535**	**526**	**705**	**242 J**	**1320**	**488**	**588**	**771**	**315**
Thallium	NE	NE	**0.34 J**	**0.17 J**	0.59 U	1.8 UJ	0.4 U	**0.81**	0.48 U	0.33 U	**0.15 J**
Vanadium	NE	NE	**28.4 J**	**12.1**	**41.2**	**8.6 J**	**21.6**	**35.2 J**	**28.4 J**	**27.9**	**37.5 J**
Zinc	109	10000	**128**	**32.4 J**	**62.8 J**	36.4 UJ	**113 J**	**48.7**	**153**	**27.9 J**	**362**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ
Total Cyanide	27	10000	**2.9 J**	**11.8 J**	**3.3 J**	1.1 UJ	**0.31 J**	**1.5 J**	**0.35 J**	**0.21 J**	**0.23 J**
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-117 (8.5-9.0) 4/16/2019	SB-117 (22.0-22.5) 4/16/2019	SB-117 (24.0-24.5) 4/16/2019	SB-118 (3.5-4.0) 4/19/2019	Duplicate of SB-118 (3.5-4.0) 4/19/2019	SB-118 (9.0-9.5) 4/15/2019	SB-118 (9.0-9.5) 4/23/2019	SB-118 (19.5-20.0) 4/23/2019	SB-118 (23.5-24.0) 4/15/2019
BTEX (mg/kg)											
Benzene	0.06	89	**0.009**	**24**	**3.9 J**	0.0015 UJ	**0.0015 J**	**1**	**1100**	**0.038 J**	**0.9**
Toluene	0.7	1000	**0.0024**	**0.93**	**0.2 J**	0.0015 UJ	0.0016 U	**0.09 J**	**49**	**0.0083 J**	**0.24**
Ethylbenzene	1	780	**0.002**	**120**	**20 J**	**0.00094 J**	**0.0011 J**	**0.48**	**2700**	**0.18 J**	**4.9**
o-Xylene	0.26	1000	**0.0064**	**8.2**	**1.1 J**	**0.00031 J**	**0.00055 J**	**0.066 J**	**590**	**0.82 J**	**3.5**
m/p-Xylene	0.26	1000	**0.0037**	**30**	**1.2 J**	**0.00075 J**	**0.0011 J**	**0.1**	**1300**	**0.6 J**	**7.3**
Total BTEX (ND=0)	NE	NE	**0.0235**	**183.13**	**26.4**	**0.002**	**0.00425**	**1.736**	**5739**	**1.6463**	**16.84**
Other VOCs (mg/kg)											
Acetone	0.05	1000	**0.033**	3.3 U	2.6 UJ	**0.018 J**	**0.044 J**	0.46 U	44 U	**0.26 J**	0.62 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	0.012 U	6.5 U	5.2 UJ	0.015 U	0.016 U	0.91 U	88 U	0.071 UJ	1.2 U
Carbon disulfide	NE	NE	**0.0016**	0.65 U	0.52 UJ	0.0015 UJ	0.0016 U	0.091 U	8.8 U	**0.0088 J**	**0.052 J**
Carbon tetrachloride	0.76	44	0.0012 U	0.65 U	0.52 UJ	0.0015 UJ	0.0016 U	0.091 U	8.8 U	0.0071 UJ	0.12 U
Chloroform (Trichloromethane)	0.37	700	0.0012 U	0.65 U	0.52 UJ	0.0015 UJ	0.0016 U	0.091 U	8.8 U	0.0071 UJ	0.12 U
Cyclohexane	NE	NE	**0.00062 J**	0.65 U	0.52 UJ	0.0015 UJ	0.0016 U	**0.045 J**	**8.3 J**	**0.0054 J**	0.12 U
1,2-Dichloroethane	0.02	60	0.0012 U	0.65 U	0.52 UJ	0.0015 UJ	0.0016 U	0.091 U	8.8 U	0.0071 UJ	0.12 U
cis-1,2-Dichloroethene	0.25	1000	0.0012 U	0.65 U	0.52 UJ	0.0015 UJ	0.0016 U	0.091 U	8.8 U	0.0071 UJ	0.12 U
Isopropylbenzene	NE	NE	**0.0034**	**11**	**2.4 J**	**0.00098 J**	**0.002**	**0.077 J**	**140**	**0.045 J**	**0.68**
Methyl acetate	NE	NE	0.0058 U	**0.8 J**	2.6 UJ	0.0077 U	0.0078 U	0.46 U	44 U	0.035 UJ	0.62 U
Methyl ethyl ketone (2-Butanone)	0.12	1000	0.0092 U	3.3 U	2.6 UJ	0.0077 U	0.012 U	0.46 U	44 U	**0.087 J**	0.62 U
Methyl tert-butyl ether (MTBE)	0.93	1000	0.0012 U	0.65 U	0.52 UJ	0.0015 U	0.0016 U	0.091 U	8.8 U	**0.0026 J**	0.12 U
Methylcyclohexane	NE	NE	**0.002**	0.65 U	0.52 UJ	**0.00052 J**	**0.0012 J**	**0.11**	**31 J**	**0.0087 J**	**0.08 J**
Methylene chloride	0.05	1000	0.0012 U	0.65 U	0.52 UJ	0.0015 UJ	0.0016 U	0.091 U	8.8 U	0.0071 UJ	0.12 U
Styrene	NE	NE	**0.00094 J**	0.65 U	0.52 UJ	**0.00034 J**	**0.0005 J**	0.091 U	**4.4 J**	0.0071 UJ	0.12 U
Tetrachloroethene (PCE)	1.3	300	0.0012 U	0.65 U	0.52 UJ	0.0015 UJ	0.0016 U	0.091 U	8.8 U	0.0071 UJ	0.12 U
Trichloroethene (TCE)	0.47	400	0.0012 U	0.65 U	0.52 UJ	0.0015 UJ	0.0016 U	0.091 U	8.8 U	0.0071 UJ	0.12 U
Total VOCs (ND=0)	NE	NE	**0.06506**	**194.93**	**28.8**	**0.02184**	**0.05195**	**1.968**	**5922.7**	**2.0638**	**17.652**
PAHs (mg/kg)											
Acenaphthene	20	1000	**3.1**	**100**	**75 J**	**3.3 J**	**5 J**	**19**	**880**	**12 J**	**5.3**
Acenaphthylene	100	1000	**3.8**	**19 J**	**11 J**	**24 J**	**44 J**	**6.7**	**210**	**2.4 J**	**1.6 J**
Anthracene	100	1000	**4.9**	**42**	**30 J**	**15 J**	**28 J**	**34**	**500**	**5.6 J**	**3.6**
Benzo(a)anthracene	1	11	**6.5**	**24**	**18 J**	**43 J**	**100 J**	**16**	**260**	**4.1 J**	**2.5**
Benzo(b)fluoranthene	1	11	**11**	**16**	**11 J**	**51 J**	**120 J**	**16**	**240**	**3.9 J**	**2.5**
Benzo(k)fluoranthene	0.8	110	**3.3**	**5.1**	**3.4 J**	**14 J**	**35 J**	**5.8**	**67**	**1.3 J**	**0.82**
Benzo(g,h,i)perylene	100	1000	**3.4**	**28**	**5.5 J**	**18 J**	**37 J**	**12**	**190 J**	**1.7 J**	**1.1 J**
Benzo(a)pyrene	1	1.1	**8.7**	**19**	**11 J**	**38 J**	**88 J**	**12**	**240**	**3.8 J**	**2.1**
Chrysene	1	110	**7.2**	**22 J**	**16 J**	**46 J**	**110 J**	**13**	**260**	**3.7 J**	**2.2**
Dibenz(a,h)anthracene	0.33	1.1	**0.55 J**	**3.4 J**	**0.79 J**	**4.3 J**	**9.1 J**	**2.3 J**	**31**	**0.33 J**	**0.18 J**
Fluoranthene	100	1000	**12**	**39**	**30 J**	**70 J**	**140 J**	**41**	**710**	**9.3 J**	**6.1**
Fluorene	30	1000	**9.6**	**51**	**38 J**	**7.2**	**11**	**33**	**500**	**6.4 J**	**3.8**
Indeno(1,2,3-cd)pyrene	0.5	11	**3.9**	**25**	**4.6 J**	**20 J**	**39 J**	**11**	**180**	**1.6 J**	**1.1**
2-Methylnaphthalene	NE	NE	**0.33 J**	**250**	**160 J**	**1.9 J**	**1.6 J**	**12**	**1100**	**22 J**	**11**
Naphthalene	12	1000	**1.4 J**	**460**	**230 J**	**4 J**	**1.8 J**	**55**	**4500**	**64 J**	**38**
Phenanthrene	100	1000	**6.3**	**150**	**110 J**	**23**	**32**	**68**	**1900**	**23 J**	**12**
Pyrene	100	1000	**18**	**58**	**44 J**	**120 J**	**260 J**	**35**	**970**	**12 J**	**5.8**
Total PAH (17) (ND=0)	NE	NE	**103.98**	**1311.5**	**798.29**	**502.7**	**1061.5**	**391.8**	**12738**	**177.13**	**99.7**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-117 (8.5-9.0) 4/16/2019	SB-117 (22.0-22.5) 4/16/2019	SB-117 (24.0-24.5) 4/16/2019	SB-118 (3.5-4.0) 4/19/2019	Duplicate of SB-118 (3.5-4.0) 4/19/2019	SB-118 (9.0-9.5) 4/15/2019	SB-118 (9.0-9.5) 4/23/2019	SB-118 (19.5-20.0) 4/23/2019	SB-118 (23.5-24.0) 4/15/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	**0.36 J**	26 U	12 UJ	**0.93 J**	**1 J**	3.8 U	210 U	3 UJ	2.1 U
Benzaldehyde	NE	NE	**0.18 J**	26 U	12 UJ	**0.57 J**	11 U	3.8 U	210 U	3 UJ	2.1 U
Biphenyl (1,1-Biphenyl)	NE	NE	**0.59 J**	**22 J**	**16 J**	**0.4 J**	11 U	**3.9**	**370**	**4.1 J**	**1.4 J**
Bis(2-ethylhexyl)phthalate	NE	NE	2.2 U	26 U	12 UJ	5 U	11 U	3.8 U	210 U	3 UJ	2.1 U
Carbazole	NE	NE	**0.34 J**	**1.4 J**	**0.96 J**	**0.37 J**	**0.38 J**	**55**	**6.6 J**	**0.55 J**	**1.5 J**
2-Chloronaphthalene	NE	NE	2.2 U	26 U	12 UJ	5 U	11 U	3.8 U	210 U	3 UJ	2.1 U
2-Chlorophenol	NE	NE	2.2 U	26 U	12 UJ	5 U	11 U	3.8 U	210 U	3 UJ	2.1 U
Dibenzofuran	7	1000	**0.39 J**	**6.1 J**	**4.4 J**	**0.53 J**	**0.94 J**	**16**	**18 J**	**0.76 J**	**2.1**
2,4-Dimethylphenol	NE	NE	2.2 U	26 U	12 UJ	5 U	11 U	3.8 U	210 U	3 UJ	2.1 U
2,4-Dinitrotoluene	NE	NE	0.44 U	5.3 U	2.4 UJ	1 U	2.2 U	0.77 U	43 U	0.62 UJ	0.44 U
2-Methylnaphthalene	NE	NE	**0.33 J**	**250**	**160 J**	**1.9 J**	**1.6 J**	**12**	**1100**	**22 J**	**11**
2-Methylphenol (o-Cresol)	0.33	1000	2.2 U	26 U	12 UJ	5 U	11 U	3.8 U	210 U	3 UJ	2.1 U
4-Methylphenol (p-Cresol)	0.33	1000	**0.1 J**	26 U	12 UJ	**0.22 J**	11 U	3.8 U	210 U	3 UJ	2.1 U
N-Nitrosodiphenylamine (NDFA)	NE	NE	2.2 U	**4.9 J**	**3 J**	5 U	11 U	3.8 U	210 U	3 UJ	2.1 U
Pentachlorophenol	0.8	55	1.8 U	21 U	9.4 UJ	4 U	8.6 U	3.1 U	170 U	2.4 UJ	1.7 U
Phenol	0.33	1000	2.2 U	26 U	12 UJ	5 U	11 U	3.8 U	210 U	3 UJ	2.1 U
Total SVOCs (ND=0)	NE	NE	**105.94**	**1345.9**	**822.65**	**505.72**	**1063.82**	**466.7**	**13132.6**	**182.54**	**104.7**
Total Metals (mg/kg)											
Aluminum	NE	NE	**15500**	**5040**	**4190 J**	**5050**	**4560**	**9810**	**4210**	**4070 J**	**8840**
Antimony	NE	NE	1 UJ	**0.48 J**	2.6 UJ	**1.8 J**	**2.3 J**	0.83 UJ	**0.38 J**	3.7 UJ	0.98 UJ
Arsenic	13	16	**5.5**	**6.6**	**10.6 J**	**79.1 J**	**151 J**	**1.6**	**6.5**	**2.2 J**	**4.6**
Barium	350	10000	**75.7 J**	**141 J**	**53.3 J**	**377 J**	**275 J**	**81.7 J**	**42.6 J**	**40.5 J**	**29.4 J**
Beryllium	7.2	2700	**3.2**	**0.3 J**	1.1 UJ	**0.55 J**	**0.73**	**0.35 J**	**0.22 J**	1.5 UJ	**0.39 J**
Cadmium	2.5	60	**0.52 J**	1.2 U	2.6 UJ	**0.54 J**	1.6 U	0.83 U	**0.36 J**	3.7 UJ	0.98 U
Calcium	NE	NE	**8320**	**14000**	**17900 J**	**13600**	**9000**	**2520**	**22400**	**22600 J**	**24800**
Chromium	NE	NE	**47.5**	**9.7**	**35.4 J**	**18.7**	**17.6**	**33.5**	**9.4**	**15.7 J**	**18**
Cobalt	NE	NE	**96.8**	**6.9**	**5.1 J**	**8**	**6.9**	**6.3**	**5.9**	**3.2 J**	**6.8**
Copper	50	10000	**82.3**	**27.7**	**12.6 J**	**104**	**119**	**16**	**22.5**	**13.8 J**	**14.6**
Iron	NE	NE	**37400**	**13000**	**20800 J**	**33300**	**33400**	**16300**	**14300**	**11200 J**	**15700**
Lead	63	3900	**48.4**	**260**	**514 J**	**327**	**282**	**11.5**	**126**	**19.4 J**	**23.9**
Magnesium	NE	NE	**3010 J**	**5780 J**	**3970 J**	**3230 J**	**2460 J**	**3100 J**	**2810 J**	**4380 J**	**3880 J**
Manganese	1600	10000	**1400 J**	**139 J**	**47.4 J**	**170 J**	**137 J**	**166 J**	**212 J**	**182 J**	**194 J**
Mercury	0.18	5.7	**0.14 J**	**0.28 J**	**1.7 J**	**0.37 J**	**0.59 J**	**0.049 J**	**0.13 J**	0.076 UJ	**0.032 J**
Nickel	30	10000	**226**	**15.2**	**13.9 J**	**27.1**	**24.9**	**18.4**	**12.3**	**9.6 J**	**15.8**
Potassium	NE	NE	**991**	**658**	**531 J**	**678**	**592**	**876**	**682**	**568 J**	**1240**
Selenium	3.9	6800	**1.1 J**	**0.85 J**	**3.5 J**	**3.5 J**	**4.3 J**	4.2 U	**2.1 J**	**1.3 J**	4.9 U
Silver	2	6800	1 U	1.2 U	2.6 UJ	1.5 U	1.6 U	0.83 U	0.95 U	3.7 UJ	0.98 U
Sodium	NE	NE	**269**	**281**	**309 J**	**938**	**908**	**286**	**281**	**300 J**	**329**
Thallium	NE	NE	0.4 U	0.49 U	1.1 UJ	**0.61**	**0.92**	0.33 U	**0.71**	1.5 UJ	0.39 U
Vanadium	NE	NE	**47.3**	**15.7**	**45.3 J**	**35**	**45.6**	**33**	**13.3**	**11.9 J**	**20.2**
Zinc	109	10000	**378 J**	**980 J**	**76.4 J**	**258 J**	**235 J**	**36.2 J**	**66.5 J**	**22.1 J**	**41.8 J**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	**1 J**	**10.5 J**	**1 J**	0.24 UJ
Total Cyanide	27	10000	**2.1 J**	**0.35 J**	0.76 UJ	**1.5 J**	**0.84 J**	**6.7 J**	**16.9 J**	**44 J**	**0.15 J**
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-118 (17.0-17.5) 4/15/2019	SB-120 (4.0-4.5) 4/5/2019	SB-120 (5.0-5.5) 4/5/2019	SB-120 (17.0-17.5) 4/22/2019	SB-120 (24.5-25.0) 4/22/2019	SB-120 (53.0-53.5) 4/22/2019	SB-121 (13.0-13.5) 4/18/2019	SB-121 (18.0-18.5) 4/18/2019	SB-121 (54.5-55.5) 4/18/2019
BTEX (mg/kg)											
Benzene	0.06	89	**6.3**	0.0019 U	0.12 U	0.0013 U	0.001 U	0.0011 U	**0.22**	**0.33**	**0.00058 J**
Toluene	0.7	1000	**0.93**	0.0019 U	0.12 U	0.0013 U	0.001 U	0.0011 U	0.1 U	**0.043 J**	0.0014 U
Ethylbenzene	1	780	**46**	0.0019 U	0.12 U	**0.00072 J**	0.001 U	0.0011 U	**14**	**16**	**0.002**
o-Xylene	0.26	1000	**24**	0.0019 U	0.12 U	**0.00094 J**	0.001 U	0.0011 U	**5.9**	**5.6**	**0.00088 J**
m/p-Xylene	0.26	1000	**56**	0.0019 U	**0.052 J**	**0.00046 J**	0.001 U	0.0011 U	**12**	**13**	**0.0019**
Total BTEX (ND=0)	NE	NE	**133.23**	ND	**0.052**	**0.00212**	ND	ND	**32.12**	**34.973**	**0.00536**
Other VOCs (mg/kg)											
Acetone	0.05	1000	0.89 U	0.0097 U	0.62 U	**0.03 J**	**0.014 J**	0.0053 U	0.51 U	0.56 U	0.007 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	1.8 U	0.019 U	1.2 U	0.013 U	0.01 U	0.011 U	1 U	1.1 U	0.014 U
Carbon disulfide	NE	NE	**0.19**	0.0019 U	0.12 U	0.0013 U	**0.0045**	0.0011 U	**0.024 J**	0.11 U	0.0014 U
Carbon tetrachloride	0.76	44	0.18 U	0.0019 U	0.12 U	0.0013 U	0.001 U	0.0011 U	0.1 U	0.11 U	0.0014 U
Chloroform (Trichloromethane)	0.37	700	0.18 U	0.0019 U	0.12 U	0.0013 U	0.001 U	0.0011 U	0.1 U	0.11 U	0.0014 U
Cyclohexane	NE	NE	**0.14 J**	0.0019 U	0.12 U	**0.0053**	0.001 U	0.0011 U	0.1 U	0.11 U	**0.00094 J**
1,2-Dichloroethane	0.02	60	0.18 U	0.0019 U	0.12 U	0.0013 U	0.001 U	0.0011 U	0.1 U	0.11 U	0.0014 U
cis-1,2-Dichloroethene	0.25	1000	0.18 U	0.0019 U	0.12 U	0.0013 U	0.001 U	0.0011 U	0.1 U	0.11 U	0.0014 U
Isopropylbenzene	NE	NE	**5.4**	0.0019 U	**0.081 J**	**0.011**	0.001 U	0.0011 U	**1.8**	**1.7**	**0.0027**
Methyl acetate	NE	NE	0.89 U	0.0097 U	**0.13 J**	0.0063 U	0.0052 U	0.0053 U	**0.1 J**	**0.24 J**	0.007 U
Methyl ethyl ketone (2-Butanone)	0.12	1000	0.89 U	0.0097 U	0.62 U	**0.0094**	0.0052 U	0.0053 U	0.51 U	0.56 U	0.007 U
Methyl tert-butyl ether (MTBE)	0.93	1000	0.18 U	0.0019 U	0.12 U	**0.0022**	0.001 U	0.0011 U	0.1 U	0.11 U	0.0014 U
Methylcyclohexane	NE	NE	**0.51**	0.0019 U	0.12 U	**0.0034**	**0.00028 J**	0.0011 U	**0.089 J**	**0.21 J**	**0.0016**
Methylene chloride	0.05	1000	0.18 U	**0.00064 J**	0.12 U	0.0013 U	0.001 U	0.0011 U	0.1 U	0.11 U	0.0014 U
Styrene	NE	NE	0.18 U	0.0019 U	0.12 U	0.0013 U	0.001 U	0.0011 U	0.1 U	0.11 U	0.0014 U
Tetrachloroethene (PCE)	1.3	300	0.18 U	0.0019 U	0.12 U	0.0013 U	0.001 U	0.0011 U	0.1 U	0.11 U	0.0014 U
Trichloroethene (TCE)	0.47	400	0.18 U	0.0019 U	0.12 U	0.0013 U	0.001 U	0.0011 U	0.1 U	0.11 U	0.0014 U
Total VOCs (ND=0)	NE	NE	**139.47**	**0.00064**	**0.263**	**0.06342**	**0.01878**	ND	**34.133**	**37.123**	**0.0106**
PAHs (mg/kg)											
Acenaphthene	20	1000	**21**	0.75 U	**3.8**	**0.044 J**	**1.1**	0.43 U	NA	**21**	0.46 U
Acenaphthylene	100	1000	**5.8 J**	**2.2**	**1.2 J**	0.45 U	**0.12 J**	0.43 U	NA	**4.8**	0.46 U
Anthracene	100	1000	**15**	**1.9**	**3.1**	**0.13 J**	**0.97**	0.43 U	NA	**13**	**0.024 J**
Benzo(a)anthracene	1	11	**8.1**	**8.3**	**7.6**	**0.21**	**1**	0.043 U	NA	**9.1**	0.046 U
Benzo(b)fluoranthene	1	11	**7.4**	**9.4**	**8.2**	**0.21**	**0.71**	0.043 U	NA	**6.9**	**0.031 J**
Benzo(k)fluoranthene	0.8	110	**2.9**	**3.1**	**2.7**	**0.071**	**0.31**	0.043 U	NA	**2.4**	0.046 U
Benzo(g,h,i)perylene	100	1000	**12**	**4.4**	**4.5**	**0.086 J**	**0.34 J**	0.43 U	NA	**7.3**	0.46 U
Benzo(a)pyrene	1	1.1	**6.9**	**7**	**7.6**	**0.18**	**0.66**	0.043 U	NA	**7.8**	**0.025 J**
Chrysene	1	110	**7.3 J**	**8**	**7.7**	**0.19 J**	**0.99**	0.43 U	NA	**7.7**	**0.032 J**
Dibenz(a,h)anthracene	0.33	1.1	**1.7 J**	**1.3**	**1**	**0.028 J**	**0.096**	0.043 U	NA	**1.3**	0.046 UJ
Fluoranthene	100	1000	**18**	**12**	**12**	**0.42 J**	**2.1**	0.43 U	NA	**17**	**0.062 J**
Fluorene	30	1000	**14**	**0.47 J**	**2.9**	**0.047 J**	**0.95**	0.43 U	NA	**14**	0.46 U
Indeno(1,2,3-cd)pyrene	0.5	11	**9.4**	**5.7 J**	**6 J**	**0.093**	**0.34**	0.043 U	NA	**6.5**	0.046 U
2-Methylnaphthalene	NE	NE	**58**	**0.46 J**	**0.26 J**	**0.02 J**	**0.028 J**	0.43 U	NA	**28**	**0.018 J**
Naphthalene	12	1000	**170**	**2.6**	**0.67 J**	**0.087 J**	**0.077 J**	**0.061 J**	NA	**31**	**0.028 J**
Phenanthrene	100	1000	**41**	**5.5**	**2.1**	**0.34 J**	**0.17 J**	0.43 U	NA	**47**	**0.089 J**
Pyrene	100	1000	**19**	**14**	**16**	**0.4 J**	**2.8**	0.43 U	NA	**22**	**0.066 J**
Total PAH (17) (ND=0)	NE	NE	**417.5**	**86.33**	**87.33**	**2.556**	**12.761**	**0.061**	NA	**246.8**	**0.375**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-118 (17.0-17.5) 4/15/2019	SB-120 (4.0-4.5) 4/5/2019	SB-120 (5.0-5.5) 4/5/2019	SB-120 (17.0-17.5) 4/22/2019	SB-120 (24.5-25.0) 4/22/2019	SB-120 (53.0-53.5) 4/22/2019	SB-121 (13.0-13.5) 4/18/2019	SB-121 (18.0-18.5) 4/18/2019	SB-121 (54.5-55.5) 4/18/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	10 U	**0.19 J**	2 U	0.45 U	0.42 U	0.43 U	NA	4.1 U	0.46 U
Benzaldehyde	NE	NE	10 U	**0.087 J**	**0.088 J**	0.45 U	0.42 U	0.43 U	NA	4.1 U	0.46 U
Biphenyl (1,1-Biphenyl)	NE	NE	**6.3 J**	**0.29 J**	**0.13 J**	0.45 U	0.42 U	0.43 U	NA	**5.2**	0.46 U
Bis(2-ethylhexyl)phthalate	NE	NE	10 U	0.75 U	2 U	0.45 U	0.42 U	0.43 U	NA	4.1 U	0.46 U
Carbazole	NE	NE	**3.9 J**	**0.18 J**	**0.23 J**	**0.013 J**	0.42 U	0.43 U	NA	**0.73 J**	0.46 U
2-Chloronaphthalene	NE	NE	10 U	**0.14 J**	2 U	0.45 U	0.42 U	0.43 U	NA	4.1 U	0.46 U
2-Chlorophenol	NE	NE	10 U	0.75 U	2 U	0.45 U	0.42 U	0.43 U	NA	4.1 U	0.46 U
Dibenzofuran	7	1000	**5.6 J**	**0.36 J**	**0.22 J**	**0.027 J**	0.42 U	0.43 U	NA	**2.5 J**	0.46 U
2,4-Dimethylphenol	NE	NE	10 U	0.75 U	2 U	0.45 U	0.42 U	0.43 U	NA	4.1 U	0.46 U
2,4-Dinitrotoluene	NE	NE	2.1 U	0.15 U	0.41 U	0.092 U	0.085 U	0.087 U	NA	0.83 U	0.094 U
2-Methylnaphthalene	NE	NE	**58**	**0.46 J**	**0.26 J**	**0.02 J**	**0.028 J**	0.43 U	NA	**28**	**0.018 J**
2-Methylphenol (o-Cresol)	0.33	1000	10 U	**0.067 J**	2 U	0.45 U	0.42 U	0.43 U	NA	4.1 U	0.46 U
4-Methylphenol (p-Cresol)	0.33	1000	10 U	**0.18 J**	2 U	0.45 U	0.42 U	0.43 U	NA	4.1 U	0.46 U
N-Nitrosodiphenylamine (NDFA)	NE	NE	10 U	0.75 UJ	2 UJ	0.45 U	0.42 U	0.43 U	NA	4.1 U	0.46 U
Pentachlorophenol	0.8	55	8.2 U	0.61 UJ	1.6 UJ	0.36 U	0.34 U	0.34 U	NA	3.3 U	0.37 U
Phenol	0.33	1000	10 U	0.75 U	2 U	0.45 U	0.42 U	0.43 U	NA	4.1 U	0.46 U
Total SVOCs (ND=0)	NE	NE	**433.3**	**87.824**	**87.998**	**2.596**	**12.761**	**0.061**	NA	**255.23**	**0.375**
Total Metals (mg/kg)											
Aluminum	NE	NE	**8340**	**6720**	**7430**	**9060**	**3300**	**4730**	**2970**	**5510**	**8880**
Antimony	NE	NE	1.3 UJ	0.85 UJ	0.92 UJ	1.1 UJ	1 UJ	0.97 UJ	1.1 UJ	1.2 UJ	1.4 UJ
Arsenic	13	16	**3.1**	**5.8**	**2.8**	**7.8**	**1.5**	**1.6**	**1.3**	**3.8**	**2.8**
Barium	350	10000	**43.1 J**	**81.5**	**73.4**	**21.6 J**	**7.5 J**	**63.3 J**	**7.2 J**	**13.3 J**	**139 J**
Beryllium	7.2	2700	0.5 U	**0.36**	**0.47**	**0.47**	0.4 U	**0.42**	0.46 U	**0.31 J**	**0.63**
Cadmium	2.5	60	1.3 U	**0.3 J**	0.92 U	1.1 U	1 U	0.97 U	1.1 U	1.2 U	1.4 U
Calcium	NE	NE	**14400**	**11000**	**3400**	**2660**	**1030**	**13100**	**841**	**1280**	**27400**
Chromium	NE	NE	**22.2**	**15.1**	**18.1**	**17.7**	**7.9**	**10.3**	**8**	**11.6**	**19.9**
Cobalt	NE	NE	**5.9**	**6.8**	**6.2**	**7.6**	**2.7**	**5.7**	**2.5**	**5**	**10.2**
Copper	50	10000	**16.9**	**96.3 J**	**76.4 J**	**9.9**	**7.2**	**12.2**	**5.8**	**6.8**	**26.4**
Iron	NE	NE	**14800**	**15700**	**16400**	**21000**	**7070**	**11000**	**6870**	**13400**	**20300**
Lead	63	3900	**17.3**	**107 J**	**200 J**	**8**	**3**	**5.5**	**2.2**	**5.1**	**12**
Magnesium	NE	NE	**6430 J**	**2520 J**	**3270 J**	**4560 J**	**1570 J**	**6110 J**	**1560 J**	**2340 J**	**10500 J**
Manganese	1600	10000	**190 J**	**166**	**100**	**395 J**	**89.8 J**	**492 J**	**69.1 J**	**116 J**	**532 J**
Mercury	0.18	5.7	**0.017 J**	**0.48 J**	**0.031 J**	0.022 UJ	0.021 UJ	0.021 UJ	0.018 UJ	0.019 UJ	**0.029 J**
Nickel	30	10000	**15.2**	**17 J**	**18.6 J**	**17.2**	**6.6**	**15.1**	**6.5**	**10.7**	**24.4**
Potassium	NE	NE	**1060**	**1250**	**1390**	**1750**	**509**	**1260**	**610**	**955**	**2420**
Selenium	3.9	6800	6.3 U	**0.63 J**	**0.6 J**	5.5 U	5 U	4.9 U	5.7 U	6.1 U	6.8 U
Silver	2	6800	1.3 U	0.85 U	0.92 U	1.1 U	1 U	0.97 U	1.1 U	1.2 U	1.4 U
Sodium	NE	NE	**210**	**160**	**285**	**264**	**74.9 J**	**121**	**188**	**186 J**	**182**
Thallium	NE	NE	0.5 U	**0.13 J**	**0.13 J**	0.44 U	0.4 U	0.39 U	0.46 U	0.49 U	**0.2 J**
Vanadium	NE	NE	**22**	**17.8 J**	**19.5 J**	**20.2**	**7.2**	**13.7**	**7**	**12.2**	**23.6**
Zinc	109	10000	**33.4 J**	**78.9**	**67.4**	**45.7 J**	**15.8 J**	**23.9 J**	**13.3 J**	**29.2 J**	**51.3 J**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	NA	NA	NA
Total Cyanide	27	10000	**0.45 J**	**0.52 J**	0.29 UJ	0.33 UJ	0.28 UJ	0.28 UJ	NA	NA	NA
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-122 (17.0-17.5) 4/25/2019	SB-122 (19.5-20.0) 4/25/2019	SB-122 (39.0-39.5) 4/25/2019	SB-123 (6.5-7.0) 4/15/2019	SB-124 (9.0-9.5) 6/21/2019	SB-124 (34.0-34.5) 6/21/2019	SB-125 (4.5-5.0) 6/19/2019	SB-125 (19.5-20.0) 6/21/2019	SB-125 (33.0-33.5) 6/21/2019
BTEX (mg/kg)											
Benzene	0.06	89	**51**	**0.00072 J**	0.0013 U	**0.014**	**4**	0.00087 U	**0.76**	**0.0022**	0.00075 U
Toluene	0.7	1000	2.7 U	0.0012 U	0.0013 U	0.0013 U	**54**	0.00087 U	**10**	0.0011 U	0.00075 U
Ethylbenzene	1	780	**200**	**0.00077 J**	0.0013 U	**0.0064**	**360**	0.00087 U	**77**	**0.001 J**	0.00075 U
o-Xylene	0.26	1000	**10**	0.0012 U	0.0013 U	**0.0021**	**180**	0.00087 U	**38**	**0.006**	0.00075 U
m/p-Xylene	0.26	1000	**8.1**	0.0012 U	0.0013 U	**0.0023 J**	**430**	0.00087 U	**92**	**0.0028**	0.00075 U
Total BTEX (ND=0)	NE	NE	**269.1**	**0.00149**	ND	**0.0248**	**1028**	ND	**217.76**	**0.012**	ND
Other VOCs (mg/kg)											
Acetone	0.05	1000	14 U	**0.013**	**0.014**	0.011 U	11 U	0.0052 U	1.1 U	0.0067 U	**0.0043 J**
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	27 U	0.012 UJ	0.013 U	0.013 U	22 U	0.0087 U	2.1 U	0.011 U	0.0075 U
Carbon disulfide	NE	NE	2.7 U	0.0012 U	0.0013 U	**0.0019**	2.2 UJ	**0.00047 J**	0.21 UJ	0.0011 U	**0.0012 J**
Carbon tetrachloride	0.76	44	2.7 U	**0.0021 J**	0.0013 U	0.0013 U	2.2 U	0.00087 U	0.21 U	0.0011 U	0.00075 U
Chloroform (Trichloromethane)	0.37	700	2.7 U	0.0012 U	0.0013 U	0.0013 U	2.2 U	0.00087 U	0.21 U	0.0011 U	0.00075 U
Cyclohexane	NE	NE	**1.7 J**	**0.00028 J**	0.0013 U	**0.0023**	**32**	0.00087 U	**5**	**0.00098 J**	0.00075 U
1,2-Dichloroethane	0.02	60	2.7 U	0.0012 U	0.0013 U	0.0013 U	2.2 U	0.00087 U	0.21 U	0.0011 U	0.00075 U
cis-1,2-Dichloroethene	0.25	1000	2.7 U	0.0012 U	0.0013 U	0.0013 U	2.2 U	0.00087 U	0.21 U	0.0011 U	0.00075 U
Isopropylbenzene	NE	NE	**30**	**0.00016 J**	0.0013 U	**0.011**	**27**	0.00087 U	**6.9**	**0.0038**	**0.00011 J**
Methyl acetate	NE	NE	14 U	0.006 U	0.0066 U	0.0063 U	11 U	0.0044 UJ	1.1 U	0.0056 UJ	0.0037 UJ
Methyl ethyl ketone (2-Butanone)	0.12	1000	14 U	**0.0032 J**	**0.0047 J**	**0.0034 J**	11 U	0.0044 UJ	1.1 U	0.0056 U	0.0037 UJ
Methyl tert-butyl ether (MTBE)	0.93	1000	2.7 U	0.0012 U	0.0013 U	0.0013 U	2.2 U	0.00087 U	0.21 U	0.0011 U	0.00075 U
Methylcyclohexane	NE	NE	**5.6**	0.0012 U	0.0013 U	**0.0021**	**160**	0.00087 U	**31**	**0.0031**	0.00075 U
Methylene chloride	0.05	1000	2.7 U	0.0012 U	0.0013 U	0.0013 U	2.2 U	0.00087 U	0.21 U	0.0011 U	0.00075 U
Styrene	NE	NE	2.7 U	0.0012 U	0.0013 U	**0.00026 J**	2.2 U	0.00087 U	**0.13 J**	0.0011 U	0.00075 U
Tetrachloroethene (PCE)	1.3	300	2.7 U	0.0012 U	0.0013 U	0.0013 U	2.2 U	0.00087 U	0.21 U	0.0011 U	0.00075 U
Trichloroethene (TCE)	0.47	400	2.7 U	0.0012 U	0.0013 U	0.0013 U	2.2 U	0.00087 U	0.21 U	0.0011 U	0.00075 U
Total VOCs (ND=0)	NE	NE	**306.4**	**0.02023**	**0.0187**	**0.04576**	**1247**	**0.00047**	**260.79**	**0.01988**	**0.00561**
PAHs (mg/kg)											
Acenaphthene	20	1000	**120**	**0.17 J**	0.45 U	**4.9**	8.1 UJ	0.36 UJ	**0.29 J**	**0.086 J**	0.35 UJ
Acenaphthylene	100	1000	**8.9 J**	**0.04 J**	0.45 U	**2.5**	**1.4 J**	0.36 U	**1.2 J**	0.43 U	0.35 U
Anthracene	100	1000	**47**	**0.091 J**	0.45 U	**3.5**	**2.3 J**	0.36 U	**0.81 J**	**0.037 J**	0.35 U
Benzo(a)anthracene	1	11	**33**	**0.083**	0.045 U	**7.1**	**3.7**	0.036 U	**3.1**	**0.025 J**	0.035 U
Benzo(b)fluoranthene	1	11	**19**	**0.057**	0.045 U	**8.2**	**3.4**	0.036 U	**5.2**	0.043 U	0.035 U
Benzo(k)fluoranthene	0.8	110	**7.2**	**0.021 J**	0.045 U	**2.4**	**1.3**	0.036 U	**1.6**	0.043 U	0.035 U
Benzo(g,h,i)perylene	100	1000	**12 J**	**0.023 J**	0.45 U	**6.7**	**2.5 J**	0.36 U	**3.4 J**	0.43 U	0.35 U
Benzo(a)pyrene	1	1.1	**28**	**0.072**	0.045 U	**6.8**	**3.5 J**	0.036 UJ	**4.2**	**0.015 J**	0.035 UJ
Chrysene	1	110	**31 J**	**0.089 J**	0.45 U	**8.1**	**4.1 J**	0.36 U	**3.5 J**	**0.019 J**	0.35 U
Dibenz(a,h)anthracene	0.33	1.1	**3.4 J**	0.046 U	0.045 U	**1.5 J**	**0.41 J**	0.036 U	**0.71 J**	0.043 U	0.035 U
Fluoranthene	100	1000	**53**	**0.14 J**	0.45 U	**12**	**6.9 J**	0.36 U	**3.7 J**	**0.04 J**	0.35 U
Fluorene	30	1000	**61**	**0.11 J**	0.45 U	**1.4**	**2.6 J**	0.36 U	**0.9 J**	0.43 U	0.35 U
Indeno(1,2,3-cd)pyrene	0.5	11	**12 J**	**0.03 J**	0.045 U	**6.1**	**2.3**	0.036 U	**3.5**	0.043 U	0.035 U
2-Methylnaphthalene	NE	NE	**280**	**0.33 J**	0.45 U	**0.55 J**	**16 J**	0.36 UJ	**7**	0.43 UJ	0.35 UJ
Naphthalene	12	1000	**710**	**0.7**	0.45 U	**2.4**	**100**	**0.013 J**	**45**	**0.014 J**	0.35 U
Phenanthrene	100	1000	**180**	**0.37 J**	0.45 U	**5.1**	**7.9 J**	0.36 U	**3.3 J**	**0.28 J**	**0.021 J**
Pyrene	100	1000	**93**	**0.19 J**	0.45 U	**16**	**7.9 J**	0.36 U	**6.3**	**0.066 J**	0.35 U
Total PAH (17) (ND=0)	NE	NE	**1698.5**	**2.516**	0	**95.25**	**166.21**	**0.013**	**93.71**	**0.582**	**0.021**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-122 (17.0-17.5) 4/25/2019	SB-122 (19.5-20.0) 4/25/2019	SB-122 (39.0-39.5) 4/25/2019	SB-123 (6.5-7.0) 4/15/2019	SB-124 (9.0-9.5) 6/21/2019	SB-124 (34.0-34.5) 6/21/2019	SB-125 (4.5-5.0) 6/19/2019	SB-125 (19.5-20.0) 6/21/2019	SB-125 (33.0-33.5) 6/21/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	44 U	0.46 U	0.45 U	**0.078 J**	8.1 U	0.36 U	4 U	0.43 U	0.35 U
Benzaldehyde	NE	NE	44 U	0.46 U	0.45 U	0.9 U	8.1 U	0.36 UJ	4 U	0.43 UJ	0.35 UJ
Biphenyl (1,1-Biphenyl)	NE	NE	**33 J**	**0.052 J**	0.45 U	**0.42 J**	**2.2 J**	0.36 U	**0.89 J**	0.43 U	0.35 U
Bis(2-ethylhexyl)phthalate	NE	NE	44 U	0.46 U	0.45 U	**0.28 J**	8.1 U	0.36 U	4 U	0.43 U	0.35 U
Carbazole	NE	NE	44 U	0.46 U	0.45 U	**0.32 J**	8.1 U	0.36 U	4 U	0.43 U	0.35 U
2-Chloronaphthalene	NE	NE	44 U	0.46 U	0.45 U	0.9 U	8.1 U	0.36 U	4 U	0.43 U	0.35 U
2-Chlorophenol	NE	NE	44 U	0.46 U	0.45 U	0.9 U	8.1 U	0.36 U	4 U	0.43 U	0.35 U
Dibenzofuran	7	1000	**7.5 J**	**0.013 J**	0.45 U	**0.55 J**	**0.51 J**	0.36 U	**0.19 J**	0.43 U	0.35 U
2,4-Dimethylphenol	NE	NE	44 U	0.46 U	0.45 U	0.9 U	8.1 U	0.36 U	4 U	0.43 U	0.35 U
2,4-Dinitrotoluene	NE	NE	8.9 U	0.094 U	0.092 U	0.18 U	1.6 U	0.072 U	0.81 U	0.087 U	0.072 U
2-Methylnaphthalene	NE	NE	**280**	**0.33 J**	0.45 U	**0.55 J**	**16 J**	0.36 UJ	**7**	0.43 UJ	0.35 UJ
2-Methylphenol (o-Cresol)	0.33	1000	44 U	0.46 U	0.45 U	0.9 U	8.1 U	0.36 U	4 U	0.43 U	0.35 U
4-Methylphenol (p-Cresol)	0.33	1000	44 U	0.46 U	0.45 U	**0.036 J**	8.1 U	0.36 U	4 U	0.43 U	0.35 U
N-Nitrosodiphenylamine (NDFA)	NE	NE	44 U	**0.011 J**	0.45 U	0.9 U	8.1 U	0.36 U	4 U	0.43 U	0.35 U
Pentachlorophenol	0.8	55	35 U	0.37 U	0.36 U	0.73 U	6.5 UJ	0.29 UJ	3.2 U	0.35 UJ	0.28 UJ
Phenol	0.33	1000	44 U	0.46 U	0.45 U	0.9 U	8.1 U	0.36 U	4 U	0.43 U	0.35 U
Total SVOCs (ND=0)	NE	NE	**1739**	**2.592**	0	**96.934**	**168.92**	**0.013**	**94.79**	**0.582**	**0.021**
Total Metals (mg/kg)											
Aluminum	NE	NE	**5110**	**9520**	**9780**	**8830**	**7970**	**5730**	**10900**	**9580**	**4440**
Antimony	NE	NE	**0.5 J**	**0.82 J**	1.3 UJ	**0.69 J**	**1.4 J**	1.1 UJ	0.91 UJ	1.3 UJ	0.98 UJ
Arsenic	13	16	**7.1**	**10.6**	**5.9**	**15.8**	**5.2**	**0.91 J**	**5.4**	**2.7**	**1.1**
Barium	350	10000	**82.6 J**	**194 J**	**22.6 J**	**411 J**	**294**	**33.3**	**160**	**64.9**	**23.2**
Beryllium	7.2	2700	**0.25 J**	**0.54 J**	**0.54**	**0.53 J**	**0.37 J**	0.43 U	**0.56**	**0.77**	0.39 U
Cadmium	2.5	60	1.3 U	**0.79 J**	1.3 U	**5.1**	**0.82 J**	1.1 U	**0.75 J**	1.3 U	0.98 U
Calcium	NE	NE	**7420**	**70200**	**12000**	**43300**	**54000**	**11100**	**12000**	**2500**	**12200**
Chromium	NE	NE	**13.8**	**33.9**	**18.2**	**27**	**20.7 J**	**12.9 J**	**26 J**	**26.3 J**	**9.3 J**
Cobalt	NE	NE	**5.8**	**7.6**	**9.3**	**8.9**	**8.9**	**4.9**	**9.5**	**9.9**	**4.2**
Copper	50	10000	**37.9**	**80.7**	**11**	**59.7**	**188**	**16.1**	**178**	**14.3**	**16.7**
Iron	NE	NE	**16100**	**19600**	**22900**	**30400**	**23900**	**9200**	**25100**	**18400**	**7540**
Lead	63	3900	**247**	**241**	**10.2**	**580**	**3520 J**	**2.4 J**	**448 J**	**9.3 J**	**2.2 J**
Magnesium	NE	NE	**4570 J**	**7620 J**	**5710 J**	**10900 J**	**23300**	**5070**	**4410**	**6090**	**4760**
Manganese	1600	10000	**127 J**	**316 J**	**445 J**	**823 J**	**556**	**206**	**396**	**446**	**165**
Mercury	0.18	5.7	**10.1 J**	0.023 UJ	0.023 UJ	**6.2 J**	**7.6 J**	0.017 U	**16 J**	0.022 U	0.018 U
Nickel	30	10000	**16.5**	**20.9**	**19.8**	**23.1**	**19**	**15.4**	**23.3**	**26.1**	**12.8**
Potassium	NE	NE	**719**	**2310**	**1590**	**1430**	**1090 J**	**665 J**	**1490 J**	**2830 J**	**465 J**
Selenium	3.9	6800	**1.1 J**	**0.81 J**	6.4 U	**2.9 J**	6.1 U	5.4 U	**0.26 J**	6.4 U	4.9 U
Silver	2	6800	1.3 U	1.4 U	1.3 U	1.1 U	1.2 U	1.1 U	0.91 U	1.3 U	0.98 U
Sodium	NE	NE	**334**	**1490**	**174**	**462**	**268 J**	**591 J**	**168 J**	**230 J**	**397 J**
Thallium	NE	NE	0.5 U	0.56 U	0.51 U	**0.36 J**	0.49 U	0.43 U	**0.13 J**	**0.22 J**	0.39 U
Vanadium	NE	NE	**14.6**	**31.7**	**21.2**	**26.5**	**23.8 J**	**18.4 J**	**27.5 J**	**30.7 J**	**16.4 J**
Zinc	109	10000	**192 J**	**298 J**	**54.9 J**	**1620 J**	**523**	**12.9**	**430**	**36**	**10.9**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ
Total Cyanide	27	10000	**0.58 J**	0.31 UJ	0.32 UJ	**0.78 J**	**2.6 J**	0.22 UJ	**1.4 J**	0.28 UJ	0.24 UJ
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Soil Analytical Results
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Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-126 (4.5-5.0) 6/19/2019	SB-126 (7.0-7.5) 6/24/2019	SB-126 (21.0-21.5) 6/24/2019	SB-126 (46.5-47.0) 6/24/2019	SB-126 (49.0-49.5) 6/24/2019	SB-127 (6.0-6.5) 6/24/2019	SB-128 (17.5-18.0) 6/25/2019	SB-127 (38.0-38.5) 6/24/2019	SB-127 (59.5-60.0) 6/24/2019
BTEX (mg/kg)											
Benzene	0.06	89	**0.54**	**12**	**2.5 J**	1.9 U	0.00088 U	**8.6**	0.18 U	**0.043**	**0.00038 J**
Toluene	0.7	1000	**0.82**	**8**	**8.7**	**21 J**	**0.0023**	**3.7**	0.18 U	**0.02**	**0.0011**
Ethylbenzene	1	780	**1.6**	**23**	**190**	**29 J**	**0.0074**	**110**	**1.2**	**0.13**	**0.0011**
o-Xylene	0.26	1000	**1.1**	**3.2**	**90**	**40 J**	**0.017**	**47**	**0.36**	**0.023**	**0.00067 J**
m/p-Xylene	0.26	1000	**3.1**	**6.4**	**170**	**86 J**	**0.034**	**69**	**2**	**0.04**	**0.0014**
Total BTEX (ND=0)	NE	NE	**7.16**	**52.6**	**461.2**	**176**	**0.0607**	**238.3**	**3.56**	**0.256**	**0.00465**
Other VOCs (mg/kg)											
Acetone	0.05	1000	0.69 U	0.84 U	20 U	9.4 U	0.007 U	8.9 U	0.9 U	0.024 U	0.0093 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	1.4 U	1.7 U	40 U	19 U	0.0088 U	18 U	1.8 U	0.01 U	0.0089 U
Carbon disulfide	NE	NE	0.14 UJ	0.17 UJ	4 UJ	1.9 U	0.00088 UJ	1.8 UJ	0.18 UJ	**0.00087 J**	0.00089 UJ
Carbon tetrachloride	0.76	44	0.14 U	0.17 U	4 U	1.9 U	0.00088 U	1.8 U	0.18 U	0.001 UJ	0.00089 U
Chloroform (Trichloromethane)	0.37	700	0.14 U	0.17 U	4 U	1.9 U	0.00088 U	1.8 U	0.18 U	0.001 U	0.00089 U
Cyclohexane	NE	NE	**0.82**	**10**	4 U	1.9 U	0.00088 U	**1.8**	0.18 U	**0.0011**	0.00089 U
1,2-Dichloroethane	0.02	60	0.14 U	0.17 U	4 U	1.9 U	0.00088 U	1.8 U	0.18 U	0.001 U	0.00089 U
cis-1,2-Dichloroethene	0.25	1000	0.14 U	0.17 U	4 U	1.9 U	0.00088 U	1.8 U	0.18 U	0.001 U	0.00089 U
Isopropylbenzene	NE	NE	**0.93**	**19**	**7.5**	**4 J**	**0.00086 J**	**16**	**0.17 J**	**0.03**	**0.00038 J**
Methyl acetate	NE	NE	**0.42 J**	0.84 UJ	20 UJ	9.4 U	0.0044 UJ	8.9 UJ	**0.28 J**	0.005 UJ	0.0044 UJ
Methyl ethyl ketone (2-Butanone)	0.12	1000	0.69 U	0.84 U	20 U	9.4 U	0.0044 UJ	8.9 U	0.9 U	0.005 UJ	0.0044 UJ
Methyl tert-butyl ether (MTBE)	0.93	1000	0.14 U	0.17 U	4 U	1.9 U	0.00088 U	1.8 U	0.18 U	0.001 U	0.00089 U
Methylcyclohexane	NE	NE	**4.1**	**71**	4 U	1.9 U	0.00088 U	**10**	0.18 U	**0.0028**	0.00089 U
Methylene chloride	0.05	1000	0.14 U	0.17 U	4 U	1.9 U	0.00088 U	1.8 U	0.18 UJ	0.001 U	0.00089 U
Styrene	NE	NE	0.14 U	**0.5**	**18**	**1.4 J**	**0.013**	1.8 U	0.18 U	0.001 U	0.00089 U
Tetrachloroethene (PCE)	1.3	300	0.14 U	0.17 U	4 U	1.9 U	0.00088 U	1.8 U	0.18 U	0.001 U	0.00089 U
Trichloroethene (TCE)	0.47	400	0.14 U	0.17 U	4 U	1.9 U	0.00088 U	1.8 U	0.18 U	0.001 U	0.00089 U
Total VOCs (ND=0)	NE	NE	**13.43**	**153.1**	**486.7**	**181.4**	**0.07456**	**266.1**	**4.01**	**0.29077**	**0.00503**
PAHs (mg/kg)											
Acenaphthene	20	1000	**2.4 J**	**22**	**5.7 J**	18 U	**0.084 J**	**310**	**0.11 J**	**0.17 J**	0.37 U
Acenaphthylene	100	1000	**4.3**	**11**	**16 J**	**31**	**0.46**	**120**	0.42 U	**0.03 J**	**0.015 J**
Anthracene	100	1000	**3.8 J**	**40**	**19 J**	**24**	**0.41**	**230**	**0.048 J**	**0.084 J**	**0.039 J**
Benzo(a)anthracene	1	11	**8.7**	**43**	**14**	**17**	**0.35**	**230**	**0.063**	**0.07**	**0.047**
Benzo(b)fluoranthene	1	11	**15**	**45**	**7.7**	**9.6**	**0.22**	**190**	**0.046**	**0.059**	**0.039**
Benzo(k)fluoranthene	0.8	110	**4.8**	**15**	**2.9**	**4.3**	**0.079**	**66**	**0.021 J**	0.04 U	0.037 U
Benzo(g,h,i)perylene	100	1000	**9.9**	**15**	**3.2 J**	**3.2 J**	**0.079 J**	**85**	**0.017 J**	0.4 U	0.37 U
Benzo(a)pyrene	1	1.1	**12**	**37**	**11**	**12**	**0.27**	**200**	**0.038 J**	**0.057**	**0.036 J**
Chrysene	1	110	**12**	**38**	20 U	**17 J**	**0.35**	**220**	**0.058 J**	**0.06 J**	**0.046 J**
Dibenz(a,h)anthracene	0.33	1.1	**2.1 J**	**3.5**	**0.89 J**	**0.98 J**	**0.023 J**	**22**	0.042 U	0.04 U	0.037 U
Fluoranthene	100	1000	**10**	**76**	**23**	**27**	**0.59**	**410**	**0.12 J**	**0.15 J**	**0.086 J**
Fluorene	30	1000	**3.6 J**	**31**	**28**	**34**	**0.55**	**240**	**0.051 J**	**0.091 J**	**0.023 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**10**	**17**	**3.7**	**4**	**0.091**	**93**	0.042 U	**0.022 J**	**0.022 J**
2-Methylnaphthalene	NE	NE	**6.9**	**110**	**110**	**170**	**1.3**	**430**	**0.22 J**	**0.27 J**	**0.026 J**
Naphthalene	12	1000	**2.9 J**	**130**	**240**	**390**	**1.6**	**950**	**3.4**	**5.4**	**0.058 J**
Phenanthrene	100	1000	**15**	**120**	**82**	**95**	**1.9**	**860**	**0.14 J**	**0.38 J**	**0.12 J**
Pyrene	100	1000	**17**	**75**	**36**	**42**	**0.93**	**670**	**0.12 J**	**0.18 J**	**0.094 J**
Total PAH (17) (ND=0)	NE	NE	**140.4**	**828.5**	**603.09**	**881.08**	**9.286**	**5326**	**4.452**	**7.023**	**0.651**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-126 (4.5-5.0) 6/19/2019	SB-126 (7.0-7.5) 6/24/2019	SB-126 (21.0-21.5) 6/24/2019	SB-126 (46.5-47.0) 6/24/2019	SB-126 (49.0-49.5) 6/24/2019	SB-127 (6.0-6.5) 6/24/2019	SB-128 (17.5-18.0) 6/25/2019	SB-127 (38.0-38.5) 6/24/2019	SB-127 (59.5-60.0) 6/24/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	4.3 U	9 U	20 U	18 U	0.35 U	58 U	0.42 U	0.4 U	0.37 UJ
Benzaldehyde	NE	NE	4.3 U	9 U	20 U	18 U	0.35 U	58 U	0.42 U	0.4 U	0.37 U
Biphenyl (1,1-Biphenyl)	NE	NE	4.3 U	**1.2 J**	**13 J**	**16 J**	**0.2 J**	**67**	**0.027 J**	**0.069 J**	0.37 U
Bis(2-ethylhexyl)phthalate	NE	NE	4.3 U	9 U	20 U	18 U	0.35 U	58 U	0.42 U	0.4 U	0.37 U
Carbazole	NE	NE	4.3 U	**8.7 J**	20 U	**0.9 J**	0.35 U	**5 J**	**0.017 J**	**0.03 J**	**0.011 J**
2-Chloronaphthalene	NE	NE	4.3 U	9 U	20 U	18 U	0.35 U	58 U	0.42 U	0.4 U	0.37 U
2-Chlorophenol	NE	NE	4.3 U	9 U	20 U	18 U	0.35 U	58 U	0.42 U	0.4 U	0.37 UJ
Dibenzofuran	7	1000	**1.5 J**	**21**	**3 J**	**3.4 J**	**0.047 J**	58 U	**0.022 J**	**0.028 J**	0.37 U
2,4-Dimethylphenol	NE	NE	4.3 U	9 U	20 U	18 U	0.35 U	58 U	0.42 U	0.4 U	0.37 U
2,4-Dinitrotoluene	NE	NE	0.87 U	1.8 U	4 U	3.7 U	0.071 U	12 U	0.086 U	0.082 U	0.075 U
2-Methylnaphthalene	NE	NE	**6.9**	**110**	**110**	**170**	**1.3**	**430**	**0.22 J**	**0.27 J**	**0.026 J**
2-Methylphenol (o-Cresol)	0.33	1000	4.3 U	9 U	20 U	18 U	0.35 U	58 U	0.42 U	0.4 U	0.37 U
4-Methylphenol (p-Cresol)	0.33	1000	4.3 U	9 U	20 U	18 U	0.35 U	58 U	0.42 U	0.4 U	0.37 U
N-Nitrosodiphenylamine (NDFA)	NE	NE	4.3 U	9 U	20 U	18 U	0.35 U	58 U	0.42 U	0.4 U	0.37 U
Pentachlorophenol	0.8	55	3.5 U	7.2 U	16 U	15 U	0.28 U	46 U	0.34 UJ	0.32 U	0.3 U
Phenol	0.33	1000	4.3 U	9 U	20 U	18 U	0.35 U	58 U	0.42 U	0.4 U	0.37 U
Total SVOCs (ND=0)	NE	NE	**141.9**	**859.4**	**619.09**	**901.38**	**9.533**	**5398**	**4.518**	**7.15**	**0.662**
Total Metals (mg/kg)											
Aluminum	NE	NE	**9510**	**5670**	**6640**	**3350**	**7360**	**3570**	**8510**	**5800**	**5240**
Antimony	NE	NE	0.98 UJ	1.3 UJ	1.2 UJ	1.1 UJ	1 UJ	**4.9 J**	1.2 UJ	1.2 UJ	1.1 UJ
Arsenic	13	16	**2.7**	**9.8**	**3**	**0.9 J**	**1.1**	**165**	**8.3**	**3.8**	**1.9**
Barium	350	10000	**62.7**	**46.8 J**	**56.8 J**	**28.8 J**	**40.7 J**	**108 J**	**23.8 J**	**32 J**	**47**
Beryllium	7.2	2700	**0.37 J**	**0.69**	**0.28 J**	0.42 U	0.41 U	**1**	**0.41 J**	**0.3 J**	**0.19 J**
Cadmium	2.5	60	0.98 U	**6.2**	1.2 U	1.1 U	1 U	**2**	1.2 U	1.2 U	1.1 U
Calcium	NE	NE	**30200**	**1680**	**2360**	**2130**	**10100**	**3510**	**2380**	**2880**	**3080**
Chromium	NE	NE	**18.4 J**	**11.9 J**	**14 J**	**6.7 J**	**16.7 J**	**14.4 J**	**15.8 J**	**14.3 J**	**13.1 J**
Cobalt	NE	NE	**6.7**	**17.5 J**	**8.1 J**	**3.7 J**	**6.1 J**	**8.7 J**	**7.3 J**	**5.9 J**	**5.2**
Copper	50	10000	**29.7**	**635 J**	**22.7 J**	**12.5 J**	**27.3 J**	**107 J**	**15 J**	**8.7 J**	**20.1**
Iron	NE	NE	**14400**	**14400**	**16600**	**6160**	**10200**	**15400**	**20900**	**13900**	**11500**
Lead	63	3900	**87.7 J**	**77.2 J**	**6.8 J**	**1.6 J**	**2.2 J**	**423 J**	**16.6 J**	**7.5 J**	**6.6 J**
Magnesium	NE	NE	**19500**	**856**	**3450**	**2210**	**4960**	**889**	**4110**	**3710**	**3040 J**
Manganese	1600	10000	**296**	**42.2**	**577**	**136**	**188**	**59.2**	**350**	**139**	**303**
Mercury	0.18	5.7	**0.77 J**	**0.37**	0.021 U	0.018 U	0.017 U	**0.37**	**0.065**	0.02 U	0.017 U
Nickel	30	10000	**14.7**	**40.9 J**	**20 J**	**11.4 J**	**19.5 J**	**31.9 J**	**16.3 J**	**12.9 J**	**16.2**
Potassium	NE	NE	**1260 J**	**621 J**	**1340 J**	**364 J**	**825 J**	**385 J**	**1360 J**	**1130 J**	**765 J**
Selenium	3.9	6800	4.9 U	**1.9 J**	5.8 U	5.3 U	5.1 U	**7.6 J**	6.2 U	5.9 U	5.6 U
Silver	2	6800	0.98 U	1.3 U	1.2 U	1.1 U	1 U	1.7 U	1.2 U	1.2 U	1.1 U
Sodium	NE	NE	**449 J**	**205 J**	**236 J**	**270 J**	**891 J**	**674 J**	**248 J**	**147 J**	**411 J**
Thallium	NE	NE	**0.14 J**	**0.43 J**	**0.14 J**	0.42 U	0.41 U	**2.2**	0.5 U	0.47 U	0.45 U
Vanadium	NE	NE	**24.6 J**	**15.5 J**	**19.6 J**	**11.1 J**	**19.9 J**	**23.9 J**	**18.6 J**	**16.3 J**	**18.5 J**
Zinc	109	10000	**97.8**	**1150**	**37.1**	**10.1**	**14**	**209**	**42.8**	**35.4**	**18.7**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	**0.46 J**	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Total Cyanide	27	10000	**4.1 J**	**0.52**	0.25 U	0.24 U	0.22 U	**4.1**	0.28 U	0.24 U	0.25 U
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	Duplicate of SB-127 (59.5-60.0) 6/24/2019	SB-128 (9.0-9.5) 6/25/2019	SB-129 (16.0-16.5) 6/25/2019	SB-128 (46.5-47.0) 6/25/2019	SB-128 (79.0-79.5) 6/25/2019	SB-129 (5.0-5.5) 6/20/2019	SB-129 (83.0-83.5) 6/25/2019	SB-130 (5.0-5.5) 6/20/2019	SB-130 (9.5-10.0) 6/26/2019
BTEX (mg/kg)											
Benzene	0.06	89	0.00096 U	**3.1**	**0.079 J**	**0.0068**	**0.00024 J**	0.0011 UJ	0.0011 U	0.0012 UJ	**8**
Toluene	0.7	1000	0.00096 U	**2.1**	0.13 U	0.001 U	**0.0028**	0.0011 UJ	0.0011 U	0.0012 UJ	**2.7**
Ethylbenzene	1	780	0.00096 U	**110**	**5.8**	**0.019**	**0.00055 J**	0.0011 UJ	0.0011 U	0.0012 UJ	**95**
o-Xylene	0.26	1000	0.00096 U	**17**	**1.8**	**0.0037**	**0.00017 J**	0.0011 UJ	0.0011 U	0.0012 UJ	**7.4**
m/p-Xylene	0.26	1000	**0.00025 J**	**11**	**2.1**	**0.0081**	**0.00036 J**	0.0011 UJ	0.0011 U	0.0012 UJ	**7.4**
Total BTEX (ND=0)	NE	NE	**0.00025**	**143.2**	**9.779**	**0.0376**	**0.00412**	ND	ND	ND	**120.5**
Other VOCs (mg/kg)											
Acetone	0.05	1000	0.0057 U	1.6 U	0.66 U	0.0094 U	0.0053 U	0.0069 UJ	0.0064 U	0.0071 UJ	4.4 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	0.0096 U	3.2 U	1.3 U	0.01 U	0.0089 U	0.011 UJ	0.011 U	0.012 UJ	8.8 U
Carbon disulfide	NE	NE	0.00096 U	0.32 UJ	0.13 UJ	**0.00066 J**	0.00089 UJ	0.0011 UJ	0.0011 UJ	0.0012 UJ	0.88 UJ
Carbon tetrachloride	0.76	44	0.00096 UJ	0.32 U	0.13 U	0.001 U	0.00089 UJ	0.0011 UJ	0.0011 U	0.0012 UJ	0.88 U
Chloroform (Trichloromethane)	0.37	700	0.00096 U	0.32 U	0.13 U	0.001 U	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	0.88 U
Cyclohexane	NE	NE	0.00096 U	**15**	**0.58**	**0.00047 J**	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	**2.4**
1,2-Dichloroethane	0.02	60	0.00096 U	0.32 U	0.13 U	0.001 U	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	0.88 U
cis-1,2-Dichloroethene	0.25	1000	0.00096 U	0.32 U	0.13 U	0.001 U	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	0.88 U
Isopropylbenzene	NE	NE	0.00096 U	**13**	**5.4**	**0.0014**	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	**37**
Methyl acetate	NE	NE	0.0048 UJ	1.6 U	**0.15 J**	0.0051 UJ	0.0044 UJ	0.0057 UJ	0.0053 UJ	0.0059 UJ	4.4 U
Methyl ethyl ketone (2-Butanone)	0.12	1000	0.0048 UJ	1.6 U	0.66 U	0.0051 UJ	0.0044 UJ	0.0057 UJ	0.0053 UJ	0.0059 UJ	4.4 U
Methyl tert-butyl ether (MTBE)	0.93	1000	0.00096 U	0.32 U	0.13 U	0.001 U	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	0.88 U
Methylcyclohexane	NE	NE	0.00096 U	**66**	**1.9**	**0.00074 J**	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	**19**
Methylene chloride	0.05	1000	0.00096 U	0.32 U	0.13 U	0.001 U	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	0.88 U
Styrene	NE	NE	0.00096 U	**0.23 J**	**0.1 J**	0.001 U	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	**0.59 J**
Tetrachloroethene (PCE)	1.3	300	0.00096 U	0.32 U	0.13 U	0.001 U	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	0.88 U
Trichloroethene (TCE)	0.47	400	0.00096 U	0.32 U	0.13 U	0.001 U	0.00089 U	0.0011 UJ	0.0011 U	0.0012 UJ	0.88 U
Total VOCs (ND=0)	NE	NE	**0.00025**	**237.43**	**17.909**	**0.04087**	**0.00412**	ND	ND	ND	**179.49**
PAHs (mg/kg)											
Acenaphthene	20	1000	**0.03 J**	**140**	**60**	0.39 U	0.36 U	**0.042 J**	0.36 U	0.4 U	**1100**
Acenaphthylene	100	1000	**0.017 J**	**7.5 J**	**7.9 J**	0.39 U	0.36 U	**0.5**	0.36 U	**0.049 J**	**97 J**
Anthracene	100	1000	**0.05 J**	**61**	**24**	0.39 U	0.36 U	**0.41**	0.36 U	**0.02 J**	**420**
Benzo(a)anthracene	1	11	**0.056**	**31**	**16**	0.039 U	0.036 U	**2.2**	0.036 U	**0.032 J**	**300**
Benzo(b)fluoranthene	1	11	**0.048**	**21**	**10**	0.039 U	0.036 U	**2.5**	0.036 U	**0.038 J**	**200**
Benzo(k)fluoranthene	0.8	110	**0.015 J**	**8.1**	**3.9**	0.039 U	0.036 U	**0.8**	0.036 U	**0.015 J**	**72**
Benzo(g,h,i)perylene	100	1000	**0.025 J**	**13 J**	**4.8 J**	0.39 U	0.36 U	**1.6**	0.36 U	**0.033 J**	**120 J**
Benzo(a)pyrene	1	1.1	**0.044**	**25**	**12**	0.039 U	0.036 U	**2**	0.036 U	**0.029 J**	**240**
Chrysene	1	110	**0.051 J**	**32**	**15 J**	0.39 U	0.36 U	**2.3**	0.36 U	**0.025 J**	**270**
Dibenz(a,h)anthracene	0.33	1.1	0.037 U	**1.7 J**	**1.1 J**	0.039 U	0.036 U	**0.46**	0.036 U	0.04 U	**19 J**
Fluoranthene	100	1000	**0.11 J**	**71**	**30**	**0.017 J**	0.36 U	**2.3**	0.36 U	**0.028 J**	**540**
Fluorene	30	1000	**0.026 J**	**57**	**30**	0.39 U	0.36 U	**0.1 J**	0.36 U	0.4 U	**440**
Indeno(1,2,3-cd)pyrene	0.5	11	0.037 U	**12**	**5.1**	0.039 U	0.036 U	**1.6**	0.036 U	**0.03 J**	**100**
2-Methylnaphthalene	NE	NE	**0.064 J**	**100**	**160**	**0.016 J**	0.36 U	**0.26 J**	0.36 U	0.4 U	**1500**
Naphthalene	12	1000	**0.25 J**	**360**	**210**	**0.082 J**	0.36 U	**0.57**	0.36 U	0.4 U	**4000**
Phenanthrene	100	1000	**0.14 J**	**200**	**89**	**0.044 J**	0.36 U	**1.5**	0.36 U	**0.02 J**	**1600**
Pyrene	100	1000	**0.1 J**	**110**	**40**	0.39 U	0.36 U	**4**	0.36 U	**0.028 J**	**880**
Total PAH (17) (ND=0)	NE	NE	**1.026**	**1250.3**	**718.8**	**0.159**	0	**23.142**	0	**0.347**	**11898**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	Duplicate of SB-127 (59.5-60.0) 6/24/2019	SB-128 (9.0-9.5) 6/25/2019	SB-129 (16.0-16.5) 6/25/2019	SB-128 (46.5-47.0) 6/25/2019	SB-128 (79.0-79.5) 6/25/2019	SB-129 (5.0-5.5) 6/20/2019	SB-129 (83.0-83.5) 6/25/2019	SB-130 (5.0-5.5) 6/20/2019	SB-130 (9.5-10.0) 6/26/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	0.37 U	22 U	20 U	0.39 U	0.36 U	0.41 U	0.36 U	0.4 U	250 U
Benzaldehyde	NE	NE	0.37 U	22 U	20 U	0.39 U	0.36 U	0.41 UJ	0.36 U	0.4 UJ	250 U
Biphenyl (1,1-Biphenyl)	NE	NE	0.37 U	**8.1 J**	**16 J**	0.39 U	0.36 U	**0.092 J**	0.36 U	0.4 U	**190 J**
Bis(2-ethylhexyl)phthalate	NE	NE	0.37 U	22 U	20 U	0.39 U	0.36 U	0.41 U	0.36 U	0.4 U	250 U
Carbazole	NE	NE	**0.014 J**	22 U	**0.68 J**	0.39 U	0.36 U	**0.052 J**	0.36 U	0.4 U	250 U
2-Chloronaphthalene	NE	NE	0.37 U	22 U	20 U	0.39 U	0.36 U	0.41 U	0.36 U	0.4 U	250 U
2-Chlorophenol	NE	NE	0.37 U	22 U	20 U	0.39 U	0.36 U	0.41 U	0.36 U	0.4 U	250 U
Dibenzofuran	7	1000	**0.014 J**	22 U	**5.6 J**	0.39 U	0.36 U	**0.053 J**	0.36 U	0.4 U	**17 J**
2,4-Dimethylphenol	NE	NE	0.37 U	22 U	20 U	0.39 U	0.36 U	0.41 U	0.36 U	0.4 U	250 U
2,4-Dinitrotoluene	NE	NE	0.076 U	4.4 U	4.1 U	0.08 U	0.074 U	0.084 U	0.074 U	0.08 U	51 U
2-Methylnaphthalene	NE	NE	**0.064 J**	**100**	**160**	**0.016 J**	0.36 U	**0.26 J**	0.36 U	0.4 U	**1500**
2-Methylphenol (o-Cresol)	0.33	1000	0.37 U	22 U	20 U	0.39 U	0.36 U	0.41 U	0.36 U	0.4 U	250 U
4-Methylphenol (p-Cresol)	0.33	1000	0.37 U	22 U	20 U	0.39 U	0.36 U	0.41 U	0.36 U	0.4 U	250 U
N-Nitrosodiphenylamine (NDFA)	NE	NE	0.37 U	22 U	20 U	0.39 U	0.36 U	0.41 U	0.36 U	0.4 U	250 U
Pentachlorophenol	0.8	55	0.3 U	17 U	16 U	0.32 UJ	0.29 UJ	0.33 U	0.29 UJ	0.32 U	200 U
Phenol	0.33	1000	0.37 U	22 U	20 U	0.39 U	0.36 U	0.41 U	0.36 U	0.4 U	250 U
Total SVOCs (ND=0)	NE	NE	**1.054**	**1258.4**	**741.08**	**0.159**	0	**23.339**	0	**0.347**	**12105**
Total Metals (mg/kg)											
Aluminum	NE	NE	**7490**	**3870**	**5220**	**2670**	**10100**	**4330**	**4570**	**18100**	**5000**
Antimony	NE	NE	0.94 UJ	1.3 UJ	1.2 UJ	1.2 UJ	1.1 UJ	0.99 UJ	1.1 UJ	**0.71 J**	1.2 UJ
Arsenic	13	16	**1.3**	**3.5**	**3.5**	**0.6 J**	**1.2**	**3.2**	**0.85 J**	**102**	**5**
Barium	350	10000	**51.1 J**	**32.2 J**	**53.6 J**	**15.7 J**	**202 J**	**28.8**	**34.4 J**	**248**	**49.7 J**
Beryllium	7.2	2700	**0.18 J**	0.51 U	**0.22 J**	**0.2 J**	0.43 U	**0.29 J**	0.43 U	**1.1**	**0.36 J**
Cadmium	2.5	60	0.94 U	1.3 U	1.2 U	1.2 U	1.1 U	0.99 U	1.1 U	**2**	1.2 U
Calcium	NE	NE	**4540**	**829**	**2960**	**1710**	**9320**	**1200**	**19000**	**4860**	**1830**
Chromium	NE	NE	**21.8 J**	**16 J**	**12.8 J**	**7.5 J**	**19.7 J**	**8.1 J**	**9.6 J**	**292 J**	**12.1 J**
Cobalt	NE	NE	**6.4 J**	**16 J**	**4.9 J**	**2.6 J**	**7.4 J**	**3.4**	**4 J**	**14.2**	**6.5 J**
Copper	50	10000	**20.8 J**	**23.5 J**	**11.1 J**	**4.5 J**	**53.3 J**	**211**	**15.9 J**	**65.9**	**41.7 J**
Iron	NE	NE	**13400**	**6800**	**11600**	**5980**	**8680**	**4960**	**7710**	**28400**	**13100**
Lead	63	3900	**4.4 J**	**80.2 J**	**36.4 J**	**2.9 J**	**2.4 J**	**37.7 J**	**3.2 J**	**78.3 J**	**81 J**
Magnesium	NE	NE	**5280 J**	**599**	**2730**	**1950**	**4350**	**545**	**7000**	**4260**	**1300**
Manganese	1600	10000	**333**	**19.8**	**220**	**185**	**1520**	**51.4**	**247**	**679**	**69.6**
Mercury	0.18	5.7	0.017 U	**0.41**	**0.046**	0.02 U	0.017 U	**0.27 J**	0.017 U	**0.3 J**	**0.36**
Nickel	30	10000	**17.1 J**	**78.6 J**	**11.6 J**	**5.7 J**	**24.1 J**	**10.1**	**10.4 J**	**23.4**	**18.2 J**
Potassium	NE	NE	**1360 J**	**251 J**	**774 J**	**752 J**	**650 J**	**177 J**	**695 J**	**2070 J**	**337 J**
Selenium	3.9	6800	4.7 U	**2.2 J**	5.9 U	5.8 U	5.4 U	**1.1 J**	5.4 U	**0.73 J**	**4.5 J**
Silver	2	6800	0.94 U	1.3 U	1.2 U	1.2 U	1.1 U	0.99 U	1.1 U	0.9 U	1.2 U
Sodium	NE	NE	**495 J**	**288 J**	**151 J**	**75.1 J**	**1240 J**	**525 J**	**247 J**	**508 J**	**203 J**
Thallium	NE	NE	0.38 U	0.51 U	0.47 U	0.46 U	0.43 U	0.4 U	0.43 U	**0.51**	**0.25 J**
Vanadium	NE	NE	**24.8 J**	**23.4 J**	**15.3 J**	**7.8 J**	**26.6 J**	**7.9 J**	**12.6 J**	**42 J**	**13 J**
Zinc	109	10000	**27.7**	**264**	**28.5**	**11**	**13.9**	**52.2**	**15.6**	**686**	**104**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	0.24 U	**1.9**	0.24 U	0.24 U	0.24 U	0.24 UJ	0.24 U	0.24 UJ	0.24 U
Total Cyanide	27	10000	0.24 U	**5**	0.25 U	0.27 U	0.24 U	**0.78 J**	0.25 U	**0.14 J**	**0.58**
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-130 (16.5-17.0) 6/26/2019	SB-130 (56.5-57.0) 6/26/2019	SB-130 (89.0-89.5) 6/26/2019	SB-130 (94-94.5) 6/26/2019	SB-131 (5.0-5.5) 6/20/2019	SB-131 (15.5-16.0) 6/27/2019	SB-131 (17.0-17.5) 6/27/2019	Duplicate of SB-131 (17.0-17.5) 6/27/2019	SB-131 (88.0-88.5) 6/27/2019
BTEX (mg/kg)											
Benzene	0.06	89	**3.1**	**0.0016 J**	0.00086 U	0.095 U	0.0011 U	**76**	**5.5**	**4.7**	**26**
Toluene	0.7	1000	0.13 U	**0.0019 J**	**0.0012**	**0.15**	0.0011 U	5 U	0.13 U	0.13 U	**530**
Ethylbenzene	1	780	**8.7**	**0.0082**	**0.00042 J**	**8.3**	0.0011 U	**350**	**6.9**	**6.4**	**98**
o-Xylene	0.26	1000	**2.6**	**0.0035**	**0.0023**	**17**	0.0011 U	**18**	**0.68**	**0.51**	**190**
m/p-Xylene	0.26	1000	**3.3**	**0.0039**	**0.003**	**47**	0.0011 U	**20**	**1.2**	**0.99**	**450**
Total BTEX (ND=0)	NE	NE	**17.7**	**0.0191**	**0.00692**	**72.45**	ND	**464**	**14.28**	**12.6**	**1294**
Other VOCs (mg/kg)											
Acetone	0.05	1000	0.67 U	0.023 U	0.0058 U	0.47 U	0.0065 U	25 U	0.66 U	0.67 U	48 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	1.3 U	0.02 U	0.0086 U	0.95 U	0.011 U	50 U	1.3 U	1.3 U	96 U
Carbon disulfide	NE	NE	0.13 UJ	**0.00057 J**	0.00086 UJ	0.095 UJ	0.0011 UJ	5 UJ	0.13 UJ	0.13 UJ	9.6 UJ
Carbon tetrachloride	0.76	44	0.13 U	0.002 U	0.00086 U	0.095 U	0.0011 U	5 U	0.13 U	0.13 U	9.6 U
Chloroform (Trichloromethane)	0.37	700	0.13 U	0.002 U	0.00086 U	0.095 U	0.0011 U	5 U	0.13 U	0.13 U	9.6 U
Cyclohexane	NE	NE	0.13 U	0.002 U	0.00086 U	**0.25**	0.0011 U	5 U	0.13 U	0.13 U	9.6 U
1,2-Dichloroethane	0.02	60	0.13 U	0.002 U	0.00086 U	0.095 U	0.0011 U	5 U	0.13 U	0.13 U	9.6 U
cis-1,2-Dichloroethene	0.25	1000	0.13 U	0.002 U	0.00086 U	0.095 U	0.0011 U	5 U	0.13 U	0.13 U	9.6 U
Isopropylbenzene	NE	NE	**0.55**	**0.0014 J**	**0.00014 J**	**0.61**	0.0011 U	**31**	**0.45**	**0.45**	**3.3 J**
Methyl acetate	NE	NE	0.67 U	0.01 U	0.0043 U	0.47 U	0.0054 U	25 U	0.66 U	**0.13 J**	48 U
Methyl ethyl ketone (2-Butanone)	0.12	1000	0.67 U	0.01 U	0.0043 U	0.47 U	0.0054 UJ	25 U	0.66 U	0.67 U	48 U
Methyl tert-butyl ether (MTBE)	0.93	1000	0.13 U	0.002 U	0.00086 U	0.095 U	0.0011 U	5 U	0.13 U	0.13 U	9.6 U
Methylcyclohexane	NE	NE	0.13 U	0.002 U	0.00086 U	**1.1**	0.0011 U	**3.6 J**	**0.07 J**	**0.067 J**	**5.7 J**
Methylene chloride	0.05	1000	0.13 U	0.002 U	0.00086 U	0.095 U	0.0011 U	5 U	0.13 U	0.13 U	9.6 U
Styrene	NE	NE	0.13 U	0.002 U	**0.0013**	**19**	0.0011 U	5 U	0.13 U	0.13 U	**310**
Tetrachloroethene (PCE)	1.3	300	0.13 U	0.002 U	0.00086 U	0.095 U	0.0011 U	5 U	0.13 U	0.13 U	9.6 U
Trichloroethene (TCE)	0.47	400	0.13 U	0.002 U	0.00086 U	0.095 U	0.0011 U	5 U	0.13 U	0.13 U	9.6 U
Total VOCs (ND=0)	NE	NE	**18.25**	**0.02107**	**0.00836**	**93.41**	ND	**498.6**	**14.8**	**13.247**	**1613**
PAHs (mg/kg)											
Acenaphthene	20	1000	**1.5 J**	0.42 U	0.37 U	**3.9 J**	**0.045 J**	**82**	**1.2 J**	**1 J**	**15 J**
Acenaphthylene	100	1000	**0.35 J**	0.42 U	0.37 U	**30**	**0.11 J**	**12 J**	**0.13 J**	**0.13 J**	**120**
Anthracene	100	1000	**0.55 J**	0.42 U	0.37 U	**14 J**	**0.14 J**	**41**	**0.51 J**	**0.41 J**	**66 J**
Benzo(a)anthracene	1	11	0.24 U	0.042 U	0.037 U	**10**	**0.47**	**22**	**0.38 J**	**0.29 J**	**60**
Benzo(b)fluoranthene	1	11	**0.11 J**	0.042 U	0.037 U	**6.9**	**0.56**	**11**	**0.2 J**	**0.16 J**	**29**
Benzo(k)fluoranthene	0.8	110	**0.049 J**	0.042 U	0.037 U	**2**	**0.27**	**3.6**	**0.081 J**	**0.058 J**	**14**
Benzo(g,h,i)perylene	100	1000	**0.16 J**	0.42 U	0.37 U	**2.4 J**	**0.39 J**	**5.6 J**	2.3 UJ	**0.069 J**	**19 J**
Benzo(a)pyrene	1	1.1	**0.14 J**	0.042 U	0.037 U	**7.8**	**0.48**	**13**	**0.24 J**	**0.2 J**	**42**
Chrysene	1	110	**0.19 J**	**0.012 J**	0.37 U	**9.6 J**	**0.52**	**23**	**0.37 J**	**0.3 J**	**49 J**
Dibenz(a,h)anthracene	0.33	1.1	0.24 U	0.042 U	0.037 U	1.8 U	**0.088**	**1.6 J**	0.23 UJ	0.047 U	**6.4 J**
Fluoranthene	100	1000	**0.37 J**	**0.02 J**	0.37 U	**17 J**	**0.76**	**40**	**0.57 J**	**0.46 J**	**96**
Fluorene	30	1000	**0.64 J**	**0.015 J**	0.37 U	**22**	**0.041 J**	**52**	**0.64 J**	**0.51 J**	**100**
Indeno(1,2,3-cd)pyrene	0.5	11	**0.1 J**	0.042 U	0.037 U	**2.4**	**0.39**	**4.6**	**0.092 J**	**0.071**	**16**
2-Methylnaphthalene	NE	NE	**3.6**	**0.046 J**	**0.013 J**	**87**	**0.028 J**	**190**	**2.8 J**	**2 J**	**310**
Naphthalene	12	1000	**27**	**0.098 J**	**0.039 J**	**260**	**0.058 J**	**230**	**21 J**	**9.2 J**	**660**
Phenanthrene	100	1000	**1.9 J**	**0.058 J**	**0.018 J**	**56**	**0.5**	**150**	**1.9 J**	**1.6 J**	**300**
Pyrene	100	1000	**0.52 J**	**0.033 J**	0.37 U	**27**	**1**	**63**	**0.96 J**	**0.71 J**	**140**
Total PAH (17) (ND=0)	NE	NE	**37.179**	**0.282**	**0.07**	**558**	**5.85**	**944.4**	**31.073**	**17.168**	**2042.4**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-130 (16.5-17.0) 6/26/2019	SB-130 (56.5-57.0) 6/26/2019	SB-130 (89.0-89.5) 6/26/2019	SB-130 (94-94.5) 6/26/2019	SB-131 (5.0-5.5) 6/20/2019	SB-131 (15.5-16.0) 6/27/2019	SB-131 (17.0-17.5) 6/27/2019	Duplicate of SB-131 (17.0-17.5) 6/27/2019	SB-131 (88.0-88.5) 6/27/2019
Other SVOCs (mg/kg)											
Acetophenone	NE	NE	2.4 U	0.42 U	0.37 U	18 U	0.4 U	21 U	2.3 UJ	0.47 U	74 U
Benzaldehyde	NE	NE	2.4 U	0.42 U	0.37 U	18 U	0.4 UJ	21 U	2.3 UJ	0.47 U	74 U
Biphenyl (1,1-Biphenyl)	NE	NE	**0.29 J**	0.42 U	0.37 U	**12 J**	0.4 U	**19 J**	**0.26 J**	**0.22 J**	**52 J**
Bis(2-ethylhexyl)phthalate	NE	NE	2.4 U	0.42 U	0.37 U	18 U	0.4 U	21 U	2.3 UJ	0.47 UJ	74 U
Carbazole	NE	NE	**0.15 J**	0.42 U	0.37 U	18 U	**0.024 J**	**1.4 J**	2.3 UJ	**0.05 J**	74 U
2-Chloronaphthalene	NE	NE	2.4 U	0.42 U	0.37 U	18 U	0.4 U	21 U	2.3 UJ	0.47 U	74 U
2-Chlorophenol	NE	NE	2.4 U	0.42 U	0.37 U	18 U	0.4 U	21 U	2.3 UJ	0.47 U	74 U
Dibenzofuran	7	1000	**0.28 J**	0.42 U	0.37 U	**1.6 J**	**0.018 J**	**6 J**	**0.1 J**	**0.1 J**	**6.2 J**
2,4-Dimethylphenol	NE	NE	2.4 U	0.42 U	0.37 U	18 U	0.4 U	21 U	2.3 UJ	0.47 U	74 U
2,4-Dinitrotoluene	NE	NE	0.49 U	0.086 U	0.074 U	3.7 U	0.081 U	4.2 U	0.47 UJ	0.096 U	15 U
2-Methylnaphthalene	NE	NE	**3.6**	**0.046 J**	**0.013 J**	**87**	**0.028 J**	**190**	**2.8 J**	**2 J**	**310**
2-Methylphenol (o-Cresol)	0.33	1000	2.4 U	0.42 U	0.37 U	18 U	0.4 U	21 U	2.3 UJ	0.47 U	74 U
4-Methylphenol (p-Cresol)	0.33	1000	2.4 U	0.42 U	0.37 U	18 U	0.4 U	21 U	2.3 UJ	0.47 U	74 U
N-Nitrosodiphenylamine (NDFA)	NE	NE	2.4 U	0.42 U	0.37 U	18 U	0.4 U	21 U	2.3 UJ	0.47 UJ	74 U
Pentachlorophenol	0.8	55	1.9 U	0.34 U	0.3 U	15 U	0.32 U	17 U	1.9 UJ	0.38 U	60 U
Phenol	0.33	1000	2.4 U	0.42 U	0.37 U	18 U	0.4 U	21 U	2.3 UJ	0.47 U	74 U
Total SVOCs (ND=0)	NE	NE	**37.899**	**0.282**	**0.07**	**571.6**	**5.892**	**970.8**	**31.433**	**17.538**	**2100.6**
Total Metals (mg/kg)											
Aluminum	NE	NE	**12700**	**9680**	**12900**	**3120**	**4580**	**7930**	**12500**	**12300**	**3790**
Antimony	NE	NE	1.1 UJ	0.95 UJ	0.86 UJ	0.85 UJ	0.97 UJ	**0.65 J**	1.4 UJ	1.3 UJ	1.1 UJ
Arsenic	13	16	**9.7**	**3.7**	**0.92**	**0.85**	**3.7**	**9.7**	**9.8**	**6.6**	**1 J**
Barium	350	10000	**28.9 J**	**68.3 J**	**97.2 J**	**18.9 J**	**31.1**	**201 J**	**30.4 J**	**29.1 J**	**31.6 J**
Beryllium	7.2	2700	**0.61**	**0.57**	**0.24 J**	0.34 U	**0.29 J**	**0.42 J**	**0.86**	**0.62**	0.42 U
Cadmium	2.5	60	1.1 U	0.95 U	0.86 U	0.85 U	0.97 U	1.2 U	1.4 U	1.3 U	1.1 U
Calcium	NE	NE	**2700**	**16900**	**8810**	**11700**	**1220**	**42200**	**2590**	**2960**	**8060**
Chromium	NE	NE	**23.3 J**	**17.4 J**	**11.2 J**	**9.2 J**	**8.3 J**	**21.8 J**	**22.8 J**	**22.8 J**	**13.4 J**
Cobalt	NE	NE	**10.6 J**	**7.8 J**	**4.8 J**	**3.9 J**	**3.6**	**8 J**	**10.5 J**	**10.5 J**	**3.4 J**
Copper	50	10000	**13 J**	**9.8 J**	**17.4 J**	**12.6 J**	**224**	**29 J**	**12.8 J**	**13 J**	**9.2 J**
Iron	NE	NE	**29500**	**20100**	**18100**	**7380**	**5230**	**17400**	**28800**	**27900**	**6330**
Lead	63	3900	**12.1 J**	**8.3 J**	**2.2 J**	**2.2 J**	**39.2 J**	**400 J**	**12 J**	**12.7 J**	**4.8 J**
Magnesium	NE	NE	**6260**	**6650**	**13200**	**7770**	**573**	**21000**	**5850**	**6070**	**4230**
Manganese	1600	10000	**499**	**301**	**402**	**160**	**54.9**	**193**	**490**	**553**	**149**
Mercury	0.18	5.7	**0.068**	**0.014 J**	0.019 U	0.017 U	**0.16 J**	**0.23**	**0.13 J**	**0.021 J**	0.018 U
Nickel	30	10000	**23.3 J**	**17.9 J**	**8.8 J**	**16.3 J**	**10.6**	**18.9 J**	**23.5 J**	**23.5 J**	**9.5 J**
Potassium	NE	NE	**2170 J**	**1700 J**	**5920 J**	**488 J**	**183 J**	**931 J**	**2220 J**	**2170 J**	**798 J**
Selenium	3.9	6800	5.7 U	4.7 U	4.3 U	4.3 U	**1.1 J**	**1.3 J**	7 U	6.7 U	5.3 U
Silver	2	6800	1.1 U	0.95 U	0.86 U	0.85 U	0.97 U	1.2 U	1.4 U	1.3 U	1.1 U
Sodium	NE	NE	**539 J**	**248 J**	**260 J**	**207 J**	**552 J**	**544 J**	**485 J**	**510 J**	**188 J**
Thallium	NE	NE	**0.14 J**	0.38 U	**0.38**	0.34 U	0.39 U	0.5 U	0.56 U	0.54 U	0.42 U
Vanadium	NE	NE	**25.9 J**	**20.3 J**	**21.7 J**	**13 J**	**8.3 J**	**24.6 J**	**26.8 J**	**25.8 J**	**12.2 J**
Zinc	109	10000	**66.1**	**44.9**	**62.8**	**10.5**	**55.9**	**202**	**64.7**	**65.1**	**13.5**
Cyanides (mg/kg)											
Amenable Cyanide	NE	NE	0.24 U	0.24 U	0.24 U	0.24 U	0.24 UJ	0.24 U	0.24 U	0.24 U	0.24 U
Total Cyanide	27	10000	0.33 U	0.3 U	0.22 U	0.24 U	**0.75 J**	0.3 U	0.34 U	0.32 U	0.24 U
Other (mg/kg)											
Diesel Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-131 (94.0-94.5) 6/27/2019	TP-102 (6.5-7.0) 4/2/2019	TP-103 (3.0) 4/1/2019	TP-103 (6.5) 4/1/2019
BTEX (mg/kg)						
Benzene	0.06	89	**0.68 J**	**710**	**1 J**	**2.1**
Toluene	0.7	1000	**88**	**290**	**1.3 J**	**0.55**
Ethylbenzene	1	780	**36**	**1100**	**180**	**16**
o-Xylene	0.26	1000	**50**	**760**	**120**	**7**
m/p-Xylene	0.26	1000	**120**	**1600**	**690**	**17**
Total BTEX (ND=0)	NE	NE	**294.68**	**4460**	**992.3**	**42.65**
Other VOCs (mg/kg)						
Acetone	0.05	1000	4.2 U	49 U	10 U	0.98 U
t-Butyl alcohol (Tertiary Butyl Alcohol)	NE	NE	8.5 U	97 U	20 U	2 U
Carbon disulfide	NE	NE	0.85 UJ	9.7 U	2 U	0.2 U
Carbon tetrachloride	0.76	44	0.85 U	9.7 UJ	2 UJ	0.2 UJ
Chloroform (Trichloromethane)	0.37	700	0.85 U	9.7 U	2 U	0.2 U
Cyclohexane	NE	NE	**0.27 J**	9.7 U	2 U	0.2 U
1,2-Dichloroethane	0.02	60	0.85 U	9.7 U	2 U	0.2 U
cis-1,2-Dichloroethene	0.25	1000	0.85 U	9.7 U	2 U	0.2 U
Isopropylbenzene	NE	NE	**1**	**99**	**6**	**1.3**
Methyl acetate	NE	NE	4.2 U	49 UJ	10 UJ	0.98 UJ
Methyl ethyl ketone (2-Butanone)	0.12	1000	4.2 U	49 U	10 U	0.98 U
Methyl tert-butyl ether (MTBE)	0.93	1000	0.85 U	9.7 U	2 U	0.2 U
Methylcyclohexane	NE	NE	**0.72 J**	9.7 U	2 U	0.2 U
Methylene chloride	0.05	1000	0.85 U	9.7 U	2 U	0.2 U
Styrene	NE	NE	**33**	**8.2 J**	2 U	0.2 U
Tetrachloroethene (PCE)	1.3	300	0.85 U	9.7 U	2 U	0.2 U
Trichloroethene (TCE)	0.47	400	0.85 U	9.7 U	2 U	0.2 U
Total VOCs (ND=0)	NE	NE	**329.67**	**4567.2**	**998.3**	**43.95**
PAHs (mg/kg)						
Acenaphthene	20	1000	**12 J**	**500 J**	**130**	**47**
Acenaphthylene	100	1000	**49**	**210 J**	**25**	**28**
Anthracene	100	1000	**41**	**400 J**	**57**	**37**
Benzo(a)anthracene	1	11	**30**	**260**	**45**	**20**
Benzo(b)fluoranthene	1	11	**17**	**140**	**40**	**13**
Benzo(k)fluoranthene	0.8	110	**7.2**	**54**	**15**	**5.2**
Benzo(g,h,i)perylene	100	1000	**8 J**	**58 J**	**14 J**	**6.9 J**
Benzo(a)pyrene	1	1.1	**23**	**150**	**48**	**15**
Chrysene	1	110	**29 J**	**240 J**	**42**	**19 J**
Dibenz(a,h)anthracene	0.33	1.1	**2.4 J**	52 U	**3**	**1.4 J**
Fluoranthene	100	1000	**50**	**470 J**	**82**	**39**
Fluorene	30	1000	**60**	**630**	**65**	**43**
Indeno(1,2,3-cd)pyrene	0.5	11	**8.8**	**54 J**	**18 J**	**7.9 J**
2-Methylnaphthalene	NE	NE	**240**	**2500**	**170**	**140**
Naphthalene	12	1000	**550**	**4800**	**320**	**280**
Phenanthrene	100	1000	**170**	**1700**	**180**	**120**
Pyrene	100	1000	**78**	**660**	**130**	**56**
Total PAH (17) (ND=0)	NE	NE	**1375.4**	**12826**	**1384**	**878.4**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Sample Name Sample Depth (feet) Sample Date	Unrestricted SCO	Industrial SCO	SB-131 (94.0-94.5) 6/27/2019	TP-102 (6.5-7.0) 4/2/2019	TP-103 (3.0) 4/1/2019	TP-103 (6.5) 4/1/2019
Other SVOCs (mg/kg)						
Acetophenone	NE	NE	37 U	520 U	20 U	20 U
Benzaldehyde	NE	NE	37 U	520 UJ	20 U	20 U
Biphenyl (1,1-Biphenyl)	NE	NE	**28 J**	**250 J**	**20**	**16 J**
Bis(2-ethylhexyl)phthalate	NE	NE	37 U	520 U	20 U	20 U
Carbazole	NE	NE	**1.1 J**	520 UJ	**2 J**	**1.6 J**
2-Chloronaphthalene	NE	NE	37 U	520 U	20 U	20 U
2-Chlorophenol	NE	NE	37 U	520 U	20 U	20 U
Dibenzofuran	7	1000	**5.7 J**	**68 J**	**5.1 J**	**3.7 J**
2,4-Dimethylphenol	NE	NE	37 U	520 U	20 U	20 U
2,4-Dinitrotoluene	NE	NE	7.5 U	100 U	4 U	4 U
2-Methylnaphthalene	NE	NE	**240**	**2500**	**170**	**140**
2-Methylphenol (o-Cresol)	0.33	1000	37 U	520 U	20 U	20 U
4-Methylphenol (p-Cresol)	0.33	1000	37 U	520 U	20 U	20 U
N-Nitrosodiphenylamine (NDFA)	NE	NE	37 U	520 UJ	20 U	20 U
Pentachlorophenol	0.8	55	30 U	420 UJ	16 UJ	16 UJ
Phenol	0.33	1000	37 U	520 U	20 U	20 U
Total SVOCs (ND=0)	NE	NE	**1410.2**	**13144**	**1411.1**	**899.7**
Total Metals (mg/kg)						
Aluminum	NE	NE	**3100**	**3430**	**6430**	**7560**
Antimony	NE	NE	1.1 UJ	**5.3 J**	0.8 UJ	0.98 UJ
Arsenic	13	16	**0.69 J**	**47.6**	**2.1**	**2.2**
Barium	350	10000	**22.3 J**	**225**	**35.1**	**53.8**
Beryllium	7.2	2700	0.42 U	**0.56 J**	**0.2 J**	**0.36 J**
Cadmium	2.5	60	1.1 U	**5.9**	0.8 U	0.98 U
Calcium	NE	NE	**10400**	**11400**	**4130**	**6040**
Chromium	NE	NE	**10 J**	**52.2**	**16.8**	**19.6**
Cobalt	NE	NE	**3 J**	**6**	**4.7**	**6.6**
Copper	50	10000	**14.1 J**	**281 J**	**24.9 J**	**24.6 J**
Iron	NE	NE	**5870**	**23700**	**11200**	**13100**
Lead	63	3900	**1.8 J**	**1340 J**	**78.4 J**	**40.9 J**
Magnesium	NE	NE	**3910**	**3140 J**	**2740 J**	**3830 J**
Manganese	1600	10000	**221**	**248**	**132**	**242**
Mercury	0.18	5.7	0.019 U	**1.2 J**	**0.18 J**	**0.049 J**
Nickel	30	10000	**7.9 J**	**22.9 J**	**12.8 J**	**18.3 J**
Potassium	NE	NE	**501 J**	**439**	**805**	**1050**
Selenium	3.9	6800	5.3 U	**21.4**	**0.28 J**	4.9 U
Silver	2	6800	1.1 U	**2.6**	0.8 U	0.98 U
Sodium	NE	NE	**149 J**	**211**	**652**	**688**
Thallium	NE	NE	0.42 U	**7.9**	**0.15 J**	**0.15 J**
Vanadium	NE	NE	**12.5 J**	**16.9 J**	**17.2 J**	**21.9 J**
Zinc	109	10000	**12**	**1010**	**43.3**	**36.2**
Cyanides (mg/kg)						
Amenable Cyanide	NE	NE	0.24 U	0.24 UJ	0.24 UJ	0.24 UJ
Total Cyanide	27	10000	0.27 U	**15.1 J**	**0.27 J**	**0.23 J**
Other (mg/kg)						
Diesel Range Organics	NE	NE	NA	**220000 J**	NA	**3900**
Gasoline Range Organics	NE	NE	NA	**4500**	NA	**140**

Table 3. Soil Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Notes:
Analytes in blue are not detected in any sample
mg/kg = milligrams/kilogram or parts per million (ppm)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
PAH = Polycyclic Aromatic Hydrocarbon
SVOC = Semi-Volatile Organic Compound
VOC = Volatile Organic Compound

Total BTEX, Total VOCs, Total PAHs, and Total SVOCs are calculated using detects only.
Total PAH17 is calculated using the list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, 2-Methylnaphthalene,

6 NYCRR = New York State Register and Official Compilation of Codes, Rules and Regulations of the State of New York
Comparison of detected results are performed against one or more of the following NYCRR, Chapter IV, Part 375-6 Soil Cleanup Objectives (SCO)s: Unrestricted Use, Residential, Restricted-Residential, Commercial, Industrial, Protection of Ecological Resources, or Protection of Groundwater

CAS No. = Chemical Abstracts Service Number
MGP = Manufactured Gas Plant
ND = Not Detected
NE = Not Established
NA = Not Analyzed

Bolding indicates a detected result concentration
Gray shading and bolding indicates that the detected result value exceeds the Unrestricted SCO
Yellow shading and bolding indicates that the detected result value exceeds the Industrial SCO

Validation Qualifiers:
J = The result is an estimated value.
R = The result is rejected.
U = The result was not detected above the reporting limit.
UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated.

Table 4 - Monitoring Well Construction Summary
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, New York

Well ID	Well Screen (feet bgs)		Total Depth (feet from TOR)	TOR Elevation (feet NAVD88)	Well Screen Elevation (feet NAVD88)		Sump Length (feet)	Screen Length (feet)	Screen Slot (inch)	Well Diameter (inch)	Well Material
	Top	Base			Top	Base					
MW-101	16.00	26.00	26.00	35.1956	19.20	9.20	0.00	10.00	0.02	2	PVC
MW-102	20.00	30.00	32.00	24.4135	4.41	-5.59	2.00	10.00	0.02	2	PVC
MW-103	20.00	30.00	32.00	22.9944	2.99	-7.01	2.00	10.00	0.02	2	PVC
MW-104	10.00	20.00	22.00	31.6674	21.67	11.67	2.00	10.00	0.02	2	PVC
MW-105	18.00	28.00	30.00	27.8150	9.82	-0.18	2.00	10.00	0.02	2	PVC
MW-106	10.00	20.00	20.00	9.78	-0.22	-10.22	0.00	10.00	0.02	2	PVC
MW-107	13.00	23.00	25.00	8.5284	-4.47	-14.47	2.00	10.00	0.02	2	PVC
MW-108	13.00	23.00	25.00	7.4360	-5.56	-15.56	2.00	10.00	0.02	2	PVC
MW-109	19.00	29.00	31.00	6.3080	-12.69	-22.69	2.00	10.00	0.02	2	PVC
MW-110	20.00	30.00	32.00	6.9213	-13.08	-23.08	2.00	10.00	0.02	2	PVC
MW-111	8.00	18.00	20.00	8.7981	0.80	-9.20	2.00	10.00	0.02	2	PVC
MW-112	4.00	14.00	16.00	7.6659	3.67	-6.33	2.00	10.00	0.02	2	PVC
MW-113	6.00	16.00	18.00	7.816	1.82	-8.18	2.00	10.00	0.02	2	PVC

Notes:

bgs = below ground surface
NAVD88 = North American Vertical Datum of 1988
PVC = polyvinyl chloride
TOR = top of riser

Table 5 - Groundwater Depth and Elevations
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, New York

Well	Groundwater Gauging Events								
	5/16/2019			7/24/2019 (Low Tide)			7/25/2019 (High Tide)		
	DTW	DTB	Elev.	DTW	DTB	Elev.	DTW	DTB	Elev.
MW-101	10.48	20.08	24.72	10.27	20.05	24.93	10.37	20.05	24.83
MW-102	13.64	31.17	10.77	13.47	31.15	10.94	13.82	31.15	10.59
MW-103	13.14	32.42	9.85	13.21	32.40	9.78	13.36	32.40	9.63
MW-104	9.11	21.66	22.56	6.04	21.65	25.63	9.20	21.65	22.47
MW-105	11.61	28.85	16.21	11.56	25.83	16.26	10.70	25.83	17.12
MW-106	NA	NA	NA	1.00	19.25	8.78	1.05	19.25	8.73
MW-107	3.36	24.56	5.17	3.32	24.55	5.21	2.56	24.55	5.97
MW-108	NA	NA	NA	1.69	19.75	5.75	2.00	19.75	5.44
MW-109	2.82	30.80	3.49	3.26	30.78	3.05	3.40	30.78	2.91
MW-110	3.25	31.26	3.67	3.62	29.60	3.30	3.75	29.60	3.17
MW-111	4.06	19.95	4.74	4.18	19.90	4.62	4.23	19.90	4.57
MW-112	NA	NA	NA	1.60	10.20	6.07	1.90	10.20	5.77
MW-113	NA	NA	NA	3.30	17.28	4.52	3.35	17.28	4.47

Notes:
DTW = Depth to Water (feet)
DTB = Depth to Bottom (feet)
Elev. = Elevation of Water Surface in feet NAVD88 (North American Vertical Datum of 1988)
NA = Not Available (Monitoring Well Not Yet Installed)

Table 6. Final Groundwater Parameters
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, New York

Well ID	Date	Flow Rate (mL/min)	Depth to Water at Time of Sampling (ft)	Parameters							
				Temperature (ºC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (%)	ORP (mV)	Odor	Observations
May 2019 Sampling Event											
MW101	5/16/2019	190	11.30	16.4	7.61	2.983	2.30	5.4	-480.1	NR	NR
MW102	5/16/2019	190	18.92	16.7	6.90	2.857	6.86	0.4	-88.8	NLO	Sheen, NAPL coating bottom 7" of tubing
MW103	5/16/2019	NR	13.78	15.2	7.34	3.909	9.45	-0.01	-151.2	NR	Tubing at water level stained with LNAPL
MW104	5/16/2019	NR	9.34	14.9	6.80	1.508	2.00	0.21	29.9	NR	NR
MW-109	5/16/2019	NR	3.28	15.5	7.33	1.080	7.81	0.01	-130.1	NR	NR
MW-110	5/16/2019	NR	3.59	18.1	6.55	1.141	8.89	0.07	-64.5	NR	Trace LNAPL on tubing when removed
MW-111	5/16/2019	NR	4.07	12.9	6.84	2.265	5.94	0.40	-118.8	NR	NR
July 2019 Sampling Event											
MW-111	7/22/2019	200	1.28	18.1	7.28	1.320	15.50	2.51	NR	NR	NR
MW-112	7/22/2019	NR	2.41	18.5	6.63	2.491	40.50	2.60	NR	NLO	Sheen
MW-113	7/22/2019	150	3.51	20.1	6.76	1.482	NR	2.36	NR	NR	NR
November 2019 Sampling Event											
MW-106	11/14/2019	NR	1.72	12.8	7.46	1.334	NR	0.14	-375.8	NLO	Slight Sheen

Notes:

mL/min = milliliters per minute
NTU = Nephelometric Turbidity Units
ºC = Degrees Celsius
% = percent
mV = millivolts
mS/cm = micro Siemens per centimeter
Samples were not collected from MW-105 and MW-107, and MW-108 due to the presence of NAPL in the groundwater
NLO = Naphthalene-like Odor
PLO = Petroleum-like Odor
NR = not reported

Table 7. Groundwater Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, NY

Analyte	Units	CAS No.	NYS AWQS	Sample Name / Sample Date / Parent Sample: MW-101 5/16/2019	MW-102 5/16/2019	MW-103 5/16/2019	MW-104 5/16/2019	MW-106 11/14/2019	MW-109 5/16/2019	Dup051619 5/16/2019 MW-109	MW-110 5/16/2019	MW-111 5/16/2019	MW-111 7/22/2019
BTEX	ug/L												
Benzene		71-43-2	1	**0.99 J**	**1900**	**1000**	**43**	**59**	1 U	1 U	**0.45 J**	**14**	**110**
Toluene		108-88-3	5	**0.64 J**	**870**	**120**	**3.4**	**4.8**	1 U	1 U	1 U	**0.47 J**	**4.5**
Ethylbenzene		100-41-4	5	**1.8**	**4100**	**3300**	**140**	**430**	**0.36 J**	1 U	**5.6**	**33**	**390**
o-Xylene		95-47-6	5	**1**	**2800**	**1300**	**89**	**170**	**0.4 J**	**0.4 J**	**2**	**2.2**	**150**
m/p-Xylene		179601-23-1	5	**1**	**8200**	**2400**	**100**	**52**	1 U	**0.32 J**	**4.2**	**2.1**	**44**
Total BTEX (ND=0)		TBTEX_ND0	NE	**5.43**	**17870**	**8120**	**375.4**	**715.8**	**0.76**	**0.72**	**12.25**	**51.77**	**698.5**
Other VOCs	ug/L												
Carbon disulfide		75-15-0	60*	**0.23 J**	25 U	10 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Chloroform (Trichloromethane)		67-66-3	7	**0.84 J**	25 U	10 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane		110-82-7	NE	1 U	25 U	**5.2 J**	1 U	**60**	1 U	1 U	1 U	**3.1**	**78**
1,1-Dichloroethane		75-34-3	5	1 UJ	25 UJ	10 U	**0.43 J**	2 U	1 U	1 UJ	1 UJ	1 UJ	1 U
cis-1,2-Dichloroethene		156-59-2	5	**0.78 J**	**230**	10 U	1 U	2 U	1 U	1 U	1 U	1 U	**0.41 J**
trans-1,2-Dichloroethene		156-60-5	5	1 U	25 U	10 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene		98-82-8	5	1 U	**110**	**140**	**11**	**26**	1 U	1 U	**0.62 J**	**8.6**	**27**
Methyl acetate		79-20-9	NE	5 UJ	130 UJ	50 U	5 U	10 U	5 U	5 UJ	5 UJ	5 UJ	**240**
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	5 U	130 U	50 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether (MTBE)		1634-04-4	10*	1 U	25 U	10 U	1 U	2 U	**1.3**	**1.3**	1 U	**0.54 J**	1 U
Methylcyclohexane		108-87-2	NE	1 U	**9.5 J**	**4.1 J**	**0.58 J**	**65**	**0.41 J**	**0.27 J**	1 U	**3.3**	**74**
Styrene		100-42-5	5	1 U	25 U	10 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)		127-18-4	5	**7.4**	**34**	10 U	**0.99 J**	2 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane (TCA)		71-55-6	5	1 U	25 U	10 U	**1.7**	2 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (TCE)		79-01-6	5	**1**	**37**	10 U	**1.1**	2 U	1 U	1 U	1 U	1 U	1 U
Total VOCs (ND=0)		TVOC_ND0	NE	**15.68**	**18290.5**	**8269.3**	**391.2**	**866.8**	**2.47**	**2.29**	**12.87**	**67.31**	**1117.91**
PAH17	ug/L												
Acenaphthene		83-32-9	20*	**1.6 J**	**44 J**	**99 J**	**52**	**110**	**1.4 J**	**1.4 J**	10 U	**19**	10 U
Acenaphthylene		208-96-8	NE	10 U	200 U	500 U	**2.1 J**	100 U	10 UJ	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	200 U	500 U	**1.7 J**	**8.3 J**	10 UJ	10 U	10 U	**0.92 J**	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	20 U	50 U	1 U	10 U	1 UJ	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	40 U	100 U	2 U	20 U	2 UJ	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	20 U	50 U	1 U	10 U	1 UJ	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	200 U	500 U	10 U	100 U	10 UJ	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	20 U	50 U	1 U	10 U	1 UJ	1 U	**0.63 J**	1 U	1 U
Chrysene		218-01-9	0.002	2 U	40 U	100 U	2 U	20 U	2 UJ	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	20 U	50 U	1 U	10 U	1 UJ	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	200 U	500 U	**3.2 J**	100 U	10 UJ	10 U	**1.3 J**	**1.7 J**	10 U
Fluorene		86-73-7	50*	**1 J**	200 U	500 U	**16**	**26 J**	10 UJ	10 U	10 U	**3.7 J**	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	40 U	100 U	2 U	20 U	2 UJ	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	**240**	**530**	10 U	**97 J**	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	**2.5 J**	**3500**	**8400**	10 U	**1100**	**1.2 J**	**1.1 J**	10 U	**2 J**	10 U
Phenanthrene		85-01-8	50*	**1.8 J**	**13 J**	**46 J**	10 U	**60 J**	**0.86 J**	**0.88 J**	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	200 U	500 U	**4.5 J**	100 U	10 UJ	10 U	**3.3 J**	**2.3 J**	10 U

Table 7. Groundwater Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, NY

			Sample Name	MW-101	MW-102	MW-103	MW-104	MW-106	MW-109	Dup051619	MW-110	MW-111	MW-111
			Sample Date	5/16/2019	5/16/2019	5/16/2019	5/16/2019	11/14/2019	5/16/2019	5/16/2019	5/16/2019	5/16/2019	7/22/2019
			Parent Sample							MW-109			
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
Total PAH (17) (ND=0)		TPAH17_ND0	NE	**6.9**	**3797**	**9075**	**79.5**	**1401.3**	**3.46**	**3.38**	**5.23**	**29.62**	ND
PAH17 Other SVOCs	ug/L												
Acetophenone		98-86-2	NE	10 U	200 U	500 U	**2.2 J**	100 U	10 UJ	10 U	10 U	10 U	10 U
Benzaldehyde		100-52-7	NE	10 U	200 U	**200 J**	10 U	100 U	10 U	10 U	10 U	10 U	10 U
Biphenyl (1,1-Biphenyl)		92-52-4	5	10 U	200 U	500 U	10 U	**21 J**	10 UJ	10 U	10 U	10 U	10 U
Carbazole		86-74-8	NE	10 U	200 U	500 U	10 U	**9.8 J**	10 UJ	10 U	10 U	10 U	10 U
Dibenzofuran		132-64-9	NE	10 U	200 U	500 U	**1.3 J**	100 U	10 UJ	10 U	10 U	10 U	10 U
2,4-Dimethylphenol		105-67-9	50*	10 U	**66 J**	500 U	10 U	100 U	10 UJ	10 U	10 U	10 U	10 U
2-Methylnaphthalene		91-57-6	NE	10 U	**240**	**530**	10 U	**97 J**	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*	10 U	200 U	500 U	10 U	100 U	10 UJ	10 U	10 U	10 U	10 U
Phenol		108-95-2	1	10 U	**22 J**	500 U	**1.3 J**	100 U	10 U	10 U	10 U	10 U	10 U
Total SVOCs (ND=0)		TSVOC_ND0	NE	**6.9**	**3885**	**9275**	**84.3**	**1432.1**	**3.46**	**3.38**	**5.23**	**29.62**	ND
Total Metals	ug/L												
Aluminum		7429-90-5	NE	**147**	**76.9 J**	**137**	**36.8 J**	**73.6**	**1630**	**1590**	**203**	**173**	**401**
Antimony		7440-36-0	3	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**0.4 J**
Arsenic		7440-38-2	25	**0.77 J**	**4.9**	**7.1**	2 U	**1.5 J**	**2.3**	**2.5**	2 U	2 U	**2.9**
Barium		7440-39-3	1000	**146**	**385**	**300**	**84.3**	**83.6**	**230**	**252**	**10**	**323**	**91.2**
Beryllium		7440-41-7	3*	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Calcium		7440-70-2	NE	**124000**	**165000**	**187000**	**87300**	**102000**	**93400**	**98600**	**88500**	**139000**	**108000**
Chromium		7440-47-3	50	4 U	4 U	4 U	4 U	4 U	**3.6 J**	**3.9 J**	4 U	4 U	**2.5 J**
Cobalt		7440-48-4	NE	4 U	**2.1 J**	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Copper		7440-50-8	200	4 U	4 U	4 U	4 U	4 U	**6.4**	**5.3**	4 U	4 U	4 UJ
Iron		7439-89-6	300	**468**	**12200**	**12100**	**1230**	**5970**	**5370**	**5930**	**1060**	**14500**	**6840**
Lead		7439-92-1	25	**1 J**	**1 J**	1.2 U	1.2 U	1.2 U	**1.5**	**1.6**	1.2 U	**4.2**	**0.83 J**
Magnesium		7439-95-4	35000*	**51200**	**53400**	**95000**	**31900**	**30900**	**44200**	**47600**	**33900**	**38700**	**29400**
Manganese		7439-96-5	300	**3300**	**4570**	**6040**	**320**	**4850**	**1970**	**2150**	**822**	**2490**	**4410**
Mercury		7439-97-6	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel		7440-02-0	100	4 U	**4.6**	4 U	**3.3 J**	4 U	**3.7 J**	**4.1**	4 U	4 U	**2.4 J**
Potassium		7440-09-7	NE	**6340**	**14800**	**5870**	**9320**	**4910**	**2540**	**2760**	**6140**	**11000**	**7950**
Selenium		7782-49-2	10	10 U	10 U	10 U	**17.8**	10 U	10 U	10 U	10 U	10 U	10 U
Silver		7440-22-4	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Sodium		7440-23-5	20000	**456000**	**348000**	**473000**	**172000**	**119000**	**35100**	**37700**	**75900**	**268000**	**124000**
Thallium		7440-28-0	0.5*	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium		7440-62-2	NE	4 U	**2.2 J**	4 U	**1.1 J**	**1.2 J**	**3.5 J**	**3.6 J**	**1.2 J**	4 U	**3.9 J**
Zinc		7440-66-6	2000	16 U	16 U	16 U	16 U	**13 J**	16 U	16 U	16 U	16 U	16 U
Cyanides	ug/L												
Total Cyanide		57-12-5	200	**11.8 J**	**92.3 J**	**214 J**	**49 J**	10 U	10 U	10 U	10 U	**67.3 J**	**109 J**

Table 7. Groundwater Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, NY

				Sample Name	MW-112	Dup-20190722	MW-113	SB-111 Grab
				Sample Date	7/22/2019	7/22/2019	7/22/2019	4/2/2019
				Parent Sample		MW-112		
Analyte	**Units**	**CAS No.**	**NYS AWQS**					
BTEX	ug/L							
Benzene		71-43-2	1		**420 J**	**450**	**640**	**66**
Toluene		108-88-3	5		**320 J**	**340**	**2.5**	**0.92 J**
Ethylbenzene		100-41-4	5		**2200**	**2400**	**160**	**4.9**
o-Xylene		95-47-6	5		**910**	**970**	**6.4**	**1.7**
m/p-Xylene		179601-23-1	5		**1400**	**1500**	**7**	**2.2**
Total BTEX (ND=0)		TBTEX_ND0	NE		**5250**	**5660**	**815.9**	**75.72**
Other VOCs	ug/L							
Carbon disulfide		75-15-0	60*		10 UJ	10 U	2 UJ	1 U
Chloroform (Trichloromethane)		67-66-3	7		10 U	10 U	2 U	1 U
Cyclohexane		110-82-7	NE		10 U	**8.8 J**	**2.6**	**12**
1,1-Dichloroethane		75-34-3	5		10 U	10 U	2 U	1 U
cis-1,2-Dichloroethene		156-59-2	5		**16**	**18**	2 U	1 U
trans-1,2-Dichloroethene		156-60-5	5		**10**	**11**	2 U	1 U
Isopropylbenzene		98-82-8	5		**83**	**90**	**37**	**13**
Methyl acetate		79-20-9	NE		50 U	50 U	10 U	5 U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*		50 U	50 U	10 U	**2.4 J**
Methyl tert-butyl ether (MTBE)		1634-04-4	10*		**16**	**18**	**3.4**	1 U
Methylcyclohexane		108-87-2	NE		**8.3 J**	**9.4 J**	**7**	**31**
Styrene		100-42-5	5		**160**	**170**	2 U	1 U
Tetrachloroethene (PCE)		127-18-4	5		10 U	10 U	2 U	1 U
1,1,1-Trichloroethane (TCA)		71-55-6	5		10 U	10 U	2 U	1 U
Trichloroethene (TCE)		79-01-6	5		**3.9 J**	**4.6 J**	2 U	1 U
Total VOCs (ND=0)		TVOC_ND0	NE		**5547.2**	**5989.8**	**865.9**	**134.12**
PAH17	ug/L							
Acenaphthene		83-32-9	20*		500 U	10 U	**140 J**	**480**
Acenaphthylene		208-96-8	NE		**61 J**	10 UJ	200 U	**25 J**
Anthracene		120-12-7	50*		500 U	10 U	200 U	**150**
Benzo(a)anthracene		56-55-3	0.002*		50 U	1 U	20 U	**130**
Benzo(b)fluoranthene		205-99-2	0.002*		100 U	2 U	40 U	**92**
Benzo(k)fluoranthene		207-08-9	0.002*		50 U	1 U	20 U	**37**
Benzo(g,h,i)perylene		191-24-2	NE		500 U	10 U	200 U	**47 J**
Benzo(a)pyrene		50-32-8	ND		50 U	1 U	20 U	**110**
Chrysene		218-01-9	0.002		100 U	2 U	40 U	**120**
Dibenz(a,h)anthracene		53-70-3	NE		50 U	1 U	20 U	**13**
Fluoranthene		206-44-0	50*		500 U	10 U	200 U	**320**
Fluorene		86-73-7	50*		500 U	10 U	**37 J**	**150**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*		100 U	2 U	40 U	**46**
2-Methylnaphthalene		91-57-6	NE		**540 J**	10 UJ	**120 J**	**350**
Naphthalene		91-20-3	10*		**5400 J**	10 UJ	**400**	**49 J**
Phenanthrene		85-01-8	50*		**45 J**	10 UJ	**35 J**	**490**
Pyrene		129-00-0	50*		500 U	10 U	200 U	**410**

Table 7. Groundwater Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, NY

			Sample Name	MW-112	Dup-20190722	MW-113	SB-111 Grab
			Sample Date	7/22/2019	7/22/2019	7/22/2019	4/2/2019
			Parent Sample		MW-112		
Analyte	**Units**	**CAS No.**	**NYS AWQS**				
Total PAH (17) (ND=0)		TPAH17_ND0	NE	**6046**	ND	**732**	**3019**
PAH17 Other SVOCs	ug/L						
Acetophenone		98-86-2	NE	500 U	10 U	200 U	**13 J**
Benzaldehyde		100-52-7	NE	500 U	10 U	200 U	100 U
Biphenyl (1,1-Biphenyl)		92-52-4	5	500 U	10 U	200 U	100 U
Carbazole		86-74-8	NE	500 U	10 U	200 U	100 U
Dibenzofuran		132-64-9	NE	500 U	10 U	200 U	**38 J**
2,4-Dimethylphenol		105-67-9	50*	500 U	10 U	200 U	100 U
2-Methylnaphthalene		91-57-6	NE	**540 J**	10 UJ	**120 J**	**350**
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*	500 U	10 U	200 U	**46 J**
Phenol		108-95-2	1	500 U	10 U	**20 J**	100 U
Total SVOCs (ND=0)		TSVOC_ND0	NE	**6046**	ND	**752**	**3116**
Total Metals	ug/L						
Aluminum		7429-90-5	NE	**648 J**	**343 J**	**615**	**23700**
Antimony		7440-36-0	3	2 U	2 U	2 U	**1.1 J**
Arsenic		7440-38-2	25	**3.6**	**2.9**	**0.88 J**	**18.8**
Barium		7440-39-3	1000	**193**	**191**	**354**	**243**
Beryllium		7440-41-7	3*	0.8 U	0.8 U	0.8 U	**1.4**
Calcium		7440-70-2	NE	**155000**	**156000**	**124000**	**103000**
Chromium		7440-47-3	50	4 U	4 U	4 U	**57.7**
Cobalt		7440-48-4	NE	4 U	4 U	4 U	**16.6**
Copper		7440-50-8	200	**3.8 J**	**9.4 J**	**34.6 J**	**73.6**
Iron		7439-89-6	300	**5870**	**5050**	**7710**	**32800**
Lead		7439-92-1	25	**3.3**	**2.2**	**18.3**	**324**
Magnesium		7439-95-4	35000*	**54900**	**54600**	**26900**	**26400**
Manganese		7439-96-5	300	**7920**	**7950**	**1930**	**1110**
Mercury		7439-97-6	0.7	0.2 U	0.2 U	0.2 U	**0.43**
Nickel		7440-02-0	100	**3.7 J**	**2.4 J**	**2.7 J**	**39.4**
Potassium		7440-09-7	NE	**3290**	**3140**	**7620**	**11100**
Selenium		7782-49-2	10	10 U	10 U	10 U	10 U
Silver		7440-22-4	50	2 U	2 U	2 U	2 U
Sodium		7440-23-5	20000	**213000**	**204000**	**142000**	**44000**
Thallium		7440-28-0	0.5*	0.8 U	0.8 U	0.8 U	**0.25 J**
Vanadium		7440-62-2	NE	**2 J**	**1.2 J**	**1.7 J**	**57.4**
Zinc		7440-66-6	2000	**44.2 J**	**26.3 J**	**18.6**	**267**
Cyanides	ug/L						
Total Cyanide		57-12-5	200	**32.9 J**	**31.3 J**	**181 J**	**50.6**

Table 7. Groundwater Analytical Results
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, NY

Notes:
As of 11/25/19 validation is not yet complete on MW-106_11/14/2019. Results for this sample are unvalidated on this table. All other samples were validated.

Analytes in blue are not detected in any sample
ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
PAH = Polycyclic Aromatic Hydrocarbon
SVOC = Semi-Volatile Organic Compound
VOC = Volatile Organic Compound

Total BTEX, Total VOCs, Total PAHs, and Total SVOCs are calculated using detects only.
Total PAH17 is calculated using the list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, 2-Methylnaphthalene, Phenanthrene, and Pyrene

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
MGP = Manufactured Gas Plant
ND = Not Detected
NE = Not Established

Bolding indicates a detected result concentration
Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

Data Qualifiers:
* = The duplicate result was not within control limits.
J = The result is an estimated value.
R = The result is rejected.
U = The result was not detected above the reporting limit.
UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated.

Table 8 - NAPL Gauging Summary
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Well	5/16/2019 Gauging Event						7/24/2019 Gauging Event						11/14/2019 Gauging Event					
	DTW (feet)	DTP (LNAPL) (feet)	Thickness of LNAPL (feet)	DTP (DNAPL) (feet)	DTB (feet)	Thickness of DNAPL (feet)	DTW (feet)	DTP (LNAPL) (feet)	Thickness of LNAPL (feet)	DTP (DNAPL) (feet)	DTB (feet)	Thickness of DNAPL (feet)	DTW (feet)	DTP (LNAPL) (feet)	Thickness of LNAPL (feet)	DTP (DNAPL) (feet)	DTB (feet)	Thickness of DNAPL (feet)
MW-101	10.48	--	--	--	20.08	--	10.27	--	--	--	20.05	--	10.73	--	--	--	20.05	--
MW-102	13.64	Trace	--	--	31.17	--	13.47	--	--	--	31.15	--	NM	NM	NM	NM	NM	NM
MW-103	13.14	Trace	--	--	32.42	--	13.21	--	--	--	32.40	--	NM	NM	NM	NM	NM	NM
MW-104	9.11	--	--	--	21.66	--	6.04	--	--	21.55	21.65	0.10	NM	NM	NM	NM	NM	NM
MW-105	11.61	--	--	24.44	28.85	4.41	11.56	--	--	16.60	25.83	2.65*	12.34	--	--	23.59	25.85	2.26
MW-106	NA	NA	NA	NA	NA	NA	1.00	--	--	--	19.25	--*	1.72	--	--	--	19.70	--
MW-107	3.36	--	--	15.95	24.56	8.61	3.32	--	--	14.75	24.55	9.80	4.75	--	--	14.83	24.53	9.70
MW-108	--	--	--	--	--	--	1.69	1.68	0.01	19.65	19.75	0.10	NM	NM	NM	NM	NM	NM
MW-109	2.82	--	--	--	30.80	--	3.26	--	--	--	30.78	--	NM	NM	NM	NM	NM	NM
MW-110	3.25	--	--	--	31.26	--	3.62	--	--	--	29.60	--	3.95	--	--	--	29.60	--
MW-111	4.06	--	--	--	19.95	--	4.18	--	--	--	19.90	--	5.01	--	--	--	19.94	--
MW-112	NA	NA	NA	NA	NA	NA	1.60	--	--	--	10.20	--	NM	NM	NM	NM	NM	NM
MW-113	NA	NA	NA	NA	NA	NA	3.30	--	--	--	17.28	--	NM	NM	NM	NM	NM	NM

Notes:

DTW = Depth to Water (feet)
DTP = Depth to Product (feet)
DTB = Depth to Bottom (feet)
LNAPL = Light Non-Aqueous Phase Liquid
DNAPL = Dense Non-Aqueous Phase Liquid
NA = Not Available (Monitoring Well Not Yet Installed)
-- = No Product in Well
NM= Not Measured
* = NAPL Thickness values recorded for MW-105 and MW-106 during the July 2019 gauging event were reversed in the field notes due to an accidental transcription error. Corrected values are shown in this table.

Table 9 - NAPL Removal Summary
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Well	6/27/2019 Recovery Event		
	Thickness of NAPL before Pumping (feet)	Approximate Volume of NAPL Removed (gallons)	Thickness of NAPL 1 hour after Pumping (feet)
MW-105	2.80	0.4	0.10
MW-107	10.10	2.0	8.00

Notes:
NAPL = Non-Aqueous Phase Liquid

Table 10. Typical Background Concentrations of Metals in Soil of the Eastern United States
Site Characterization Report
Woodworth Avenue Works Former MGP
Yonkers, New York

Metals	Background Levels - Eastern USA (mg/kg)
Aluminum	7,000 - > 100,000
Antimony	< 1 - 8.8
Arsenic	< 0.1 - 73
Barium	10 - 1,500
Beryllium	< 1 - 7
Cadmium	NE
Calcium	100 - 280,000
Chromium	1 - 1,000
Cobalt	< 0.3 - 70
Copper	< 1 - 700
Iron	100 - >100,000
Lead	> 10 - 300
Magnesium	50 - 50,000
Manganese	< 2 - 7,000
Mercury	0.01 - 3.4
Nickel	< 5 - 700
Potassium	50 - 37,000
Selenium	< 0.1 - 3.9
Silver	NE
Sodium	<500 - 50,000
Thallium	NE
Vanadium	<7 - 300
Zinc	< 5 - 2,900

Notes:

NE - Not established
mg/kg - milligrams/kilogram
Source: Shacklette, H.T., and Boerngen, J.G., 1984. Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States. U.S. Geological Survey Professional Paper 1270. 105p.

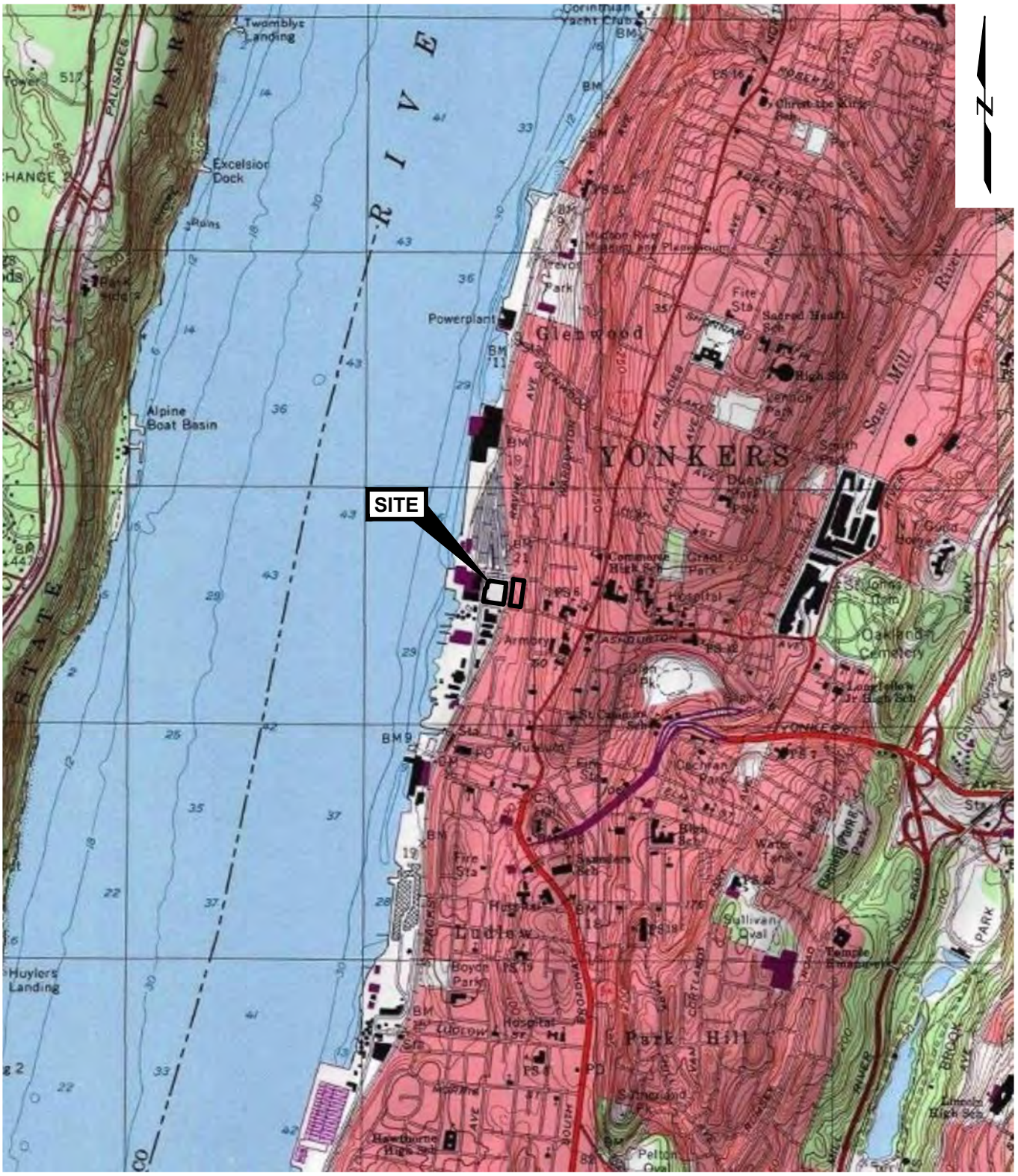
Table 11. Exposure Matrix for Qualitative Human Health Exposure Assessment
Site Characterization Report
Woodworth Avenue Works Former MGP Site
Yonkers, New York

Contaminants of Concern	Media	Screening Criteria	Exceeds Criteria?	Potential Receptors	Potential Complete Exposure Pathway?
BTEX	Soil	6 NYCRR Part 375 Unrestricted Use SCOs	Yes	Site Occupants	Yes
				Adjacent Off-site Receptors	Yes
				Utility Worker	Yes
				Construction Worker	Yes
	Groundwater	NYS AWQS	Yes	Site Occupants	No
				Adjacent Off-site Receptors	No
				Utility Worker	Yes
				Construction Worker	Yes
PAHs	Soil	6 NYCRR Part 375 Unrestricted Use SCOs	Yes	Site Occupants	Yes
				Adjacent Off-site Receptors	No
				Utility Worker	Yes
				Construction Worker	Yes
	Groundwater	NYS AGWQS	Yes	Site Occupants	No
				Adjacent Off-site Receptors	No
				Utility Worker	Yes
				Construction Worker	Yes
Cyanide	Soil	6 NYCRR Part 375 Unrestricted Use SCOs	No	Site Occupants	No
				Adjacent Off-site Receptors	No
				Utility Worker	No
				Construction Worker	No
	Groundwater	NYS AGWQS	Yes	Site Occupants	No
				Adjacent Off-site Receptors	No
				Utility Worker	Yes
				Construction Worker	Yes
Metals	Soil	6 NYCRR Part 375 Unrestricted Use SCOs & Eastern United States Typical Background Concentrations	Yes	Site Occupants	Yes
				Adjacent Off-site Receptors	Yes
				Utility Worker	Yes
				Construction Worker	Yes
	Groundwater	NYS AGWQS	Yes	Site Occupants	No
				Adjacent Off-site Receptors	No
				Utility Worker	Yes
				Construction Worker	Yes
Chlorinated VOC's	Soil	6 NYCRR Part 375 Unrestricted Use SCOs	Yes	Site Occupants	Yes
				Adjacent Off-site Receptors	Yes
				Utility Worker	Yes
				Construction Worker	Yes
	Groundwater	NYS AWQS	Yes	Site Occupants	No
				Adjacent Off-site Receptors	No
				Utility Worker	Yes
				Construction Worker	Yes

Notes:

NYSDOH – New York State Department of Health
NYS AGWQS – New York State Ambient Groundwater Quality Standards for GA Groundwater Classification
EPA – U.S. Environmental Protection Agency
NYCRR – New York Code or Rules and Regulations
SCOs – Soil Cleanup Objectives

Figures



SOURCE:

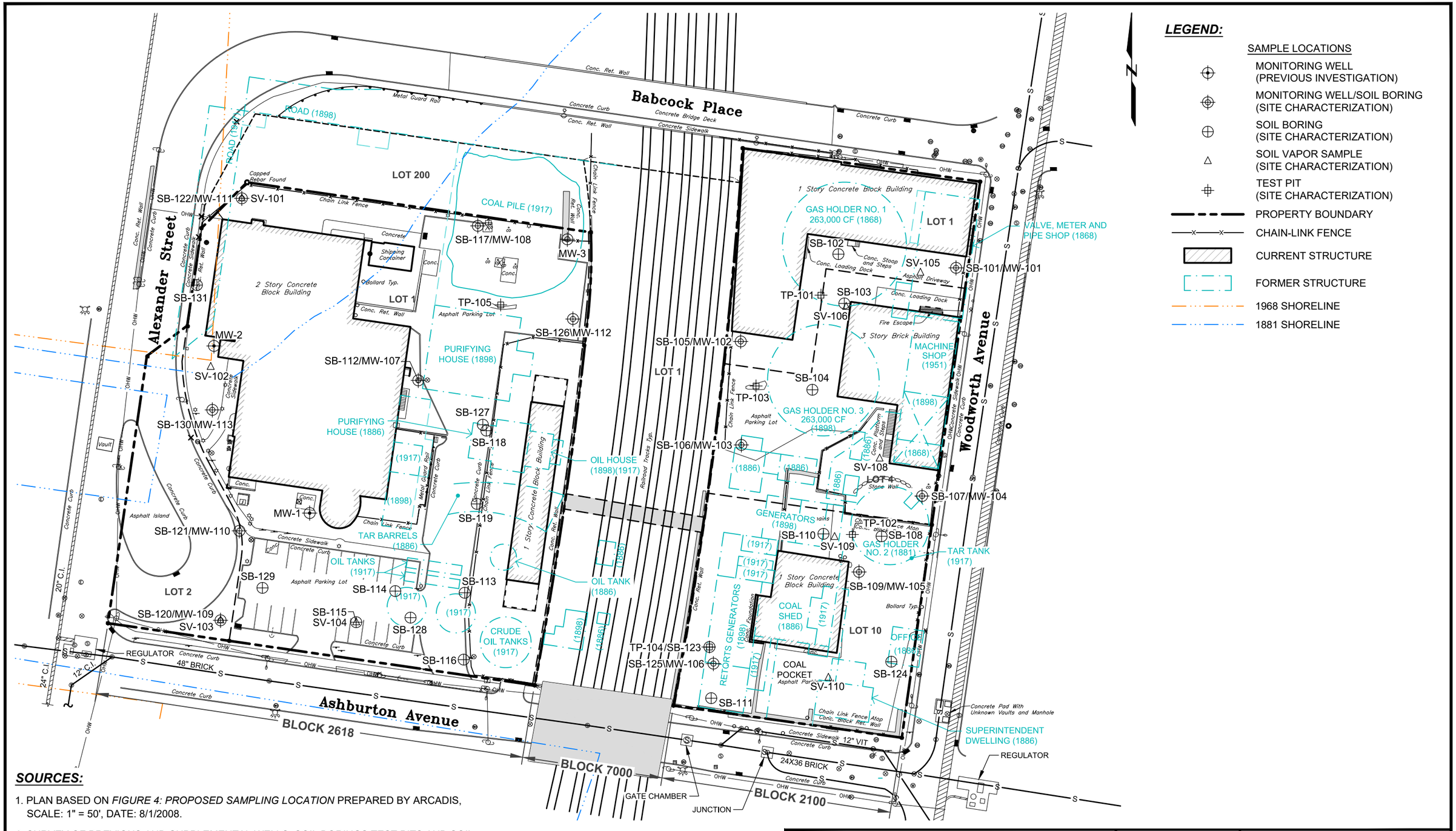
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SCALE, FEET

Site Characterization Report Woodworth Avenue Works Former MGP Site City of Yonkers, New York	GEI Consultants	SITE LOCATION MAP
Consolidated Edison Company of New York New York, New York	Project 1900674	April 2020 Fig. 1

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LEGEND:

SAMPLE LOCATIONS

- MONITORING WELL (PREVIOUS INVESTIGATION)
- MONITORING WELL/SOIL BORING (SITE CHARACTERIZATION)
- SOIL BORING (SITE CHARACTERIZATION)
- SOIL VAPOR SAMPLE (SITE CHARACTERIZATION)
- TEST PIT (SITE CHARACTERIZATION)
- PROPERTY BOUNDARY
- CHAIN-LINK FENCE
- CURRENT STRUCTURE
- FORMER STRUCTURE
- 1968 SHORELINE
- 1881 SHORELINE

SOURCES:

1. PLAN BASED ON *FIGURE 4: PROPOSED SAMPLING LOCATION* PREPARED BY ARCADIS, SCALE: 1" = 50', DATE: 8/1/2008.
2. SURVEY OF PREVIOUS AND SUPPLEMENTAL WELLS, SOIL BORINGS TEST PITS AND SOIL VAPOR POINTS BASED ON *SHEET 1 OF 1: BOUNDARY SURVEY PREPARED FOR GEI CONSULTANTS,* PREPARED BY TEC LAND SURVEYING, SCALE: 1" = 30', DATE: 8/15/2019.
3. WORLD IMAGERY LAYER FROM ARCGIS.COM, SOURCE: ESRI, DIGITALGLOBE, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRID, IGN, AND THE GIS USER COMMUNITY.

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SCALE, FEET

Site Characterization Report
Woodworth Avenue Works Former MGP Site
City of Yonkers, New York

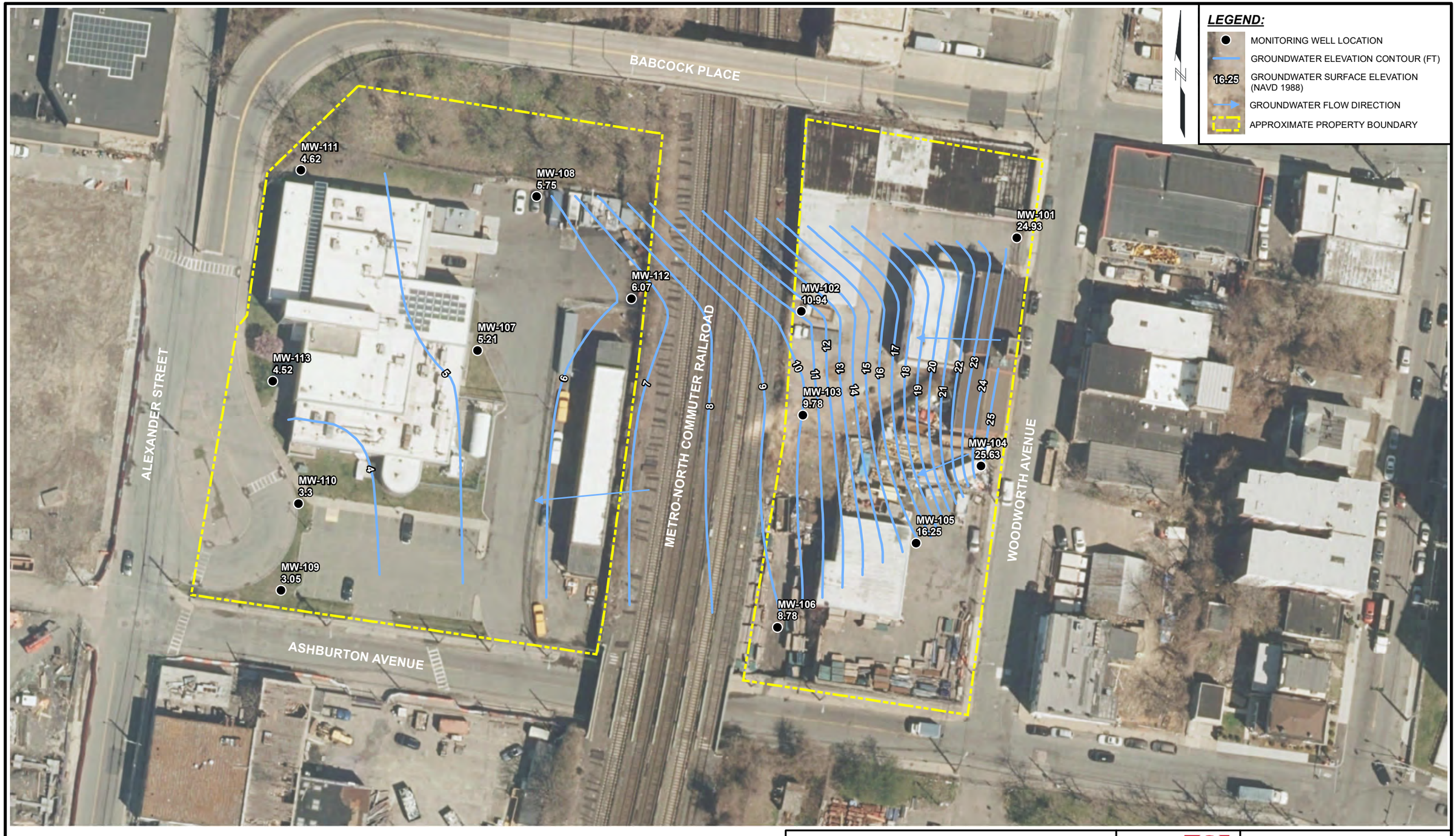
Consolidated Edison Company of New York
New York, New York

GEI Consultants

CURRENT AND HISTORIC STRUCTURES AND SAMPLE LOCATION MAP

Project 1900674 | April 2020 | Fig. 2

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SOURCE:
2016 ESRI WORLD IMAGERY

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SCALE, FEET

Site Characterization Report
Woodworth Avenue Works Former MGP Site
City of Yonkers, New York

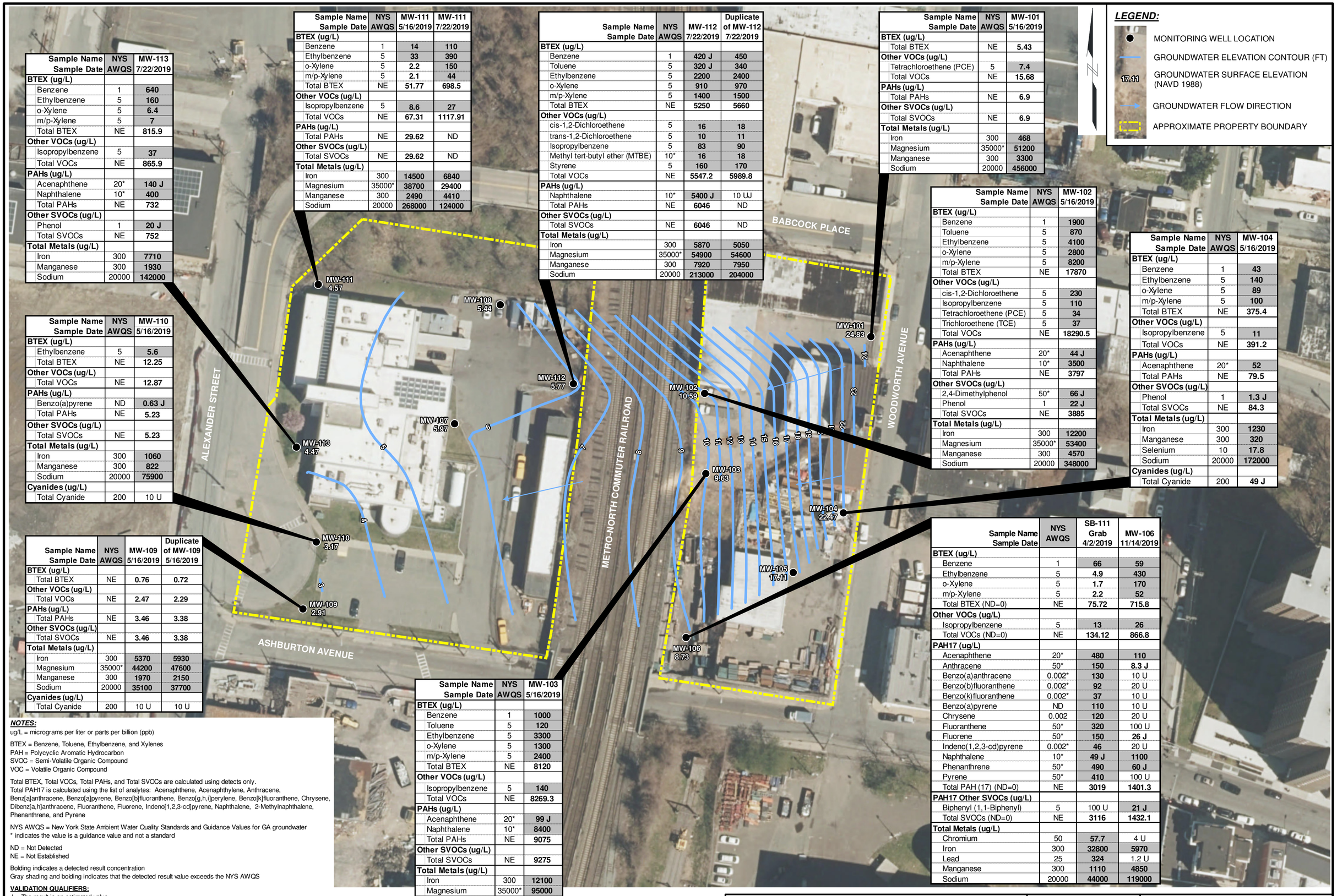
Consolidated Edison Company of New York
New York, New York

GEI Consultants

LOW TIDE GROUNDWATER CONTOUR MAP (7/24/2019)

Project 1900674 | April 2020 | Fig. 3

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Sample Name / Sample Date	NYS AWQS	MW-113 7/22/2019
BTEX (ug/L)		
Benzene	1	**640**
Ethylbenzene	5	**160**
o-Xylene	5	**6.4**
m/p-Xylene	5	**7**
Total BTEX	NE	**815.9**
Other VOCs (ug/L)		
Isopropylbenzene	5	**37**
Total VOCs	NE	**865.9**
PAHs (ug/L)		
Acenaphthene	20*	**140 J**
Naphthalene	10*	**400**
Total PAHs	NE	**732**
Other SVOCs (ug/L)		
Phenol	1	**20 J**
Total SVOCs	NE	**752**
Total Metals (ug/L)		
Iron	300	**7710**
Manganese	300	**1930**
Sodium	20000	**142000**

Sample Name / Sample Date	NYS AWQS	MW-111 5/16/2019	MW-111 7/22/2019
BTEX (ug/L)			
Benzene	1	**14**	**110**
Ethylbenzene	5	**33**	**390**
o-Xylene	5	**2.2**	**150**
m/p-Xylene	5	**2.1**	**44**
Total BTEX	NE	**51.77**	**698.5**
Other VOCs (ug/L)			
Isopropylbenzene	5	**8.6**	**27**
Total VOCs	NE	**67.31**	**1117.91**
PAHs (ug/L)			
Total PAHs	NE	**29.62**	ND
Other SVOCs (ug/L)			
Total SVOCs	NE	**29.62**	ND
Total Metals (ug/L)			
Iron	300	**14500**	**6840**
Magnesium	35000*	**38700**	**29400**
Manganese	300	**2490**	**4410**
Sodium	20000	**268000**	**124000**

Sample Name / Sample Date	NYS AWQS	MW-112 7/22/2019	Duplicate of MW-112 7/22/2019
BTEX (ug/L)			
Benzene	1	**420 J**	**450**
Toluene	5	**320 J**	**340**
Ethylbenzene	5	**2200**	**2400**
o-Xylene	5	**910**	**970**
m/p-Xylene	5	**1400**	**1500**
Total BTEX	NE	**5250**	**5660**
Other VOCs (ug/L)			
cis-1,2-Dichloroethene	5	**16**	**18**
trans-1,2-Dichloroethene	5	**10**	**11**
Isopropylbenzene	5	**83**	**90**
Methyl tert-butyl ether (MTBE)	10*	**16**	**18**
Styrene	5	**160**	**170**
Total VOCs	NE	**5547.2**	**5989.8**
PAHs (ug/L)			
Naphthalene	10*	**5400 J**	10 UJ
Total PAHs	NE	**6046**	ND
Other SVOCs (ug/L)			
Total SVOCs	NE	**6046**	ND
Total Metals (ug/L)			
Iron	300	**5870**	**5050**
Magnesium	35000*	**54900**	**54600**
Manganese	300	**7920**	**7950**
Sodium	20000	**213000**	**204000**

Sample Name / Sample Date	NYS AWQS	MW-101 5/16/2019
BTEX (ug/L)		
Total BTEX	NE	**5.43**
Other VOCs (ug/L)		
Tetrachloroethene (PCE)	5	**7.4**
Total VOCs	NE	**15.68**
PAHs (ug/L)		
Total PAHs	NE	**6.9**
Other SVOCs (ug/L)		
Total SVOCs	NE	**6.9**
Total Metals (ug/L)		
Iron	300	**468**
Magnesium	35000*	**51200**
Manganese	300	**3300**
Sodium	20000	**456000**

Sample Name / Sample Date	NYS AWQS	MW-102 5/16/2019
BTEX (ug/L)		
Benzene	1	**1900**
Toluene	5	**870**
Ethylbenzene	5	**4100**
o-Xylene	5	**2800**
m/p-Xylene	5	**8200**
Total BTEX	NE	**17870**
Other VOCs (ug/L)		
cis-1,2-Dichloroethene	5	**230**
Isopropylbenzene	5	**110**
Tetrachloroethene (PCE)	5	**34**
Trichloroethene (TCE)	5	**37**
Total VOCs	NE	**18290.5**
PAHs (ug/L)		
Acenaphthene	20*	**44 J**
Naphthalene	10*	**3500**
Total PAHs	NE	**3797**
Other SVOCs (ug/L)		
2,4-Dimethylphenol	50*	**66 J**
Phenol	1	**22 J**
Total SVOCs	NE	**3885**
Total Metals (ug/L)		
Iron	300	**12200**
Magnesium	35000*	**53400**
Manganese	300	**4570**
Sodium	20000	**348000**

Sample Name / Sample Date	NYS AWQS	MW-104 5/16/2019
BTEX (ug/L)		
Benzene	1	**43**
Ethylbenzene	5	**140**
o-Xylene	5	**89**
m/p-Xylene	5	**100**
Total BTEX	NE	**375.4**
Other VOCs (ug/L)		
Isopropylbenzene	5	**11**
Total VOCs	NE	**391.2**
PAHs (ug/L)		
Acenaphthene	20*	**52**
Total PAHs	NE	**79.5**
Other SVOCs (ug/L)		
Phenol	1	**1.3 J**
Total SVOCs	NE	**84.3**
Total Metals (ug/L)		
Iron	300	**1230**
Manganese	300	**320**
Selenium	10	**17.8**
Sodium	20000	**172000**
Cyanides (ug/L)		
Total Cyanide	200	**49 J**

Sample Name / Sample Date	NYS AWQS	MW-110 5/16/2019
BTEX (ug/L)		
Ethylbenzene	5	**5.6**
Total BTEX	NE	**12.25**
Other VOCs (ug/L)		
Total VOCs	NE	**12.87**
PAHs (ug/L)		
Benzo(a)pyrene	ND	**0.63 J**
Total PAHs	NE	**5.23**
Other SVOCs (ug/L)		
Total SVOCs	NE	**5.23**
Total Metals (ug/L)		
Iron	300	**1060**
Manganese	300	**822**
Sodium	20000	**75900**
Cyanides (ug/L)		
Total Cyanide	200	10 U

Sample Name / Sample Date	NYS AWQS	MW-109 5/16/2019	Duplicate of MW-109 5/16/2019
BTEX (ug/L)			
Total BTEX	NE	**0.76**	**0.72**
Other VOCs (ug/L)			
Total VOCs	NE	**2.47**	**2.29**
PAHs (ug/L)			
Total PAHs	NE	**3.46**	**3.38**
Other SVOCs (ug/L)			
Total SVOCs	NE	**3.46**	**3.38**
Total Metals (ug/L)			
Iron	300	**5370**	**5930**
Magnesium	35000*	**44200**	**47600**
Manganese	300	**1970**	**2150**
Sodium	20000	**35100**	**37700**
Cyanides (ug/L)			
Total Cyanide	200	10 U	10 U

Sample Name / Sample Date	NYS AWQS	SB-111 Grab 4/2/2019	MW-106 11/14/2019
BTEX (ug/L)			
Benzene	1	**66**	**59**
Ethylbenzene	5	**4.9**	**430**
o-Xylene	5	**1.7**	**170**
m/p-Xylene	5	**2.2**	**52**
Total BTEX (ND=0)	NE	**75.72**	**715.8**
Other VOCs (ug/L)			
Isopropylbenzene	5	**13**	**26**
Total VOCs (ND=0)	NE	**134.12**	**866.8**
PAH17 (ug/L)			
Acenaphthene	20*	**480**	**110**
Anthracene	50*	**150**	**8.3 J**
Benzo(a)anthracene	0.002*	**130**	10 U
Benzo(b)fluoranthene	0.002*	**92**	20 U
Benzo(k)fluoranthene	0.002*	**37**	10 U
Benzo(a)pyrene	ND	**110**	10 U
Chrysene	0.002	**120**	20 U
Fluoranthene	50*	**320**	100 U
Fluorene	50*	**150**	**26 J**
Indeno(1,2,3-cd)pyrene	0.002*	**46**	20 U
Naphthalene	10*	**49 J**	**1100**
Phenanthrene	50*	**490**	**60 J**
Pyrene	50*	**410**	100 U
Total PAH (17) (ND=0)	NE	**3019**	**1401.3**
PAH17 Other SVOCs (ug/L)			
Biphenyl (1,1-Biphenyl)	5	100 U	**21 J**
Total SVOCs (ND=0)	NE	**3116**	**1432.1**
Total Metals (ug/L)			
Chromium	50	**57.7**	4 U
Iron	300	**32800**	**5970**
Lead	25	**324**	1.2 U
Manganese	300	**1110**	**4850**
Sodium	20000	**44000**	**119000**

Sample Name / Sample Date	NYS AWQS	MW-103 5/16/2019
BTEX (ug/L)		
Benzene	1	**1000**
Toluene	5	**120**
Ethylbenzene	5	**3300**
o-Xylene	5	**1300**
m/p-Xylene	5	**2400**
Total BTEX	NE	**8120**
Other VOCs (ug/L)		
Isopropylbenzene	5	**140**
Total VOCs	NE	**8269.3**
PAHs (ug/L)		
Acenaphthene	20*	**99 J**
Naphthalene	10*	**8400**
Total PAHs	NE	**9075**
Other SVOCs (ug/L)		
Total SVOCs	NE	**9275**
Total Metals (ug/L)		
Iron	300	**12100**
Magnesium	35000*	**95000**
Manganese	300	**6040**
Sodium	20000	**473000**
Cyanides (ug/L)		
Total Cyanide	200	**214 J**

0 50 100
SCALE, FEET

NOTES:

ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
PAH = Polycyclic Aromatic Hydrocarbon
SVOC = Semi-Volatile Organic Compound
VOC = Volatile Organic Compound

Total BTEX, Total VOCs, Total PAHs, and Total SVOCs are calculated using detects only.
Total PAH17 is calculated using the list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, 2-Methylnaphthalene, Phenanthrene, and Pyrene

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

ND = Not Detected
NE = Not Established

Bolding indicates a detected result concentration
Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

VALIDATION QUALIFIERS:
J = The result is an estimated value.
R = The result is rejected.
U = The result was not detected above the reporting limit.
UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated.

Monitoring wells MW-105, MW-107 and MW-108 were not sampled due to the presence of measurable NAPL within the monitoring well.

SOURCE:
2016 ESRI WORLD IMAGERY

Site Characterization Report
Woodworth Avenue Works Former MGP Site
City of Yonkers, New York

Consolidated Edison Company of New York
New York, New York

GEI Consultants

HIGH TIDE GROUNDWATER CONTOUR MAP (7/24/2019) & GROUNDWATER ANALYTICAL DATA

Project 1900674 | April 2020 | Fig. 4

J:\Projects\Con Ed\Woodworth Ave Yonkers\GWContoursContours7_25_2019_HIGH_C.mxd



SOURCES:

1. 2016 ESRI WORLD IMAGERY
2. SURVEY OF PREVIOUS AND SUPPLEMENTAL WELLS, SOIL BORINGS TEST PITS AND SOIL VAPOR POINTS BASED ON SHEET 1 OF 1: BOUNDARY SURVEY PREPARED FOR GEI CONSULTANTS, PREPARED BY TEC LAND SURVEYING, SCALE: 1" = 30', DATE: 8/15/2019.

0 60 120
SCALE, FEET

Site Characterization Report
Woodworth Avenue Works Former MGP Site
City of Yonkers, New York

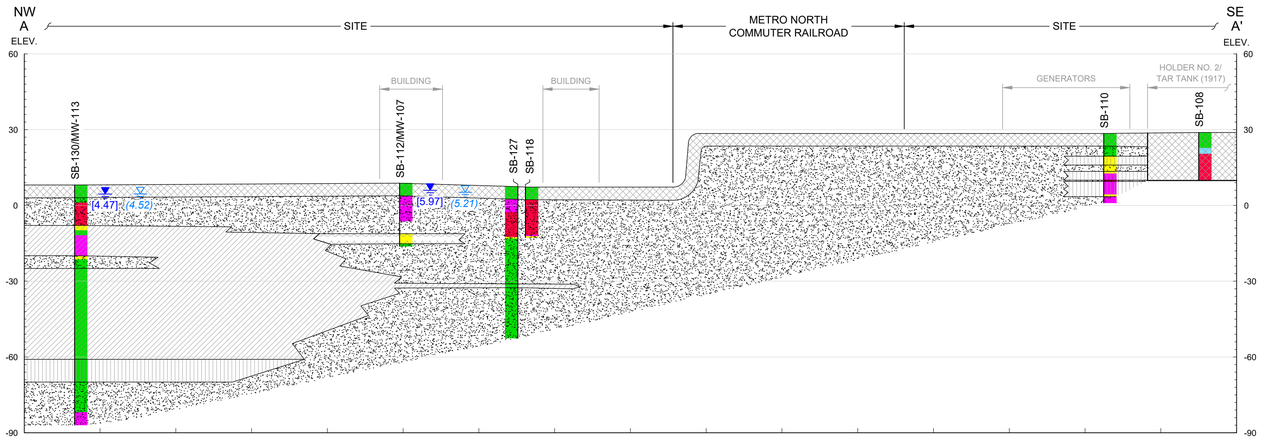
Consolidated Edison Company of New York
New York, New York

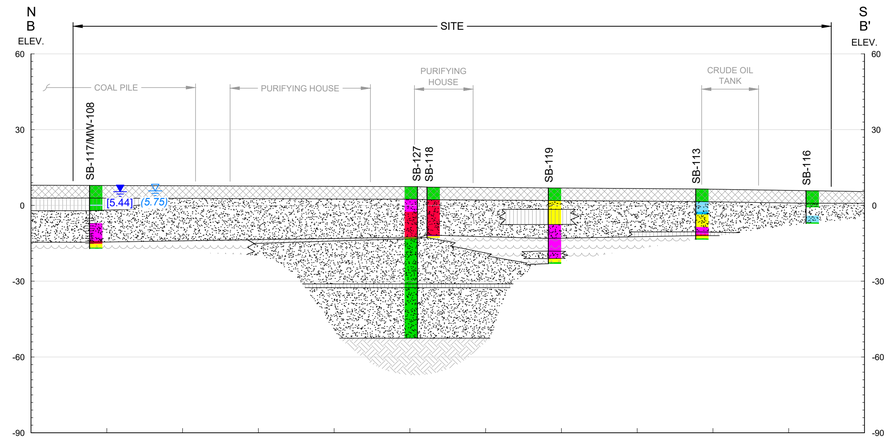
GEI Consultants

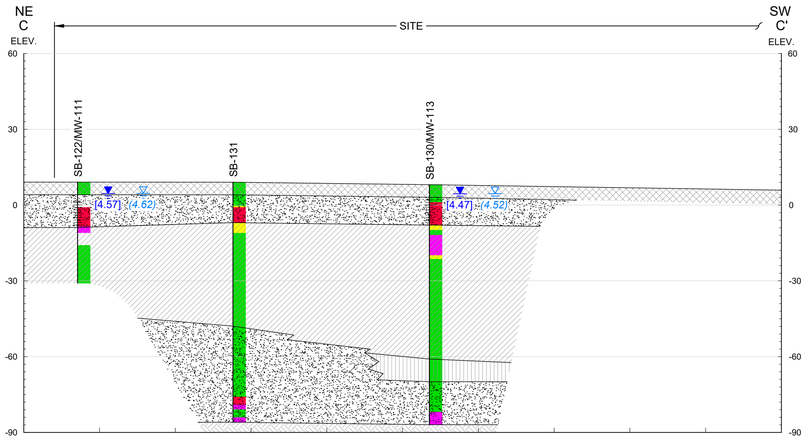
OBSERVED IMPACTS IN SOIL BORINGS

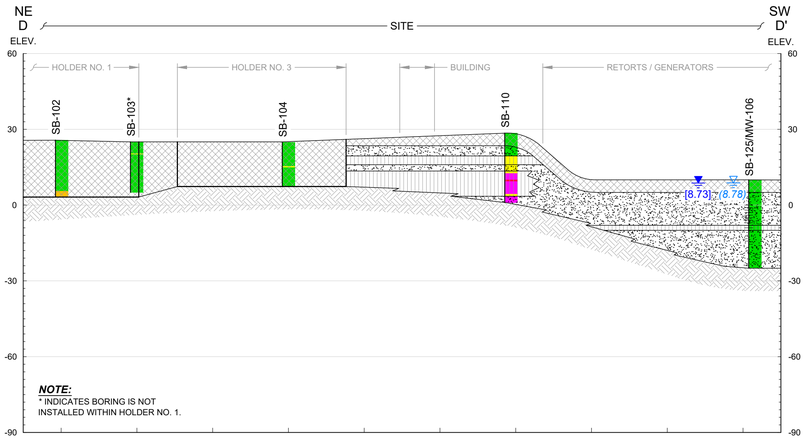
Project 1900674 | April 2020 | Fig. 5

J:\Projects\Con Ed\Woodworth Ave Yonkers\ObservedImpactsSite.mxd

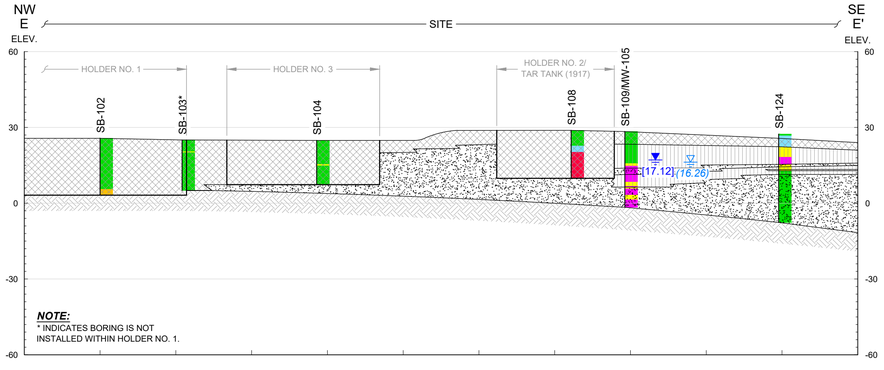








NOTE:
* INDICATES BORING IS NOT INSTALLED WITHIN HOLDER NO. 1.



NOTE:
* INDICATES BORING IS NOT INSTALLED WITHIN HOLDER NO. 1.

HORIZONTAL SCALE, FEET
0 30 60
0 30 60
VERTICAL SCALE, FEET
NOTE: 1X VERTICAL EXAGGERATION

CROSS SECTION LEGEND

SB-122/MW-111 — SOIL BORING OR MONITORING WELL IDENTIFICATION

WELL SCREEN INTERVAL

CONTACT

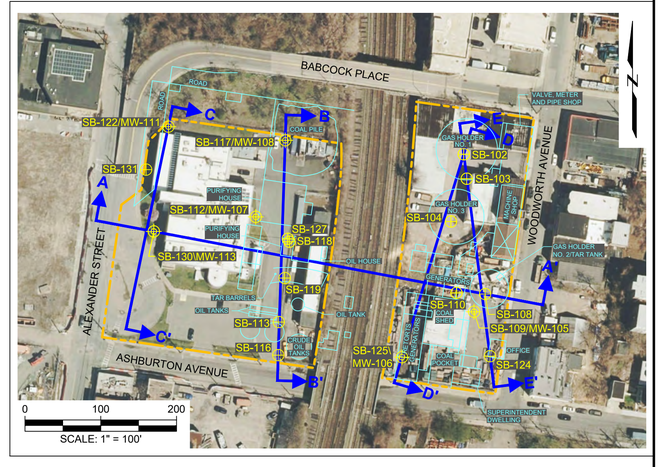
BOUNDARY IS APPROXIMATED

(8.78) GROUNDWATER ELEVATION LOW TIDE (7/24/2019)

[8.73] GROUNDWATER ELEVATION HIGH TIDE (7/24/2019)

GEOLOGIC UNIT
- FILL
- SAND
- PEAT
- SILT
- CLAY
- BEDROCK

PHYSICAL OBSERVATIONS
- TAR SATURATED
- COATED MATERIAL, LENSES
- HARDENED TAR
- BLEBS, GLOBS, SHEEN
- STAINING, ODORS
- PETROLEUM IMPACTS SATURATION & SHEEN
- PETROLEUM IMPACTS STAINING & ODOR
- NO OBSERVED IMPACTS



CROSS-SECTION LOCATION MAP

Site Characterization Report Woodworth Avenue Works Former MGP Site City of Yonkers, New York	GEI Consultants	CROSS SECTIONS
Consolidated Edison Company of New York New York, New York	Project 1900674	April 2020 Fig. 6

\\geiconsulta B:\Working\CON ED\1900674 Woodworth Ave MGP\00_CAD\Figures\SCR\1900674_SCR_XSEC.dwg - 11/21/2019

LEGEND:

- SOIL BORING
- PROPERTY BOUNDARY
- CHAIN-LINK FENCE
- CURRENT STRUCTURE
- FORMER STRUCTURE
- 1968 SHORELINE
- 1881 SHORELINE

ANALYTICAL BOXES

6 NYCRR -NEW YORK STATE REGISTER AND OFFICIAL COMPILATION OF CODES, RULES AND REGULATIONS OF THE STATE OF NEW YORK

6 NYCRR 375 SCO UNRESTRICTED USE - REGULATORY COMPARISON AGAINST NYCRR, CHAPTER IV, PART 375-6 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES

mg/kg	MILLIGRAMS/KILOGRAM OR PARTS PER MILLION (PPM)
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENE
PAHs	POLYCYCLIC AROMATIC HYDROCARBONS
SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
VOCs	VOLATILE ORGANIC COMPOUNDS
J	ESTIMATED VALUE
ND	NOT DETECTED; TOTAL CONCENTRATION IS LISTED AS ND BECAUSE NO COMPOUNDS WERE DETECTED IN THE GROUP
U	INDICATES NOT DETECTED AT OR ABOVE THE REPORTING LIMIT SHOWN
BOLD	INDICATES A DETECTED CONCENTRATION
BOLD (shaded)	INDICATES THAT THE DETECTED RESULT VALUE EXCEEDS ESTABLISHED 6 NYCRR SCO UNRESTRICTED USE
BOLD (shaded)	INDICATES THAT THE DETECTED RESULT VALUE EXCEEDS ESTABLISHED 6 NYCRR SCO RESTRICTED USE INDUSTRIAL

Sample Name:	Unrestricted SCO	Industrial SCO	SB-105 (2.5-3.0)	SB-105 (9.0-9.5)	SB-105 (18.0-18.5)	SB-105 (24.0-24.5)	SB-105 (31.5-32.0)
Sample Depth (feet):							
Sample Date:			3/27/2019	4/8/2019	4/8/2019	4/8/2019	4/8/2019
BTEX (mg/kg)							
Benzene	0.06	89	180 U	**0.42 J**	**0.0014**	**8.3**	**0.051 J**
Toluene	0.70	1000	**760**	**0.58 J**	**0.00071 J**	**20**	0.12 U
Ethylbenzene	1.00	780	**12000**	**120**	**0.061**	**130**	**1.3**
o-Xylene	0.26	1000	**18000**	**25**	**0.032**	**54**	**0.41**
m/p-Xylene	0.26	1000	**44000**	**380**	**0.095**	**110**	**0.8**
Total BTEX	NE	NE	**74760**	**526**	**0.19011**	**322.3**	**2.561**
Other VOCs (mg/kg)							
Acetone	0.05	1000	**1100**	4.7 U	**0.0078**	4.6 U	0.58 U
cis-1,2-Dichloroethene	0.25	1000	**220**	0.94 U	0.001 U	0.91 U	0.12 U
Trichloroethene (TCE)	0.47	400	**280**	0.94 U	0.001 U	0.91 U	0.12 U
Total VOCs	NE	NE	**76930**	**532.2**	**0.22362**	**331.8**	**2.781**
PAHs (mg/kg)							
Acenaphthene	20	1000	**0.97 J**	**1.4 J**	**0.13 J**	**71**	**5.4**
Benzo(a)anthracene	1	11	**0.72 J**	**8.8**	**0.83**	**26**	**1.3**
Benzo(b)fluoranthene	1	11	**0.72 J**	**11**	**1.2**	**17**	**0.72**
Benzo(k)fluoranthene	0.8	110	**0.22 J**	**3.4**	**0.74**	**5.1**	0.19 U
Benzo(a)pyrene	1	1.1	0.94 U	**8.5**	**1**	**20**	**0.97**
Chrysene	1	110	**0.88 J**	**8.2**	**0.83**	**26 J**	**1.3 J**
Dibenz(a,h)anthracene	0.33	1.1	0.94 U	**1.3**	**0.16**	**2 J**	0.19 U
Fluorene	30	1000	**1.9 J**	**3.3**	**0.16 J**	**60**	**3.8**
Indeno(1,2,3-cd)pyrene	0.5	11	0.94 U	**6.7 J**	**0.61**	**9.7 J**	**0.36 J**
Naphthalene	12	1000	**49**	**2.4**	**3.3**	**660**	**32**
Phenanthrene	100	1000	**6.2 J**	**16**	**1.3**	**170**	**9.1**
Total PAHs	NE	NE	**100.6**	**116.5**	**15.515**	**1544.3**	**81.44**
Other SVOCs (mg/kg)							
Phenol	0.33	1000	**0.87 J**	1.9 U	0.41 U	40 U	1.9 U
Total SVOCs	NE	NE	**108.18**	**122.77**	**15.858**	**1577.8**	**83.323**
Total Metals (mg/kg)							
Barium	350	10000	**882**	**70.9**	**70.1**	**56.3**	**62.8**
Copper	50	10000	**82.4 J**	**33.6 J**	**27.1 J**	**19.2 J**	**32 J**
Lead	63	3900	**42800 J**	**179 J**	**15.7 J**	**8.4 J**	**3.1 J**
Mercury	0.18	5.7	**17.7 J**	**0.39 J**	**0.024 J**	**0.021 J**	0.018 U
Zinc	109	10000	**4240**	**53.7**	**49.6**	**28.2**	**20**
Cyanides (mg/kg)							
Total Cyanide	27	10000	**48.7 J**	**0.92 J**	**0.42 J**	**0.23 J**	**0.35 J**
Other (mg/kg)							
Diesel Range Organics	NE	NE	**64000**	NA	NA	NA	NA
Gasoline Range Organics	NE	NE	**72000**	NA	NA	NA	NA

Sample Name:	Unrestricted SCO	Industrial SCO	SB-104 (11.5-12)	Duplicate of SB-104 (11.5-12)	SB-104 (17.0-17.5)
Sample Depth (feet):					
Sample Date:			4/5/2019	4/5/2019	4/5/2019
BTEX (mg/kg)					
m/p-Xylene	0.26	1000	**1.4**	**0.88**	**0.13**
Total BTEX	NE	NE	**1.6704**	**1.519**	**0.4**
Other VOCs (mg/kg)					
Total VOCs	NE	NE	**1.72905**	**1.6024**	**0.45057**
PAHs (mg/kg)					
Total PAHs	NE	NE	**0.107**	**0.743**	**0.34**
Other SVOCs (mg/kg)					
Total SVOCs	NE	NE	**0.107**	**0.769**	**0.34**

Sample Name:	Unrestricted SCO	Industrial SCO	SB-106 (21.0-21.5)	SB-106 (26.7-27.0)	SB-106 (31.5-32)
Sample Depth (feet):					
Sample Date:			4/8/2019	4/8/2019	4/8/2019
BTEX (mg/kg)					
Benzene	0.06	89	0.00098 U	**0.3**	0.084 U
Ethylbenzene	1	780	**0.0024**	**2.3**	**0.93**
o-Xylene	0.26	1000	**0.0022**	**0.32**	**0.29**
m/p-Xylene	0.26	1000	**0.006**	**0.73**	**0.61**
Total BTEX	NE	NE	**0.0106**	**4.02**	**1.83**
Other VOCs (mg/kg)					
Total VOCs	NE	NE	**0.0182**	**7.21**	**1.95**
PAHs (mg/kg)					
Benzo(a)anthracene	1	11	**0.87**	**0.59**	**2.5**
Benzo(b)fluoranthene	1	11	**1.2**	**0.64**	**1.7**
Benzo(a)pyrene	1	1.1	**1.1**	**0.59**	**2.2**
Chrysene	1	110	**1**	**0.59**	**2.3 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**0.58**	**0.27**	**1.2 J**
Naphthalene	12	1000	**0.64**	**4.3**	**63**
Total PAHs	NE	NE	**12.77**	**15.625**	**143.16**
Other SVOCs (mg/kg)					
Total SVOCs	NE	NE	**13.0668**	**16.057**	**146.47**
Total Metals (mg/kg)					
Lead	63	3900	**207 J**	**825 J**	**9.7 J**
Mercury	0.18	5.7	**2.3 J**	**2 J**	0.018 U
Zinc	109	10000	**160**	**187**	**21.7**

Sample Name:	Unrestricted SCO	Industrial SCO	SB-123 (6.5-7.0)
Sample Depth (feet):			
Sample Date:			4/15/2019
BTEX (mg/kg)			
Total BTEX	NE	NE	**0.02**
Other VOCs (mg/kg)			
Total VOCs	NE	NE	**0.05**
PAHs (mg/kg)			
Benzo(a)anthracene	1	11	**7.1**
Benzo(b)fluoranthene	1	11	**8.2**
Benzo(k)fluoranthene	0.8	110	**2.4**
Benzo(a)pyrene	1	1.1	**6.8**
Chrysene	1	110	**8.1**
Dibenz(a,h)anthracene	0.33	1.1	**1.5 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**6.1**
Total PAHs	NE	NE	**95.25**
Other SVOCs (mg/kg)			
Total SVOCs	NE	NE	**96.934**
Total Metals (mg/kg)			
Arsenic	13	16	**15.8**
Barium	350	10000	**411 J**
Cadmium	2.5	60	**5.1**
Copper	50	10000	**59.7**
Lead	63	3900	**580**
Mercury	0.18	5.7	**6.2 J**
Zinc	109	10000	**1620 J**

Sample Name:	Unrestricted SCO	Industrial SCO	SB-103 (4.5-5.0)	SB-103 (9.5-10)	SB-103 (18.5-19)
Sample Depth (feet):					
Sample Date:			4/5/2019	4/5/2019	4/5/2019
BTEX (mg/kg)					
Benzene	0.06	89	**0.1**	**0.3 J**	**2.2**
Toluene	0.7	1000	**0.052 J**	**0.77**	**6.2**
Ethylbenzene	1	780	**2**	**43**	**31**
o-Xylene	0.26	1000	**0.42**	**61**	**16**
m/p-Xylene	0.26	1000	**0.55**	**150**	**23**
Total BTEX	NE	NE	**3.152**	**255.07**	**78.4**
Other VOCs (mg/kg)					
Total VOCs	NE	NE	**6.558**	**285.47**	**84.128**
PAHs (mg/kg)					
Acenaphthene	20	1000	**5.3**	**25**	**12**
Benzo(a)anthracene	1	11	**3**	**9.3**	**3.1**
Benzo(b)fluoranthene	1	11	**3.7**	**5.4**	**1.6**
Benzo(k)fluoranthene	0.8	110	**1.2**	**1.7 J**	**0.66**
Benzo(a)pyrene	1	1.1	**3.2**	**6.1**	**2**
Chrysene	1	110	**3.1**	**9.2 J**	**3.1 J**
Dibenz(a,h)anthracene	0.33	1.1	**0.5**	1.9 U	**0.19 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**2.7 J**	**2.4 J**	**0.82 J**
Naphthalene	12	1000	**12**	**190**	**48**
Total PAHs	NE	NE	**73.60**	**487.7**	**154.79**
Other SVOCs (mg/kg)					
Total SVOCs	NE	NE	**77.19**	**497.19**	**158.75**
Total Metals (mg/kg)					
Lead	63	3900	**221 J**	**14.6 J**	**13 J**
Mercury	0.18	5.7	**1.3 J**	**0.019 J**	0.019 U
Zinc	109	10000	**222**	**27.5**	**31.1**

Sample Name:	Unrestricted SCO	Industrial SCO	SB-102 (18.5-19.0)	SB-102 (22.0-22.5)
Sample Depth (feet):				
Sample Date:			4/5/2019	4/5/2019
BTEX (mg/kg)				
Total BTEX	NE	NE	**0.000061**	**0.00332**
Other VOCs (mg/kg)				
Total VOCs	NE	NE	**0.000061**	**0.00423**
PAHs (mg/kg)				
Total PAHs	NE	NE	ND	ND
Other SVOCs (mg/kg)				
Total SVOCs	NE	NE	ND	ND

Sample Name:	Unrestricted SCO	Industrial SCO	SB-101 (9.5-10.0)	SB-101 (18.0-18.5)	SB-101 (24.5-25.0)
Sample Depth (feet):					
Sample Date:			4/23/2019	4/23/2019	4/23/2019
BTEX (mg/kg)					
Total BTEX	NE	NE	ND	ND	**0.00**
Other VOCs (mg/kg)					
Total VOCs	NE	NE	**0.00377**	**0.00071**	**0.000772**
PAHs (mg/kg)					
Benzo(a)anthracene	1	11	**3.2 J**	0.037 U	0.037 U
Benzo(b)fluoranthene	1	11	**4.1 J**	0.037 U	0.037 U
Benzo(k)fluoranthene	0.8	110	**1.6 J**	0.037 U	0.037 U
Benzo(a)pyrene	1	1.1	**3.8 J**	0.037 U	0.037 U
Chrysene	1	110	**3.1 J**	0.37 U	0.37 U
Dibenz(a,h)anthracene	0.33	1.1	**0.53 J**	0.037 U	0.037 U
Indeno(1,2,3-cd)pyrene	0.5	11	**2.1 J**	0.037 U	0.037 U
Total PAHs	NE	NE	**36.32**	**0.097**	**0.0494**
Other SVOCs (mg/kg)					
Total SVOCs	NE	NE	**36.73**	**0.097**	**0.0494**
Total Metals (mg/kg)					
Copper	50	10000	**51.7**	**30.3**	**20.5**
Lead	63	3900	**286**	**7.8**	**1.8**
Mercury	0.18	5.7	**3.6 J**	0.019 UJ	0.019 UJ
Zinc	109	10000	**174 J**	**28.1 J**	**13.8 J**

Sample Name:	Unrestricted SCO	Industrial SCO	SB-107 (8.0-8.5)	Duplicate of SB-107 (8.0-8.5)	SB-107 (18.0-18.5)	SB-107 (20.5-21.0)
Sample Depth (feet):						
Sample Date:			4/12/2019	4/12/2019	4/12/2019	4/12/2019
BTEX (mg/kg)						
Benzene	0.06	89	**0.91 J**	**0.00059 J**	2 U	**0.057 J**
Ethylbenzene	1	780	**5.8 J**	**0.028 J**	**51**	**11**
o-Xylene	0.26	1000	**3.4 J**	**0.014 J**	**20**	**4.5**
m/p-Xylene	0.26	1000	**2.9 J**	**0.013 J**	**17**	**6.6**
Total BTEX	NE	NE	**13.01**	**0.05559**	**88**	**22.214**
Other VOCs (mg/kg)						
Total VOCs	NE	NE	**14.81**	**0.08483**	**94.9**	**23.297**
PAHs (mg/kg)						
Acenaphthene	20	1000	**0.78**	**0.14 J**	**58**	**41**
Benzo(a)anthracene	1	11	**0.65 J**	**0.23 J**	**21**	**26**
Benzo(b)fluoranthene	1	11	**0.39 J**	**2.1 J**	**12**	**20**
Benzo(k)fluoranthene	0.8	110	**0.15 J**	**0.66 J**	**5.1**	**7.1**
Benzo(a)pyrene	1	1.1	**0.4 J**	**2.6 J**	**15**	**25**
Chrysene	1	110	**0.63**	**0.6**	**21**	**26**
Dibenz(a,h)anthracene	0.33	1.1	0.038 UJ	**0.39 J**	**1.7**	**3**
Fluorene	30	1000	**0.93 J**	**0.14 J**	**49**	**44**
Indeno(1,2,3-cd)pyrene	0.5	11	**0.16 J**	**1.9 J**	**5.3**	**10**
Naphthalene	12	1000	**0.72**	**0.45**	**62**	**52**
Phenanthrene	100	1000	**3.6 J**	**0.22 J**	**140**	**150**
Total PAHs	NE	NE	**13.43**	**14.27**	**611.4**	**642.5**
Other SVOCs (mg/kg)						
Total SVOCs	NE	NE	**13.746**	**14.33**	**630.38**	**661.61**

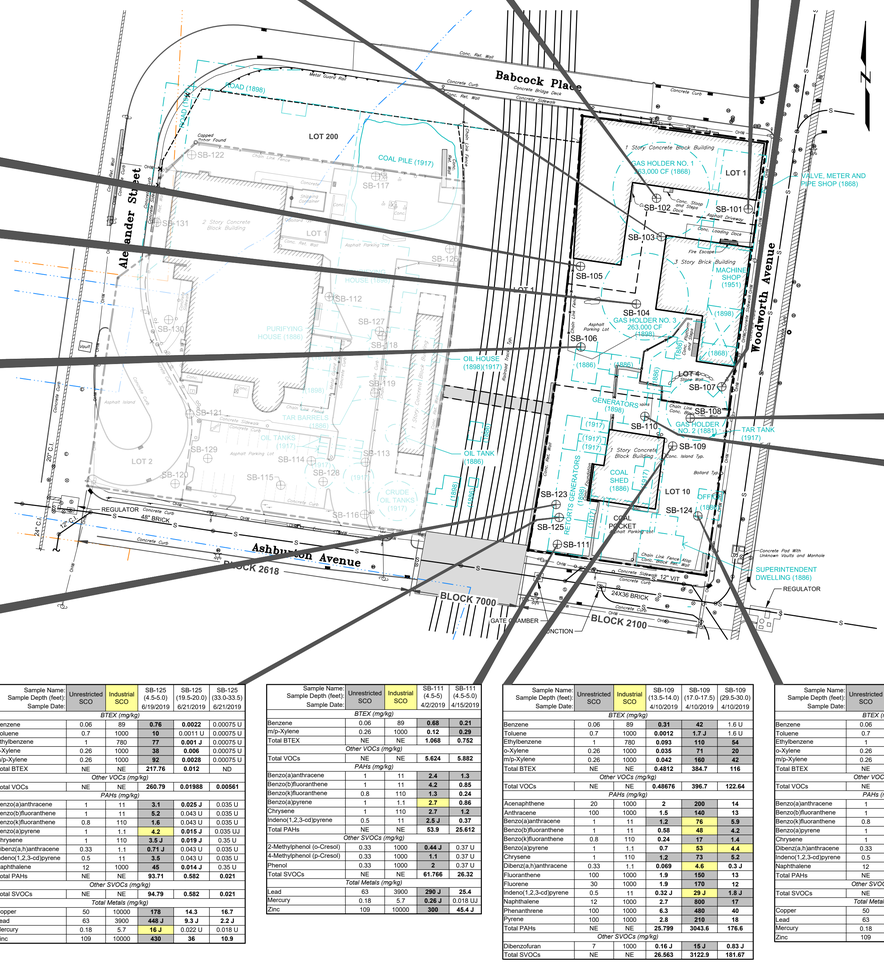
Sample Name:	Unrestricted SCO	Industrial SCO	SB-108 (2.0-2.5)	SB-108 (18.5-19.0)
Sample Depth (feet):				
Sample Date:			3/29/2019	4/9/2019
BTEX (mg/kg)				
Benzene	0.06	89	**0.00041 J**	**1800**
Toluene	0.7	1000	0.0016 U	**2100**
Ethylbenzene	1	780	0.0016 U	**1300**
o-Xylene	0.26	1000	**0.00025 J**	**1100**
m/p-Xylene	0.26	1000	0.0016 U	**2400**
Total BTEX	NE	NE	**0.00066**	**8700**
Other VOCs (mg/kg)				
Total VOCs	NE	NE	**0.01521**	**8782**
PAHs (mg/kg)				
Acenaphthene	20	1000	**0.68 J**	**630 J**
Acenaphthylene	100	1000	**2.7**	**1400**
Anthracene	100	1000	**0.82 J**	**2000**
Benzo(a)anthracene	1	11	**3**	**1300**
Benzo(b)fluoranthene	1	11	**3.1**	**790**
Benzo(k)fluoranthene	0.8	110	**1**	**320**
Benzo(g,h,i)perylene	100	1000	**1.4**	**1500**
Benzo(a)pyrene	1	1.1	**1.5**	**940**
Chrysene	1	110	**2.2**	**1200 J**
Dibenz(a,h)anthracene	0.33	1.1	**0.39**	**220**
Fluoranthene	100.00	1000	**3.1**	**2400**
Fluorene	30.00	1000	**0.54 J**	**2600**
Indeno(1,2,3-cd)pyrene	0.5	11	**1.7**	**1500 J**
Naphthalene	12	1000	**3.6**	**18000**
Phenanthrene	100	1000	**2.6**	**7800**
Pyrene	100	1000	**3.5**	**3400**
Total PAHs	NE	NE	**32.13**	**54500**
Other SVOCs (mg/kg)				
Dibenzofuran	7	1000	**0.27 J**	**230 J**
Total SVOCs	NE	NE	**34.052**	**56004**
Total Metals (mg/kg)				
Arsenic	13	16	**20.2**	**30.4**
Copper	50	10000	**51.3 J**	**205 J**
Lead	63	3900	**136 J**	**579 J**
Mercury	0.18	5.7	**0.28 J**	**0.11 J**
Selenium	3.9	6800	**7.2**	**10.1**
Zinc	109	10000	**52.8**	**364**
Cyanides (mg/kg)				
Total Cyanide	27	10000	**1.6 J**	**35.3 J**
Other (mg/kg)				
Diesel Range Organics	NE	NE	**2600 J**	NA
Gasoline Range Organics	NE	NE	**6**	NA

Sample Name:	Unrestricted SCO	Industrial SCO	SB-110 (16.0-16.5)	SB-110 (19.5-20.0)	SB-110 (27.0-27.5)
Sample Depth (feet):					
Sample Date:			4/10/2019	4/10/2019	4/10/2019
BTEX (mg/kg)					
Benzene	0.06	89	**0.3**	**35**	**1.8**
Toluene	0.7	1000	**0.63**	**240**	**24**
Ethylbenzene	1	780	**6.7**	**310**	**86**
o-Xylene	0.26	1000	**2.7**	**130**	**110**
m/p-Xylene	0.26	1000	**5.3**	**280**	**330**
Total BTEX	NE	NE	**15.63**	**995**	**551.8**
Other VOCs (mg/kg)					
Total VOCs	NE	NE	**16.283**	**1015**	**587.2**
PAHs (mg/kg)					
Acenaphthene	20	1000	**71**	**250**	**34 J**
Acenaphthylene	100	1000	**44**	**140**	**190**
Anthracene	100	1000	**50**	**170**	**140**
Benzo(a)anthracene	1	11	**27**	**110**	**96**
Benzo(b)fluoranthene	1	11	**16**	**72**	**76**
Benzo(k)fluoranthene	0.8	110	**5.1**	**28**	**26**
Benzo(a)pyrene	1	1.1	**19**	**84**	**83**
Chrysene	1	110	**25 J**	**110**	**82**
Dibenz(a,h)anthracene	0.33	1.1	**2.3 J**	**6.6 J**	**6.6**
Fluoranthene	100	1000	**45**	**210**	**200**
Fluorene	30	1000	**59**	**240**	**170**
Indeno(1,2,3-cd)pyrene	0.5	11	**15 J**	**45**	**45 J**
Naphthalene	12	1000	**220**	**970**	**840**
Phenanthrene	100	1000	**160**	**690**	**600**
Pyrene	100	1000	**65**	**300**	**290**
Total PAHs	NE	NE	**1009.4**	**4147.6**	**3249.6**
Other SVOCs (mg/kg)					
Dibenzofuran	7	1000	**5.8 J**	**22 J**	**8.1 J**
Total SVOCs	NE	NE	**1034.9**	**4251.1**	**3360.5**

Sample Name:	Unrestricted SCO	Industrial SCO	SB-111 (4.5-5)	SB-111 (4.5-5.0)
Sample Depth (feet):				
Sample Date:			4/2/2019	4/15/2019
BTEX (mg/kg)				
Benzene	0.06	89	**0.68**	**0.21**
m/p-Xylene	0.26	1000	**0.12**	**0.29**
Total BTEX	NE	NE	**1.068**	**0.752**
Other VOCs (mg/kg)				
Total VOCs	NE	NE	**5.624**	**5.882**
PAHs (mg/kg)				
Benzo(a)anthracene	1	11	**2.4**	**1.3**
Benzo(b)fluoranthene	1	11	**4.2**	**0.85**
Benzo(k)fluoranthene	0.8	110	**1.3**	**0.24**
Benzo(a)pyrene	1	1.1	**2.7**	**0.86**
Chrysene	1	110	**2.7**	**1.2**
Indeno(1,2,3-cd)pyrene	0.5	11	**2.5 J**	**0.37**
Total PAHs	NE	NE	**53.9**	**25.612**
Other SVOCs (mg/kg)				
2-Methylphenol (o-Cresol)	0.33	1000	**0.44 J**	0.37 U
4-Methylphenol (p-Cresol)	0.33	1000	**1.1**	0.37 U
Phenol	0.33	1000	**2**	0.37 U
Total SVOCs	NE	NE	**61.766**	**26.32**
Total Metals (mg/kg)				
Lead	63	3900	**290 J**	**25.4**
Mercury	0.18	5.7	**0.26 J**	0.018 UJ
Zinc	109	10000	**300**	**45.4 J**

Sample Name:	Unrestricted SCO	Industrial SCO	SB-109 (13.5-14.0)	SB-109 (17.0-17.5)	SB-109 (29.5-30.0)
Sample Depth (feet):					
Sample Date:			4/10/2019	4/10/2019	4/10/2019
BTEX (mg/kg)					
Benzene	0.06	89	**0.31**	**42**	1.6 U
Toluene	0.7	1000	**0.0012**	**1.7 J**	1.6 U
Ethylbenzene	1	780	**0.093**	**110**	**54**
o-Xylene	0.26	1000	**0.035**	**71**	**20**
m/p-Xylene	0.26	1000	**0.042**	**160**	**42**
Total BTEX	NE	NE	**0.4812**	**384.7**	**116**
Other VOCs (mg/kg)					
Total VOCs	NE	NE	**0.48676**	**396.7**	**122.64**
PAHs (mg/kg)					
Acenaphthene	20	1000	**2**	**200**	**14**
Anthracene	100	1000	**1.5**	**140**	**13**
Benzo(a)anthracene	1	11	**1.2**	**76**	**5.9**
Benzo(b)fluoranthene	1	11	**0.58**	**48**	**4.2**
Benzo(k)fluoranthene	0.8	110	**0.24**	**17**	**1.4**
Benzo(a)pyrene	1	1.1	**0.7**	**53**	**4.4**
Chrysene	1	110	**1.2**	**73**	**5.2**
Dibenz(a,h)anthracene	0.33	1.1	**0.069**	**4.6**	**0.3 J**
Fluoranthene	100	1000	**1.9**	**150**	**13**
Fluorene	30	1000	**1.9**	**170**	**12**
Indeno(1,2,3-cd)pyrene	0.5	11	**0.32 J**	**29 J**	**1.8 J**
Naphthalene	12	1000	**2.7**	**800**	**17**
Phenanthrene	100	1000	**6.3**	**480**	**40**
Pyrene	100	1000	**2.8**	**210**	**18**
Total PAHs	NE	NE	**25.799**	**3043.6**	**176.6**
Other SVOCs (mg/kg)					
Dibenzofuran	7	1000	**0.16 J**	**15 J**	**0.83 J**
Total SVOCs	NE	NE	**26.563**	**3122.9**	**181.67**

Sample Name:	Unrestricted SCO	Industrial SCO	SB-124 (0.0-0.5)	SB-124 (34.0-34.5)
Sample Depth (feet):				
Sample Date:			6/21/2019	6/21/2019
BTEX (mg/kg)				
Benzene	0.06	89	**4**	0.00087 U
Toluene	0.7	1000	**54**	0.00087 U
Ethylbenzene	1	780	**360**	0.00087 U
o-Xylene	0.26	1000	**180**	0.00087 U
m/p-Xylene	0.26	1000	**430**	0.00087 U
Total BTEX	NE	NE	**1028.00**	ND
Other VOCs (mg/kg)				
Total VOCs	NE	NE	**1247**	**0.00047**
PAHs (mg/kg)				
Benzo(a)anthracene	1	11	**3.7**	0.036 U
Benzo(b)fluoranthene	1	11	**3.4**	0.036 U
Benzo(k)fluoranthene	0.8	110	**1.3**	0.036 U
Benzo(a)pyrene	1	1.1	**3.5 J**	0.036 U
Chrysene	1	110	**4.1 J**	0.36 U
Dibenz(a,h)anthracene	0.33	1.1	**0.41 J**	0.036 U
Indeno(1,2,3-cd)pyrene	0.5	11	**2.3**	0.036 U
Naphthalene	12	1000	**100**	**0.013 J**
Total PAHs	NE	NE	**166.21**	**0.013**
Other SVOCs (mg/kg)				
Total SVOCs	NE	NE	**168.92**	**0.013**
Total Metals (mg/kg)				
Copper	50	10000	**188**	**16.1**
Lead	63	3900	**3520 J**	**2.4 J**
Mercury	0.18	5.7	**7.6 J**	0.017 U
Zinc	109	10000	**523**	**12.9**



Site Characterization Report
Woodworth Avenue Works Former MGP Site
City of Yonkers, New York

Consolidated Edison Company of New York
New York, New York

GEI Consultants

SOIL ANALYTICAL DATA - EAST

Project 1900674 | April 2020 | Fig. 7

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Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-131 (5.0-5.5) 6/20/2019	SB-131 (15.5-16.0) 6/27/2019	SB-131 (17.0-17.5) 6/27/2019	Duplicate of SB-131 (17.0-17.5) 6/27/2019	SB-131 (88.0-88.5) 6/27/2019	SB-131 (94.0-94.5) 6/27/2019
BTEX (mg/kg)								
Benzene	0.06	89	0.0011 U	**76**	**5.5**	**4.7**	**26**	**0.68 J**
Toluene	0.7	1000	0.0011 U	5 U	0.13 U	0.13 U	**530**	**88**
Ethylbenzene	1	780	0.0011 U	**350**	**6.9**	**6.4**	**98**	**36**
o-Xylene	0.26	1000	0.0011 U	**18**	**0.68**	**0.51**	**190**	**50**
m/p-Xylene	0.26	1000	0.0011 U	**20**	**1.2**	**0.99**	**450**	**120**
Total BTEX	NE	NE	ND	**464**	**14.28**	**12.6**	**1294**	**294.68**
Other VOCs (mg/kg)								
Total VOCs	NE	NE	ND	**498.6**	**14.8**	**13.25**	**1613**	**329.67**
PAHs (mg/kg)								
Acenaphthene	20	1000	**0.045 J**	**82**	**1.2 J**	**1 J**	**15 J**	**12 J**
Acenaphthylene	100	1000	**0.11 J**	**12 J**	**0.13 J**	**0.13 J**	**120**	**49**
Benzo(a)anthracene	1	11	**0.47**	**22**	**0.38 J**	**0.29 J**	**60**	**30**
Benzo(b)fluoranthene	1	11	**0.56**	**11**	**0.2 J**	**0.16 J**	**29**	**17**
Benzo(k)fluoranthene	0.8	110	**0.27**	**3.6**	**0.081 J**	**0.058 J**	**14**	**7.2**
Benzo(a)pyrene	1	1.1	**0.48**	**13**	**0.24 J**	**0.2 J**	**42**	**23**
Chrysene	1	110	**0.52**	**23**	**0.37 J**	**0.3 J**	**49 J**	**39 J**
Dibenz(a,h)anthracene	0.33	1.1	**0.088**	**1.6 J**	0.23 UJ	0.047 UJ	**6.4 J**	**2.4 J**
Fluorene	30	1000	**0.041 J**	**82**	**0.64 J**	**0.51 J**	**100**	**60**
Indeno(1,2,3-cd)pyrene	0.5	11	**0.39**	**4.6**	**0.092 J**	**0.071**	**16**	**8.8**
Naphthalene	12	1000	**0.058 J**	**230**	**21 J**	**9.2 J**	**660**	**550**
Phenanthrene	100	1000	**0.5**	**150**	**1.9 J**	**1.6 J**	**300**	**170**
Pyrene	100	1000	**1**	**63**	**0.96 J**	**0.71 J**	**140**	**78**
Total PAHs	NE	NE	**5.85**	**944.4**	**31.073**	**17.168**	**2042.4**	**1375.4**
Other SVOCs (mg/kg)								
Total SVOCs	NE	NE	**5.89**	**970.80**	**31.433**	**17.538**	**2100.6**	**1410.2**
Total Metals (mg/kg)								
Copper	50	10000	**224**	**29 J**	**12.8 J**	**13 J**	**9.2 J**	**14.1 J**
Lead	63	3900	**39.2 J**	**490 J**	**12 J**	**12.7 J**	**4.8 J**	**1.8 J**
Mercury	0.18	5.7	**0.16 J**	**0.23**	**0.13 J**	**0.021 J**	0.018 U	0.019 U
Zinc	109	10000	**55.9**	**202**	**64.7**	**65.1**	**13.5**	**12**

Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-122 (17.0-17.5) 4/25/2019	SB-122 (19.5-20.0) 4/25/2019	SB-122 (39.0-39.5) 4/25/2019
BTEX (mg/kg)					
Benzene	0.06	89	**51**	**0.00072 J**	0.0013 U
Ethylbenzene	1	780	**200**	**0.00077 J**	0.0013 U
o-Xylene	0.26	1000	**10**	0.0012 U	0.0013 U
m/p-Xylene	0.26	1000	**5.1**	0.0012 U	0.0013 U
Total BTEX	NE	NE	**269.1**	**0.00149**	ND
Other VOCs (mg/kg)					
Total VOCs	NE	NE	**306.4**	**0.02023**	**0.0187**
PAHs (mg/kg)					
Acenaphthene	20	1000	**120**	**0.17 J**	0.45 U
Benzo(a)anthracene	1	11	**33**	**0.083**	0.045 U
Benzo(b)fluoranthene	1	11	**19**	**0.057**	0.045 U
Benzo(k)fluoranthene	0.8	110	**7.2**	**0.021 J**	0.045 U
Benzo(a)pyrene	1	1.1	**28**	**0.072**	0.045 U
Chrysene	1	110	**31 J**	**0.089 J**	0.45 U
Dibenz(a,h)anthracene	0.33	1.1	**3.6**	**0.068 J**	0.045 U
Fluorene	30	1000	**61**	**0.11 J**	0.45 U
Indeno(1,2,3-cd)pyrene	0.5	11	**12 J**	**0.03 J**	0.045 U
Naphthalene	12	1000	**110**	**0.7**	0.45 U
Phenanthrene	100	1000	**180**	**0.37 J**	0.45 U
Total PAHs	NE	NE	**1690.50**	**2.516**	ND
Other SVOCs (mg/kg)					
Dibenzofuran	7	1000	**7.5 J**	**0.013 J**	0.45 U
Total SVOCs	NE	NE	**1739**	**2.592**	ND
Total Metals (mg/kg)					
Copper	50	10000	**37.9**	**80.7**	**11**
Lead	63	3900	**247**	**241**	**10.2**
Mercury	0.18	5.7	**10.1 J**	0.023 UJ	0.023 UJ
Zinc	109	10000	**192 J**	**298 J**	**54.9 J**

Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-112 (9.0-9.5) 4/17/2019	SB-112 (24.0-24.5) 4/17/2019	SB-112 (24.5-25.0) 4/17/2019
BTEX (mg/kg)					
Benzene	0.06	89	**2.9**	**6.7**	**0.04 J**
Toluene	0.7	1000	**1.3**	**13**	**0.045 J**
Ethylbenzene	1	780	**51**	**46**	**0.2 J**
o-Xylene	0.26	1000	**5.1**	**23**	**0.094 J**
m/p-Xylene	0.26	1000	**6.3**	**49**	**0.18 J**
Total BTEX	NE	NE	**66.4**	**137.7**	**0.559**
Other VOCs (mg/kg)					
Acetone	0.05	1000	5.2 U	3.6 U	**0.31 J**
Total VOCs	NE	NE	**79.25**	**146.3**	**1.0213**
PAHs (mg/kg)					
Acenaphthene	20	1000	**49**	**3.4**	**0.21 J**
Benzo(a)anthracene	1	11	**29**	**0.85**	**0.11 J**
Benzo(b)fluoranthene	1	11	**25**	**0.71**	**0.07 J**
Benzo(k)fluoranthene	0.8	110	**10**	**0.27**	0.15 UJ
Benzo(a)pyrene	1	1.1	**28**	**0.7**	0.15 UJ
Chrysene	1	110	**27**	**0.87**	**0.077 J**
Dibenz(a,h)anthracene	0.33	1.1	**3.6**	**0.068 J**	0.15 UJ
Fluorene	30	1000	**36**	**2.2**	**0.16 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**14 J**	**0.23**	0.15 UJ
Naphthalene	12	1000	**450**	**2.2**	**2.7 J**
Phenanthrene	100	1000	**120**	**5.3**	**0.6 J**
Total PAHs	NE	NE	**1110.7**	**29.888**	**5.227**
Other SVOCs (mg/kg)					
Total SVOCs	NE	NE	**1140.70**	**32.74**	**5.66**
Total Metals (mg/kg)					
Copper	50	10000	**60.7**	**8.6**	**22.3 J**
Lead	63	3900	**202**	**10.4**	**14 J**
Mercury	0.18	5.7	**1.1 J**	**0.044 J**	0.076 UJ
Nickel	30	10000	**35.3**	**7.1**	**21.1 J**
Zinc	109	10000	**140 J**	**20.6 J**	**51.6 J**

Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-117 (4.0-4.5) 4/8/2019	SB-117 (8.5-9.0) 4/16/2019	SB-117 (22.0-22.5) 4/16/2019	SB-117 (24.0-24.5) 4/16/2019
BTEX (mg/kg)						
Benzene	0.06	89	**0.013**	**0.009**	**24**	**3.9 J**
Toluene	0.7	1000	**0.0029**	**0.0024**	**0.93**	**0.2 J**
Ethylbenzene	1	780	0.0015 U	**0.002**	**120**	**20 J**
o-Xylene	0.26	1000	0.0015 U	**0.0064**	**8.2**	**1.1 J**
m/p-Xylene	0.26	1000	**0.0063 J**	**0.0037**	**30**	**1.2 J**
Total BTEX	NE	NE	**0.0162**	**0.0235**	**183.13**	**26.4**
Other VOCs (mg/kg)						
Total VOCs	NE	NE	**0.0162**	**0.06506**	**194.93**	**28.8**
PAHs (mg/kg)						
Acenaphthene	20	1000	0.4 U	**3.1**	**100**	**76 J**
Benzo(a)anthracene	1	11	**0.092**	**6.5**	**24**	**18 J**
Benzo(b)fluoranthene	1	11	**0.2**	**11**	**16**	**11 J**
Benzo(k)fluoranthene	0.8	110	0.4 U	**3.3**	**5.1**	**3.4 J**
Benzo(a)pyrene	1	1.1	**0.11**	**8.7**	**19**	**11 J**
Chrysene	1	110	**0.14 J**	**7.2**	**22 J**	**16 J**
Dibenz(a,h)anthracene	0.33	1.1	0.4 U	**0.55 J**	**3.4 J**	**0.75 J**
Fluorene	30	1000	**0.031 J**	**9.6**	**51**	**38 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**0.099 J**	**3.9**	**25**	**4.6 J**
Naphthalene	12	1000	**0.67**	**1.4 J**	**460**	**230 J**
Phenanthrene	100	1000	**0.19 J**	**6.3**	**150**	**110 J**
Total PAHs	NE	NE	**2.228**	**103.98**	**1311.5**	**798.29**
Other SVOCs (mg/kg)						
Total SVOCs	NE	NE	**2.408**	**105.94**	**1345.9**	**822.65**
Total Metals (mg/kg)						
Copper	50	10000	**59.3 J**	**82.3**	**27.7**	**12.6 J**
Lead	63	3900	**225 J**	**48.4**	**260**	**514 J**
Mercury	0.18	5.7	**1.8 J**	**0.14 J**	**0.28 J**	**1.7 J**
Nickel	30	10000	**22.1 J**	**226**	**15.2**	**13.9 J**
Zinc	109	10000	**362**	**378 J**	**980 J**	**76.4 J**

Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-126 (4.5-5.0) 6/19/2019	SB-126 (7.0-7.5) 6/24/2019	SB-126 (21.0-21.5) 6/24/2019	SB-126 (46.5-47.0) 6/24/2019	SB-126 (49.0-49.5) 6/24/2019
BTEX (mg/kg)							
Benzene	0.06	89	**0.54**	**12**	**2.5 J**	1.9 U	0.00088 U
Toluene	0.7	1000	**0.82**	**8**	**8.7**	**21 J**	**0.0023**
Ethylbenzene	1	780	**1.6**	**23**	**190**	**29 J**	**0.0074**
o-Xylene	0.26	1000	**1.1**	**3.2**	**90**	**40 J**	**0.017**
m/p-Xylene	0.26	1000	**3.1**	**6.4**	**170**	**86 J**	**0.034**
Total BTEX	NE	NE	**7.16**	**52.6**	**461.2**	**176**	**0.0607**
Other VOCs (mg/kg)							
Total VOCs	NE	NE	**13.43**	**153.1**	**486.7**	**181.4**	**0.07456**
PAHs (mg/kg)							
Acenaphthene	20	1000	**2.4 J**	**22**	**5.7 J**	18 U	**0.084 J**
Benzo(a)anthracene	1	11	**8.7**	**43**	**14**	**17**	**0.35**
Benzo(b)fluoranthene	1	11	**15**	**45**	**7.7**	**9.6**	**0.22**
Benzo(k)fluoranthene	0.8	110	**4.8**	**15**	**2.9**	**4.3**	**0.079**
Benzo(a)pyrene	1	1.1	**12**	**37**	**11**	**12**	**0.27**
Chrysene	1	110	**12**	**38**	**20 U**	**17 J**	**0.35**
Dibenz(a,h)anthracene	0.33	1.1	**2.1 J**	**3.5**	**0.89 J**	**0.98 J**	**0.023 J**
Fluorene	30	1000	**3.6 J**	**31**	**28**	**34**	**0.55**
Indeno(1,2,3-cd)pyrene	0.5	11	**10**	**17**	**3.7**	**4**	**0.091**
Naphthalene	12	1000	**2.9 J**	**130**	**240**	**390**	**1.6**
Phenanthrene	100	1000	**15**	**120**	**82**	**95**	**1.9**
Total PAHs	NE	NE	**140.4**	**828.5**	**603.09**	**881.08**	**9.286**
Other SVOCs (mg/kg)							
Dibenzofuran	7	1000	**1.5 J**	**21**	**3 J**	**3.4 J**	**0.047 J**
Total SVOCs	NE	NE	**141.9**	**859.4**	**619.09**	**901.38**	**9.533**
Total Metals (mg/kg)							
Cadmium	2.5	60	0.98 U	**6.2**	1.2 U	1.1 U	1 U
Copper	50	10000	**29.7**	**635 J**	**22.7 J**	**12.5 J**	**27.3 J**
Lead	63	3900	**87.7 J**	**77.2 J**	**6.8 J**	**1.6 J**	**2.2 J**
Mercury	0.18	5.7	**0.77 J**	**0.37**	0.021 U	0.018 U	0.017 U
Nickel	30	10000	**14.7**	**40.9 J**	**20 J**	**11.4 J**	**19.5 J**
Zinc	109	10000	**97.8**	**1150**	**37.1**	**10.1**	**14**

Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-127 (6.0-6.5) 6/24/2019	SB-127 (38.0-38.5) 6/24/2019	SB-127 (59.5-60.0) 6/24/2019	Duplicate of SB-127 (59.5-60.0) 6/24/2019
BTEX (mg/kg)						
Benzene	0.06	89	**5.6**	**0.043**	**0.00038 J**	0.00096 U
Toluene	0.7	1000	**3.7**	**0.02**	**0.0011**	0.00096 U
Ethylbenzene	1	780	**110**	**0.13**	**0.0011**	0.00096 U
o-Xylene	0.26	1000	**47**	**0.023**	**0.00067 J**	0.00096 U
m/p-Xylene	0.26	1000	**69**	**0.04**	**0.0014**	**0.00025 J**
Total BTEX	NE	NE	**238.3**	**0.256**	**0.00465**	**0.00025**
Other VOCs (mg/kg)						
Total VOCs	NE	NE	**266.1**	**0.29077**	**0.00503**	**0.00025**
PAHs (mg/kg)						
Acenaphthene	20	1000	**310**	**0.17 J**	0.37 U	**0.03 J**
Acenaphthylene	100	1000	**120**	**0.03 J**	**0.015 J**	**0.017 J**
Anthracene	100	1000	**230**	**0.084 J**	**0.039 J**	**0.05 J**
Benzo(a)anthracene	1	11	**230**	**0.07**	**0.047**	**0.056**
Benzo(b)fluoranthene	1	11	**190**	**0.059**	**0.039**	**0.048**
Benzo(k)fluoranthene	0.8	110	**66**	0.04 U	0.037 U	**0.015 J**
Benzo(a)pyrene	1	1.1	**200**	**0.057**	**0.036 J**	**0.044**
Chrysene	1	110	**220**	**0.06 J**	**0.046 J**	**0.051 J**
Dibenz(a,h)anthracene	0.33	1.1	**22**	0.04 U	0.037 U	0.037 U
Fluoranthene	100	1000	**410**	**0.15 J**	**0.086 J**	**0.11 J**
Fluorene	30	1000	**240**	**0.091 J**	**0.023 J**	**0.026 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**93**	**0.022 J**	0.022 U	0.037 U
Naphthalene	12	1000	**99**	**5.4**	**0.058 J**	**0.25 J**
Phenanthrene	100	1000	**860**	**0.38 J**	**0.12 J**	**0.14 J**
Pyrene	100	1000	**670**	**0.18 J**	**0.084 J**	**0.1 J**
Total PAHs	NE	NE	**5326**	**7.023**	**0.651**	**1.026**
Other SVOCs (mg/kg)						
Total SVOCs	NE	NE	**5398**	**7.15**	**0.662**	**1.054**
Total Metals (mg/kg)						
Arsenic	13	16	**165**	**3.8**	**1.9**	**1.3**
Copper	50	10000	**697 J**	**8.7 J**	**20.1**	**20.9 J**
Lead	63	3900	**423 J**	**7.5 J**	**6.6 J**	**4.4 J**
Mercury	0.18	5.7	**0.37**	0.02 U	0.017 U	0.017 U
Nickel	30	10000	**31.9 J**	**12.9**	**16.2**	**17.1 J**
Selenium	3.9	6800	**7.6 J**	5.9 U	5.6 U	4.7 U
Zinc	109	10000	**209**	**35.4**	**18.7**	**27.7**

Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-130 (5.0-5.5) 6/20/2019	SB-130 (9.5-10.0) 6/26/2019	SB-130 (16.5-17.0) 6/26/2019	SB-130 (56.5-57.0) 6/26/2019	SB-130 (89.0-89.5) 6/26/2019	SB-130 (94-94.5) 6/26/2019
BTEX (mg/kg)								
Benzene	0.06	89	0.0012 UJ	**5**	**3.1**	**0.0016 J**	0.00066 U	0.095 U
Toluene	0.7	1000	0.0012 UJ	**2.7**	0.13 U	**0.0019 J**	**0.0012**	**0.15**
Ethylbenzene	1	780	0.0012 UJ	**95**	**8.7**	**0.0082**	**0.00042 J**	**8.3**
o-Xylene	0.26	1000	0.0012 UJ	**7.4**	**2.6**	**0.0035**	**0.0023**	**17**
m/p-Xylene	0.26	1000	0.0012 UJ	**7.4**	**3.3**	**0.0039**	**0.003**	**47**
Total BTEX	NE	NE	ND	**120.5**	**17.7**	**0.0191**	**0.00692**	**72.45**
Other VOCs (mg/kg)								
Total VOCs	NE	NE	ND	**179.49**	**18.25**	**0.02107**	**0.00836**	**93.41**
PAHs (mg/kg)								
Acenaphthene	20	1000	0.4 U	**1100**	**1.5 J**	0.42 U	0.37 U	**3.9 J**
Anthracene	100	1000	**0.02 J**	**420**	**0.55 J**	0.42 U	0.37 U	**14 J**
Benzo(a)anthracene	1	11	**0.032 J**	**300**	0.24 U	0.042 U	0.037 U	**10**
Benzo(b)fluoranthene	1	11	**0.038 J**	**200**	**0.11 J**	0.042 U	0.037 U	**6.9**
Benzo(k)fluoranthene	0.8	110	**0.015 J**	**72**	**0.049 J**	0.042 U	0.037 U	**2**
Benzo(g,h,i)perylene	100	1000	**0.033 J**	**120 J**	**0.16 J**	0.42 U	0.37 U	**2.4 J**
Benzo(a)pyrene	1	1.1	**0.029 J**	**240**	**0.14 J**	0.042 U	0.037 U	**7.9**
Chrysene	1	110	**0.025 J**	**270**	**0.19 J**	**0.012 J**	0.37 U	**9.6 J**
Dibenz(a,h)anthracene	0.33	1.1	0.04 U	**19 J**	0.24 U	0.042 U	0.037 U	1.8 U
Fluoranthene	100	1000	**0.028 J**	**540**	**0.37 J**	**0.02 J**	0.37 U	**17 J**
Fluorene	30	1000	0.4 U	**440**	**0.64 J**	**0.015 J**	0.37 U	**22**
Indeno(1,2,3-cd)pyrene	0.5	11	**0.03 J**	**100**	**0.1 J**	0.042 U	0.037 U	**2.4**
Naphthalene	12	1000	0.4 U	**4000**	**27**	**0.098 J**	**0.039 J**	**260**
Phenanthrene	100	1000	**0.02 J**	**1600**	**1.9 J**	**0.058 J**	**0.018 J**	**56**
Pyrene	100	1000	**0.028 J**	**550**	**0.52 J**	**0.033 J**	0.37 U	**27**
Total PAHs	NE	NE	**0.35**	**11898.00**	**37.179**	**0.282**	**0.07**	**558**
Other SVOCs (mg/kg)								
Dibenzofuran	7	1000	0.4 U	**17 J**	**0.28 J**	0.42 U	0.37 U	**1.6 J**
Total SVOCs	NE	NE	**0.347**	**12105**	**37.899**	**0.282**	**0.07**	**571.6**
Total Metals (mg/kg)								
Arsenic	13	16	**102**	5	**9.7**	**3.7**	**0.92**	**0.85**
Copper	50	10000	**65.9**	**41.7 J**	**13 J**	**9.8 J**	**17.4 J**	**12.6 J**
Lead	63	3900	**78.3 J**	**81 J**	**12.1 J**	**8.3 J**	**2.2 J**	**2.2 J**
Mercury	0.18	5.7	**0.3 J**	**0.36**	**0.068**	**0.014 J**	0.019 U	0.017 U
Selenium	3.9	6800	**0.73 J**	**4.5 J**	5.7 U	4.7 U	4.3 U	4.3 U
Zinc	109	10000	**686**	**104**	**66.1**	**44.9**	**62.8**	**10.5**

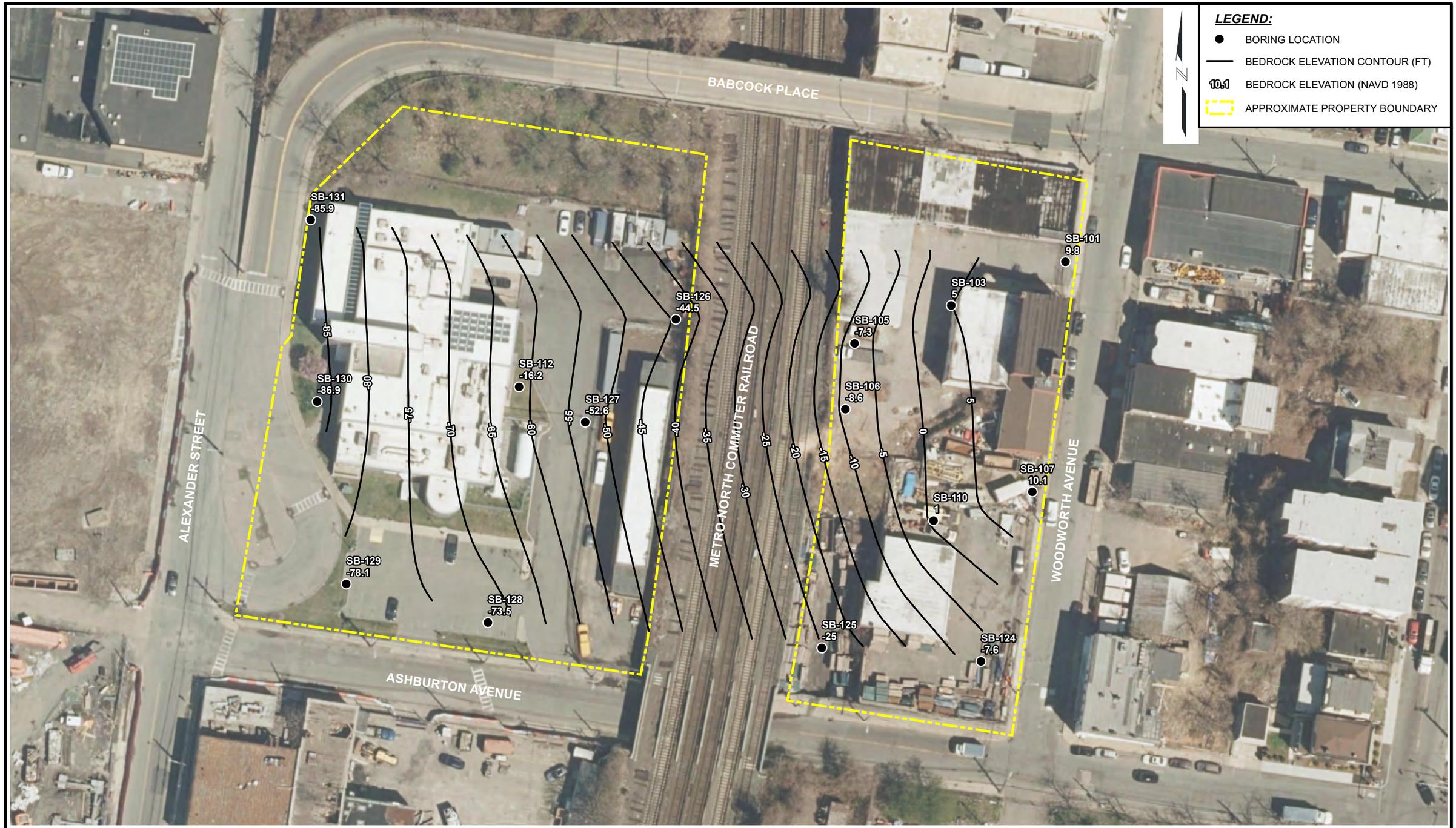
Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-118 (3.5-4.0) 4/19/2019	Duplicate of SB-118 (3.5-4.0) 4/19/2019	SB-118 (9.0-9.5) 4/15/2019	SB-118 (9.0-9.5) 4/23/2019	SB-118 (19.5-20.0) 4/23/2019
BTEX (mg/kg)							
Benzene	0.06	89	0.0015 UJ	**0.0015 J**	**1**	**1100**	**0.038 J**
Toluene	0.7	1000	0.0015 UJ	0.0016 U	**0.09 J**	**49**	**0.0083 J**
Ethylbenzene	1	780	**0.00094 J**	**0.0011 J**	**0.48**	**2700**	**0.18 J**
o-Xylene	0.26	1000	**0.00031 J**	**0.00055 J**	**0.066 J**	**590**	**0.82 J**
m/p-Xylene	0.26	1000	**0.00075 J**	**0.0011 J**	**0.1**	**1300**	**0.6 J**
Total BTEX	NE	NE	**0.002**	**0.00425**	**1.736**	**5739**	**1.6463**
Other VOCs (mg/kg)							
Acetone	0.05	1000	**0.018 J**	**0.044 J**	0.46 U	44 U	**0.26 J**
Total VOCs	NE	NE	**0.02164**	**0.05195**	**1.968**	**5922.7**	**2.0638**
PAHs (mg/kg)							
Acenaphthene	20	1000	**3.3 J**	**5 J**	**19**	**880**	**12 J**
Acenaphthylene	100	1000	**24 J**	**44 J**	**6.7**	**210**	**2.4 J**
Anthracene	100	1000	**10 J**	**28 J**	**34**	**500**	**5.6 J**
Benzo(a)anthracene	1	11	**43 J**	**100 J**	**16**	**260**	**4.1 J**
Benzo(b)fluoranthene	1	11	**51 J**	**120 J**	**16**	**240**	**3.9 J**
Benzo(k)fluoranthene	0.8	110	**14 J**	**35 J**	**5.8**	**67**	**1.3 J**
Benzo(g,h,i)perylene	100	1000	**18 J**	**37 J**	**12**	**190 J**	**1.7 J**
Benzo(a)pyrene	1	1.1	**39 J**	**89 J**	**12**	**240**	**3.8 J**
Chrysene	1	110	**46 J**	**110 J**	**13**	**260**	**3.7 J**
Dibenz(a,h)anthracene	0.33	1.1	**4.3 J**	**9.1 J**	**2.3 J**	**31**	**0.33 J**
Fluoranthene	100	1000	**70 J**	**140 J**	**41**	**710**	**9.3 J**
Fluorene	30	1000	**7.2**	**11**	**33**	**500**	**6.4 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**20 J**	**39 J**	**11**	**180**	**1.6 J**
Naphthalene	12	1000	**4.2**	**1.8 J**	**55**	**4500**	**64 J**
Phenanthrene	100	1000	**23**	**32**	**68**	**1900**	**23 J**
Pyrene	100	1000	**120 J**	**260 J**	**35**	**970**	**12 J**
Total PAHs	NE	NE	**502.7**	**1061.5**	**391.8**	**12738**	**177.13**
Other SVOCs (mg/kg)							
Dibenzofuran	7	1000	**0.53 J**	**0.94 J**	**16**	**18 J**	**0.76 J**
Total SVOCs	NE	NE	**505.72**	**1063.82**	**466.7**	**13132.6**	**182.54**
Total Metals (mg/kg)							
Arsenic	13	16	**75.1 J**	**151 J**	**1.6**	**6.5**	**2.2 J**
Barium	350	10000	**377 J**	**275 J**	**81.7 J**	**42.6 J**	**40.5 J**
Copper	50	10000	**104**	**119**	**16**	**22.5**	**13.8 J**
Lead	63	3900	**327**	**282**	**11.5**	**126**	**19.4 J**
Mercury	0.18	5.7	**0.37 J**	**0.69 J**	**0.049 J**	**0.13 J**	0.078 UJ
Selenium	3.9	6800	**3.5 J**	**4.3 J**	4.2 U	**2.1 J**	**1.3 J**
Zinc	109	10000	**258 J**	**235 J**	**36.2 J**	**66.5 J**	**22.1 J**
Cyanides (mg/kg)							
Total Cyanide	27	10000	**1.9 J**	**0.84 J**	**6.7 J**	**16.9 J**	**44 J**

Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-119 (17.0-17.5) 4/15/2019	SB-119 (23.5-24.0) 4/15/2019
BTEX (mg/kg)				
Benzene	0.06	89	**6.3**	**0.9**
Toluene	0.7	1000	**0.93**	**0.24**
Ethylbenzene	1	780	**46**	**4.9**
o-Xylene	0.26	1000	**24**	**3.5**
m/p-Xylene	0.26	1000	**56**	**7.3**
Total BTEX	NE	NE	**133.23**	**16.84**
Other VOCs (mg/kg)				
Total VOCs	NE	NE	**139.47**	**17.652**
PAHs (mg/kg)				
Acenaphthene	20	1000	**21**	**5.3**
Acenaphthylene	100	1000	**8.1**	**2.5**
Anthracene	100	1000	**7.4**	**2.5**
Benzo(a)anthracene	1	11	**2.9**	**0.82**
Benzo(a)pyrene	1	1.1	**6.9**	**2.1**
Chrysene	1	110	**7.3 J**	**2.2**
Dibenz(a,h)anthracene	0.33	1.1	**1.7 J**	**0.18 J**
Indeno(1,2,3-cd)pyrene	0.5	11	**9.4**	**1.1**
Naphthalene	12	1000	**170**	**38**
Total PAHs	NE	NE	**417.5**	**99.7**
Other SVOCs (mg/kg)				
Total SVOCs	NE	NE	**433.3**	**104.7**

Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-120 (4.0-4.5) 4/5/2019	SB-120 (5.0-5.5) 4/5/2019	SB-120 (17.0-17.5) 4/22/2019	SB-120 (24.5-25.0) 4/22/2019	SB-120 (53.0-53.5) 4/22/2019
BTEX (mg/kg)							
Total BTEX	NE	NE	ND	**0.052**	**0.00212**	ND	ND
Other VOCs (mg/kg)							
Total VOCs	NE	NE	**0.00064**	**0.263**	**0.06342**	**0.01878**	ND
PAHs (mg/kg)							
Benzo(a)anthracene	1	11	**0.3**	**7.6**	**0.21**	**1**	0.043 U
Benzo(b)fluoranthene	1	11	**9.4**	**8.2**	**0.21**	**0.71**	0.043 U
Benzo(k)fluoranthene	0.8	110	**3.1**	**2.7**	**0.071**	**0.31**	0.043 U
Benzo(a)pyrene	1	1.1	**7**	**7.6**	**0.18**	**0.66**	0.043 U
Chrysene	1	110	**8**	**7.7**	**0.19 J**	**0.99**	0.43 U
Dibenz(a,h)anthracene	0.33	1.1	**1.3**	**1**	**0.028 J**	**0.096**	0.043 U
Indeno(1,2,3-cd)pyrene	0.5	11	**5.7 J**	**6 J**	**0.093**	**0.34**	0.043 U
Total PAHs	NE	NE	**86.33**	**87.33**	**2.556**	**12.761**	**0.061**
Other SVOCs (mg/kg)							
Total SVOCs	NE	NE	**87.824**	**87.998**	**2.596**	**12.761**	**0.061**
Total Metals (mg/kg)							
Copper	50	10000	**96.3 J**	**76.4 J**	**9.9**	**7.2**	**12.2**
Lead	63	3900	**107 J**	**200 J**	**8**	**3**	**5.5**
Mercury	0.18	5.7	**0.48 J**	**0.031 J**	0.022 UJ	0.021 UJ	0.021 UJ

Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-129 (5.0-5.5) 6/20/2019	SB-129 (16.0-16.5) 6/25/2019	SB-129 (83.0-83.5) 6/25/2019
BTEX (mg/kg)					
Benzene	0.06	89	0.0011 UJ	**0.079 J**	0.0011 U
Toluene	0.7	1000	0.0011 UJ	0.013 U	0.0011 U
Ethylbenzene	1.0	780	0.0011 UJ	**0.8**	0.0011 U
o-Xylene	0.26	1000	0.0011 UJ	**1.8**	0.0011 U
m/p-Xylene	0.26	1000	0.0011 UJ	**2.1**	0.0011 U
Total BTEX	NE	NE	ND	**9.779**	ND
Other VOCs (mg/kg)					
Total VOCs	NE	NE	ND	**17.909**	ND
PAHs (mg/kg)					
Acenaphthene	20	1000	**0.042 J**	**60**	0.36 U
Benzo(a)anthracene	1	11	**2.2**	**16**	0.036 U
Benzo(b)fluoranthene	1	11	**2.5**	**10**	0.036 U
Benzo(k)fluoranthene	0.8	110	**0.8**	**3.9**	0.036 U
Benzo(a)pyrene	1	1.1	**2**	**12**	0.036 U
Chrysene	1	110	**2.3**	**15 J**	0.36 U
Dibenz(a,h)anthracene	0.33	1.1	**0.46**	**1.1 J**	0.036 U
Indeno(1,2,3-cd)pyrene	0.5	11	**1.6**	**5.1**	0.036 U
Naphthalene	12	1000	**0.57**	**210**	0.36 U
Total PAHs	NE	NE	**23.142**	**718.8**	ND
Other SVOCs (mg/kg)					
Total SVOCs	NE	NE	**23.339**	**741.08**	ND
Total Metals (mg/kg)					
Copper	50	10000	**211**	**11.1 J**	**15.9 J**
Mercury	0.18	5.7	**0.27 J**	**0.046**	0.017 U

Sample Name: Sample Depth (feet): Sample Date:	Unrestricted SCO	Industrial SCO	SB-115 (2.5-3.0) 4/9/2019
BTEX (mg/kg)			



SOURCE:
2016 ESRI WORLD IMAGERY

0 60 120
SCALE, FEET

Site Characterization Report
Woodworth Avenue Works Former MGP Site
City of Yonkers, New York

Consolidated Edison Company of New York
New York, New York

GEI Consultants

BEDROCK ELEVATION CONTOUR MAP

Project 1900674 | April 2020 | Fig. 9

J:\Projects\Con Ed\Woodworth Ave Yonkers\BedrockElevContours.mxd

Appendix A

SC Correspondence

Consolidated Edison Company
of New York, Inc.
31-01 20th Avenue
Long Island City NY 11105-2048
www.conEd.com

February 11, 2009

Ms. Jamie Folsom
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Action Bureau C
625 Broadway – 11th Floor
Albany, New York 12233-7014

Re: Former Woodworth Avenue Works MGP Site (Site #V00564)
Site Characterization Study Work Plan
SC Work Plan Addendum

Dear Ms. Folsom:

This letter presents an addendum to the Site Characterization Work Plan (the Work Plan) prepared by ARCADIS (January 2009) for the above-referenced site. The addendum consists of clarifications that are based on comments presented in a February 3, 2009 email from the New York State Department of Environmental Conservation (NYSDEC) to Consolidated Edison Company of New York, Inc., (Con Edison). For ease of presentation, each NYSDEC comment on the work plan is repeated below followed by Con Edison's clarification in response to the comment.

Comment 1: The consultant should justify why they will sample the 6-8 foot depth for soil vapor samples. If there's a rational justification, such as this is the depth that the foundations are on this block then this is fine; but DOH guidance recommends the sample probes be around 5 feet.

Response 1: The sample depth of 6-8 feet proposed in the Work Plan was based on Con Edison's Utility Clearance Process for Intrusive Activities guidance. The Con Edison utility clearance process requires that all boring locations be excavated to a depth of 5 feet using non-mechanical methods, such as hand augers and/or a vacuum truck. The 5-foot depth is consistent with the concept that most utilities are typically installed within the top five feet of the subsurface.

Based on the above comment, Con Edison will modify the soil vapor sampling approach by excavating each boring location to a depth of 5 feet using non-mechanical methods. Once the utility clearance depth is achieved, the boring location will be backfilled with the same material excavated from the location. The surface will be restored to provide a surface seal using cold patch or concrete (to match surrounding grade where applicable). The boring location will be undisturbed for 24 hours to allow the surrounding formation to equilibrate.

Consolidated Edison Company
of New York, Inc.
31-01 20th Avenue
Long Island City NY 11105-2048
www.conEd.com

Following the 24-hour equilibration period, a soil vapor sampling point will be advanced to a depth of approximately 5 feet below ground surface (bgs). The soil vapor point will be will be constructed as described in the SC Work Plan by advancing an expandable point connected to an expandable point holder and steel drive rods to the target subsurface depth using a direct-push sampling rig (i.e., Power Probe, or similar). The steel drive rods will then be retracted to create a void space in the subsurface and facilitate collection of the soil vapor samples. Following installation of each soil vapor monitoring point the annular space will be backfilled with clean silica sand. A surface seal will be installed to prevent short-circuiting to the ground surface using hydrated bentonite, melted beeswax or other non-VOC-containing non shrinking product, as agreed upon prior to installation.

Comment 2: A testing procedure should be in place to field test the surface seal of the soil vapor monitoring probes. This should be performed on any outdoor soil vapor probe, whether it's through asphalt, concrete, landscaping, etc. It's not as important in building foundations, if the foundation appears to be intact and competent. A common method is to enrich the air above the surface seal with helium and then hook up a helium detector up to the sample tubing. There is more detail in the DOH Soil Vapor Guidance Document.

Response 2: As outlined in the SC Work Plan and the Field Sampling Plan included as Attachment A to the document, a helium tracer gas will be used as a quality assurance/quality control (QA/QC) tool to verify the integrity of the soil vapor probe seal and to confirm that infiltration of outdoor air is not occurring. An inverted plastic bucket will be used as an enclosure to keep the tracer gas in contact with the probe during integrity testing, as described in the NYSDOH's final guidance document (October 2006). A portable helium monitoring device will be used to analyze a sample of soil vapor prior to and after sample collection.

Comment 3: Please reiterate the reasoning for the lack of soil vapor sampling in the eastern portion of the site. The text found in the first paragraph of "response 5". Of the Con Ed's July 31, 2008 letter would be adequate since it explains why the soil vapor sampling is not included initially and that the sampling will occur if MGP-related impacts are found on this parcel.

Response 3: To date, no investigation activities have been conducted on the portion of the site located to the east of the Metro North Railroad and it is not known whether any MGP-related impacts are present. Con Edison does not propose to conduct soil vapor sampling on this portion of the site as part of the initial Site Characterization sampling effort. If the initial Site Characterization data for the eastern portion of the site indicates the presence of MGP-related impacts, Con Edison will conduct soil vapor sampling as part of supplemental field efforts.

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Long Island City NY 11105-2048
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Con Edison trusts that the responses presented above will be acceptable to the NYSDEC. Following receipt of NYSDEC's concurrence with these responses, Con Edison will attach this letter to the final Work Plan as an addendum. Please do not hesitate to contact me at (718) 204-4347 if you have any questions or require additional information.

Very truly yours,

Charles Leary /jic

Charles Leary
Project Manager
Environmental Health & Safety

cc: Mike Ryan, NYSDEC
Larry Eckhaus, NYSDEC
Carl Obermeyer, NYSDOH
Michael C. Jones, ARCADIS

Consolidated Edison Company of
New York, Inc.
31-01 20th Avenue
Long Island City NY 11105-2048
www.conEd.com

June 20, 2019

Mr. Justin Starr
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7014

Re: Consolidated Edison Company of New York, Inc.
Former Woodworth Avenue Works
Yonkers, New York
Response to Comments
Supplemental Soil Vapor Sampling Work Plan

Dear Mr. Starr:

Consolidated Edison submitted the Supplemental Soil Vapor Sampling Work Plan for the Former Woodworth Avenue Works (the Site) in Yonkers, New York to the New York State Department of Environmental Conservation (NYSDEC) on June 11, 2019. NYSDEC provided comments in a letter dated June 18, 2019. This letter presents Consolidated Edison's responses to NYSDEC's comments.

1. *Please include the following addition to the introductory sentence in section 1.1: "…proposed to evaluate soil vapor concentrations on the eastern parcels of the site in accordance with the 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York".*

   The results of the soil vapor sampling outlined in the June 2019 Soil Vapor Work Plan will be evaluated in accordance with the 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

2. *Please state that the 5-foot below ground surface sampling interval is consistent with the Department-approved Site Characterization Work Plan addendum dated February 11, 2019.*

   The temporary soil vapor monitoring points will be installed to approximately 5 feet bgs which is consistent with the NYSDEC-approved *Site Characterization Addendum* dated February 11, 2019.

3. *Please note that sample locations should be approximately 10 feet away from buildings to avoid HVAC, exhaust/venting, or other building systems that may draw in outdoor air into the vadose zone (see NYSDOH SVI guidance, Section 2.6.1). It is understood that if there is no HVAC system that may cause interference or dilution of the soil vapor sample, or if field conditions prevent taking a sample 10 feet away from a building, the 10-foot specification may be disregarded. The specific conditions of all 6 soil vapor sample locations should be clearly detailed in the Site Characterization Report.*

   Sample locations will be at least 10 feet away from buildings to avoid HVAC, exhaust/venting, or other building systems that may draw in outdoor air into the vadose zone.

4. *Please include the tetramethylbenzene isomers in the laboratory analysis. Those isomers are a recommended MGP-specific analyte as per the NYSDOH SVI guidance (see Section 2.9.1).*

   Soil vapor samples will be analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (EPA) Method TO-15 including naphthalene, 2-methylpentane, isopentane, 2,3-dimethylpentane, isooctane, indene, indane, thiopene, and tetramethylbenzene isomers.

If you have any questions or require additional information, please feel free to contact me at (718) 204-4331 or by e-mail at reindl@coned.com.

Sincerely,



Melissa Reindl, P.G.
Project Manager
EH&S, Remediation
Con Edison

cc: K. Kaiser, Con Edison

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 11th Floor, Albany, NY 12233-7014
P: (518) 402-9662 I F: (518) 402-9679
www.dec.ny.gov

May 22, 2019

Melissa Reindl, P.G.
Project Manager
EH&S, Remediation
Consolidated Edison Company of New York, Inc.
31-01 20th Avenue
Long Island City NY 11105-2048

Re: Supplemental Site Characterization Work Plan
NYSDEC Site No. 360164
CE - Woodworth Ave. MGP Yonkers

Dear Ms. Reindl,

The New York State Department of Environmental Conservation (the Department) and the New York State Department of Health (NYSDOH) have reviewed the Supplemental Site Characterization Work Plan dated May 15, 2019. The work plan is hereby approved with the following notations:

- It is the Departments understanding that in accordance with "Response 5" from the Consolidated Edison Company of New York, Inc. response to Department comments on the Site Characterization Work Plan dated July 31, 2008, and MGP impacts having now been recognized on the on-site parcels to the east of the Metro-North Railroad, that additional investigations involving soil vapor on those parcels will be covered under a separate supplemental soil gas investigation work plan.

- Please ensure that Community Air Monitoring Program (CAMP) data is provided to the Department and NYSDOH on a weekly basis while investigative activities are on-going, and, in accordance with the CAMP, that air/odor emission mitigation measures are quickly implemented as field conditions warrant.

Please provide at least 1-week advance notification of the implementation of field activities pursuant to the work plan. Please call me at 518-402-9662 if you have any questions.

Sincerely,



Justin C. Starr, P.G.
Assistant Geologist, Remedial Bureau C
Division of Environmental Remediation

ec.: J. Brown
A. Omorogbe
J. Starr
D. Bendell – NYSDEC Region 3
A. Martin, NYSDOH - Angela.Martin@health.ny.gov
M. Reindl, Con Edison - REINDLM@coned.com
K. Kaiser, Con Edison - KAISERK@coned.com
D2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 11th Floor, Albany, NY 12233-7014
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June 18, 2019

Melissa Reindl, P.G.
Project Manager
EH&S, Remediation
Consolidated Edison Company of New York, Inc.
31-01 20th Avenue
Long Island City NY 11105-2048

Re: Supplemental Soil Vapor Sampling Work Plan
NYSDEC Site No. 360164
CE - Woodworth Ave. MGP Yonkers

Dear Ms. Reindl,

The New York State Department of Environmental Conservation (the Department) and the New York State Department of Health (NYSDOH) have reviewed the Supplemental Soil Vapor Sampling Work Plan dated June 11, 2019. The work plan is hereby approved with the following modifications:

(1) Please include the following addition to the introductory sentence in section 1.1: "…proposed to evaluate soil vapor concentrations on the eastern parcels of the site in accordance with the 2006 *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*".

(2) Please state that the 5-foot below ground surface sampling interval is consistent with the Department-approved Site Characterization Work Plan addendum dated February 11, 2019.

(3) Please note that sample locations should be approximately 10 feet away from buildings to avoid HVAC, exhaust/venting, or other building systems that may draw in outdoor air into the vadose zone (see NYSDOH SVI guidance, Section 2.6.1). It is understood that if there is no HVAC system that may cause interference or dilution of the soil vapor sample, or if field conditions prevent taking a sample 10 feet away from a building, the 10-foot specification may be disregarded. The specific conditions of all 6 soil vapor sample locations should be clearly detailed in the Site Characterization Report.

(4) Please include the tetramethylbenzene isomers in the laboratory analysis. Those isomers are a recommended MGP-specific analyte as per the NYSDOH SVI guidance (see Section 2.9.1).

In accordance with the Order on Consent and 6NYCRR 375-1.6(d), please indicate within 15 days whether you accept the Department's modified work plan.

Please call me at 518-402-9662 if you have any questions.

Sincerely,



Justin C. Starr, P.G.
Assistant Geologist, Remedial Bureau C
Division of Environmental Remediation

ec.: J. Brown
A. Omorogbe
J. Starr
D. Bendell – NYSDEC Region 3
A. Martin, NYSDOH - Angela.Martin@health.ny.gov
M. Reindl, Con Edison - REINDLM@coned.com
K. Kaiser, Con Edison - KAISERK@coned.com
D2

Appendix B

Historical Documentation

Woodworth Avenue Former MGP Site Maps

Figure 1: 1867 Beers Atlas
Accessed from: https://westchesterarchives.com/CW/images/WCHS/Atlas_1867 NY_and_Vicinity_p6_resize.jpg

Access date: 11/13/2019

Figure 2: 1886 Sanborn Map
Accessed from: https://www.loc.gov/resource/g3804ym.g3804ym_g063631886/?sp=13&r=-0.541,-0.22,2.082,1.323,0

Access date: 11/13/2019

Figure 3: 1898 Sanborn Map
Accessed from: https://www.loc.gov/resource/g3804ym.g3804ym_g063631898/?sp=18
Access date: 11/13/2019

Figure 4: 1970, Reprinted 1995 Bedrock Geology Map
Accessed from: http://www.nysm.nysed.gov/common/nysm/files/lower_hudson_bedrock_sheet.jpg
Access date: 3/5/2020

FIGURE 1


SMITH ST.
COTTAGE PLACE
WOOD PLACE
IRVING PLACE
ASHBURTON PLACE
BABCOCK PL.
QUINCY PL.
NORTH AVE.
BROADWAY
LOCUST ST.
Jno. Garcia
Yonkers Gas Co.
Wm. Bates
J. Perriman
B. Starr
J.W. Kniffen
Wm. Beatles
Mrs. Maney
D.J.H. Paley
Dr. Tarry
J.W. Oliver
B. Smith
Jas. Burns
H.B.
Wm. H.
A. Putnam
Union Free Schl. Dist. No 8
Bapt. Parsonage
E. Knapp
Mrs. Donald
S. Pauls Ch.
Market Store
Wm. Shannon
M.S. Johnson
J.A. Waring
C. Olmstead
Crasser
J.P.
Mrs. Torry
Tompkins
Lawson
Miss M.C. Bell
Dr. Upton
1st Cong. Ch.
Mrs. Hanford
J. Olmstead
N. Starr
Young Men's Institute
Unitar. Ch.
Chester
Dr. Jenkins
Burwell
J. Blanche
Pompkins
W.S.
W.S.T.
W.H. Post
D. Gail
D. Stewart
J. Hobbs
Mrs. Flagg
G.B. Norton
M.E. Ch.
Parsonage
J. Miller
Mrs. Wm. Paddock
R. Wynkop
C.H. Odell
Jas. Bell
Green Ho.
S. Rockwell
Mrs. Cahill
J. Hoomes
D. Cady

FIGURE 2

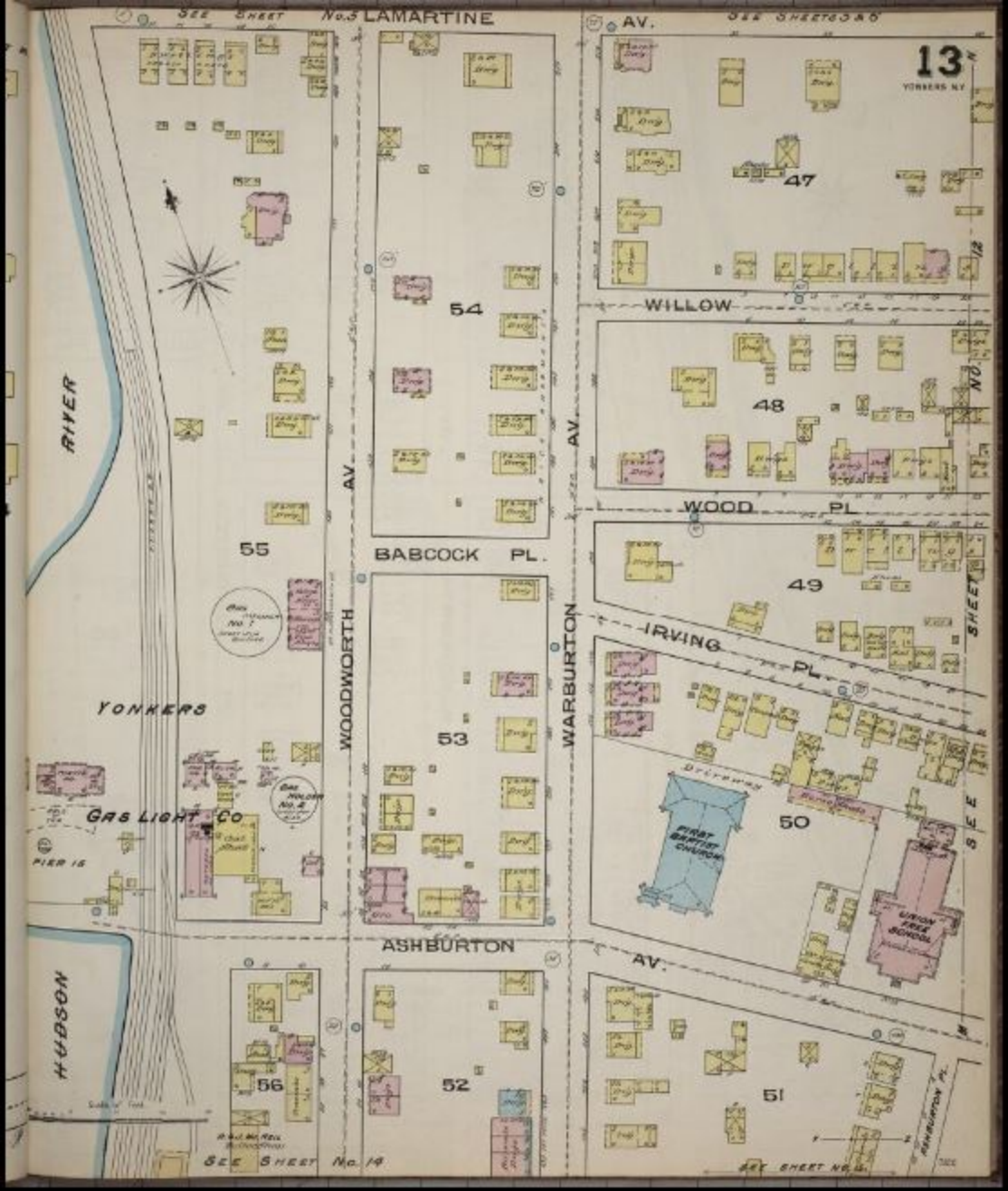

13
YONKERS N.Y.
See Sheet No.3 LAMARTINE
AV.
See Sheets 5 & 6
47
WILLOW
54
48
WOOD PL.
BABCOCK PL.
55
49
IRVING PL.
WOODWORTH AV.
WARBURTON AV.
RIVER
YONKERS
53
50
GAS LIGHT CO
FIRST BAPTIST CHURCH
UNION FREE SCHOOL
PIER 15
ASHBURTON AV.
HUDSON
56
52
51
See Sheet No. 14
See Sheet No. 12

FIGURE 3

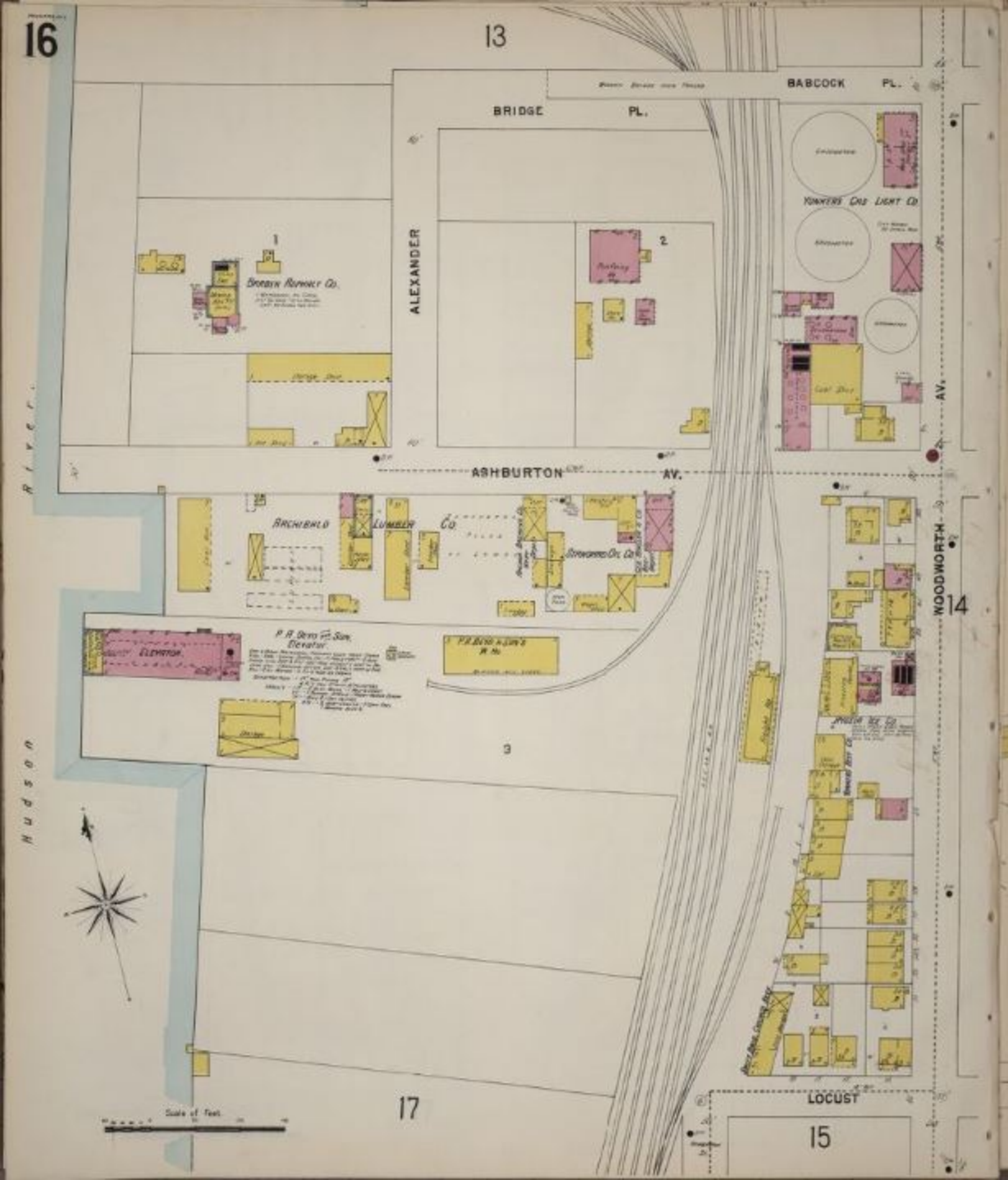
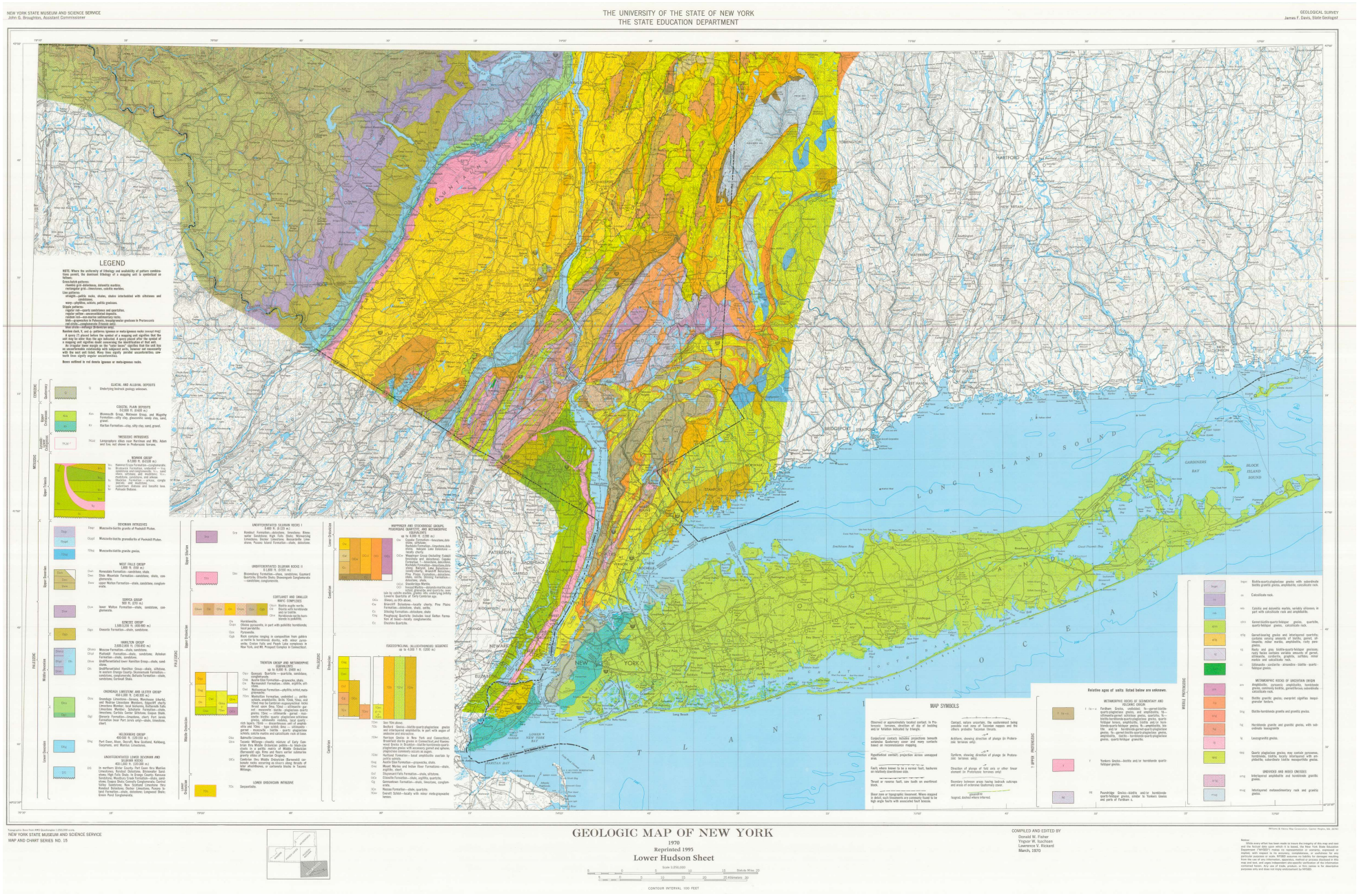

16
13
BABCOCK PL.
BRIDGE PL.
ALEXANDER
YONKERS GAS LIGHT CO.
1
2
ASHBURTON AV.
ARCHIBALD LUMBER CO.
WOODWORTH AV.
14
ELEVATOR
3
17
15
LOCUST
RIVER
Hudson
Scale of Feet.

Figure 4


NEW YORK STATE MUSEUM AND SCIENCE SERVICE
John G. Broughton, Assistant Commissioner
THE UNIVERSITY OF THE STATE OF NEW YORK
THE STATE EDUCATION DEPARTMENT
GEOLOGICAL SURVEY
James F. Davis, State Geologist
LEGEND
GEOLOGIC MAP OF NEW YORK
1970
Reprinted 1995
Lower Hudson Sheet
Scale 1:250,000
CONTOUR INTERVAL 100 FEET
NEW YORK STATE MUSEUM AND SCIENCE SERVICE
MAP AND CHART SERIES NO. 15
COMPILED AND EDITED BY
Donald W. Fisher
Yngvar W. Isachsen
Lawrence V. Rickard
March, 1970

Historical Investigation Report - Former Yonkers - Woodworth Avenue MGP Site (Site #V00564)

Yonkers, New York

Prepared by:

The RETEC Group, Inc.
1001 W. Seneca St., Suite 204
Ithaca, NY 14850-3342

RETEC Project Number: CECN1-15957-400

Prepared for:

Consolidated Edison Company of New York, Inc.
4 Irving Place
New York, NY 10003

January 16, 2003

Historical Investigation Report - Former Yonkers - Woodworth Avenue MGP Site (Site #V00564)

Yonkers, New York

Prepared by:

The RETEC Group, Inc.
1001 W. Seneca St., Suite 2044
Ithaca, NY 14850-3342

RETEC Project Number: CECN1-15957-400

Prepared for:

Consolidated Edison Company of New York, Inc.
4 Irving Place
New York, NY 10003

Prepared by:

_____
Sherry Adams, Staff Geologist

Reviewed by:

_____
Bruce Coulombe, P.G., Project Manager

January 16, 2003

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Executive Summary

The RETEC Group, Inc. (RETEC) has prepared this historical investigation report for Consolidated Edison of New York, Inc. (Con Edison). This report is part of a comprehensive program to research and assess the history of sites formerly used by Con Edison and its predecessor companies for the manufacture and/or distribution of gas, and documents the historic and current conditions of the sites.

The purpose of this historical investigation program is to support Con Edison in its negotiations with the New York State Department of Environmental Conservation (NYSDEC), to support Con Edison's efforts to rank manufactured gas plant (MGP) site investigation priorities, and to provide a starting point for future site investigations. This report presents the summary of the research and findings for the former Yonkers - Woodworth Avenue Works former MGP site between Ashburton Avenue and Babcock Place on Woodworth Avenue in the City of Yonkers, Westchester County, New York (Site #V00564).

As part of its historical investigation, RETEC reviewed a number of sources to assess the historical ownership and operations of the MGP, subsequent site uses, and current site conditions. These sources included historical records obtained from private and public repositories, a chain-of-title search, tax and zoning records, and geologic reports for the general area.

In addition, RETEC visited the former MGP site on April 30, 2002 to do the following:

- assess current site environmental conditions and property use;
- perform a visual inspection for the presence of potential MGP site residuals on the site and surrounding properties; and
- identify potential receptors that may be at risk if MGP residuals or other by-products are present.

From our records review and site reconnaissance, RETEC was able to determine the following about the former Yonkers – Woodworth Avenue Works MGP site:

- The site included property, which extended to Woodworth Avenue to the east, to Babcock Place to the north, Ashburton Avenue to the south and to Alexander Street to the west with the New York Central Railroad tracks going from south to north through the site.
- The site is currently located in a mixed industrial/commercial area with some residential areas to the north. The site use is zoned

industrial. Commercial and industrial businesses are surrounding the site property.

- The current site surface is almost entirely covered by buildings and asphalt on the eastern side of the tracks and approximately 10 percent covered by a building on the western side of the tracks and covered by asphalt on the rest of the property. There were no visual indications of MGP residuals on the surface of the property.

- The Hudson River is the nearest surface water body to the Yonkers - Woodworth Avenue Works former MGP site. The river is located approximately 200 feet west of the site.

- PSC Reports indicate that the Yonkers Gas Light Company was incorporated in 1854. The Yonkers Gas Company owned property on the eastern portion of the site in 1854 [Chain-of-Title Search] and operated on this portion of the former MGP site as early as 1868 [Beers, 1868]. According to Sanborn Maps, the Yonkers Gas Light Company continued to operate on the site and expanded the property through at least 1898. In 1900, the Yonkers Gas Light Company merged into the Westchester Lighting Company, who continued to operate the site as a gas plant until 1928 and used the site subsequent to gas plant operations into the 1940s [Sanborn Map, 1942]. The PSC Reports indicate that the Yonkers plant was dismantled in 1930 and demolished in 1931. After 1942, the property was used for commercial/industrial purposes.

- The MGP site likely produced coal gas or carbureted water gas. Residuals associated with these processes include tar (containing volatile compounds, PAHs, and phenolics), purifier residuals, ammonia residuals, clinker, and gas oil. Subsurface structures containing residuals may remain at the site; however, there is no available information regarding decommissioning of the site or disposition of residuals from MGP operations.

- Other site uses on the eastern portion of the property after the MGP operations ceased include a paint shop located with the machine shop in the former MGP building, additional paint shop buildings in the northeast portion of the site, and an auto repair shop and filling station in the southeast corner of the site. The paint shop (former MGP building) is currently the location for Steven's Paints; the storage building to the north is currently the location of Pollack Paints; and the former auto repair shop appears to be the location of A&D Carting (demolition container service).

- Other site uses on the western portion of the property after MGP operations ceased include a building on the southwest corner of the property that was used for motor oil storage from the 1950s into the 1970s, a Metro-North substation running parallel and adjacent to the west side of the railroad tracks, and a parking area. In addition, the northernmost section [Block 2618, Lot 200] was taken by the New York State Department of Transportation (NYSDOT) for a bridge right-of-way and the westernmost section [Block 2618, Lot 2] was taken and developed into a paved bus turn-out/turn around area for Alexander Street. Currently, the remainder of the western portion of the site includes the Metro-North substation and a former paved parking area that is under construction for use by Greyston Bakery.

- Residuals in groundwater and in the subsurface soil were confirmed on the western portion of the site as part of a Phase I/Phase II Investigation conducted for the Greyston Foundation [Ecosystems Strategies, Inc., 1999]. Given the past uses of the site, there may be residuals remaining on other portions of the site on the surface, in subsurface structures, in subsurface soil, or in ground water.

- Potential receptors to residuals remaining on the site include primarily site visitors and excavation workers. Direct contact with residuals in surface soil may occur, however, visitors/workers are not expected to be in contact with subsurface soils given the nature of the site. Excavation workers may be exposed to residuals in subsurface soil, should excavation be necessary.

- In addition, ground water containing residuals has the potential to migrate to offsite downgradient properties. However, ground water is not used on the site, and none of the12 wells located within a one-mile radius of the site are downgradient.

1 Objective

The RETEC Group, Inc. (RETEC) has prepared this historical investigation report for Consolidated Edison of New York, Inc. (Con Edison). This report is part of a comprehensive program to research and assess the history of sites formerly used by Con Edison and its predecessor companies for the manufacture and/or distribution of gas, and to report on the historic and current conditions of the sites. These sites are located in New York City and Westchester County. The purpose of this historical investigation program is to support Con Edison in its negotiations with the New York State Department of Environmental Conservation (NYSDEC), to support Con Edison's efforts to rank manufactured gas plant (MGP) site investigation priorities, and to provide a starting point for future site investigations. This report presents the summary of the research and findings for the former MGP site located on Woodworth Avenue in the City of Yonkers, New York (Site #V00564).

The report consists of eleven sections and seven appendices:

- Section 1 provides an introduction to report objective, the investigative methodologies and processes, and a summary of limiting conditions of this report.

- Section 2 presents a property description.

- Section 3 provides a summary of the current site use and site reconnaissance.

- Section 4 presents the site setting, including site geology, topography, zoning, demography, and neighboring property description.

- Section 5 presents a summary of the past site ownership according to the chain-of-title and tax records, and supplemented by historical records as appropriate.

- Section 6 presents a summary of past site operations, including potential residuals associated with site use and any significant reconstruction or excavation activities that took place on the site.

- Section 7 provides a summary of the environmental and regulatory agency database searches for the site and surrounding areas.

- Section 8 discusses potential exposure pathways based on past site operations and human and environmental receptors to residuals from the site.

- Section 9 provides a discussion of the accuracy and completeness of the research conducted and offers conclusions to this historical component of investigative activities at the site.

- Section 10 summarizes the findings of the historical investigation and presents the information in a manner that can be used for further assessment of the site.

- Section 11 presents a list of references used in this report.

- Appendices A through G provide the documentation that was gathered during this historical investigation.

RETEC reviewed a number of sources to assess the historical ownership and operations of the MGP, subsequent site uses, and current site conditions. These sources include historical records obtained from private and public repositories (e.g., Con Edison resources, federal, state, and local agencies), a chain-of-title search, tax and zoning records, a review of geologic reports for the general area, and a site reconnaissance. A report checklist summarizing the review requirements and our findings is provided in Appendix A. A detailed list of the sources reviewed and the findings are provided in Sections 5, 6, and 7 of this report.

The findings presented in this historical investigation report are based on the scope of work agreed to by Con Edison and the data that could be obtained in the course of this process. The availability of historical records may be limited by a number of factors, including the size and duration of MGP activities at the site, the record keeping practices of the time, and local interest in the property. An assessment of the current site conditions may be limited by current site ownership and access, the ability to assess only general geologic conditions and lack of site-specific data, and availability of public records.

The opinions presented in this report are in accordance with currently accepted hydrogeologic and engineering standards and practices. This report may be based, in part, on unverified information supplied to RETEC by third-party sources. While efforts have been made to substantiate this third-party information, RETEC cannot guarantee the completeness or accuracy of such information.

This historical investigation report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations, or policies of federal, state, or local governmental agencies. Any use of this historical investigation report constitutes acceptance of the limits of RETEC's liability. RETEC's liability extends only to its client and not to any other parties who may obtain the report.

2 Property Description

This section includes a description of the property based on the furthest extent of the MGP boundaries, the site size, and the current tax map designations for parcels located within the former MGP boundaries.

2.1 Site Location and Property Boundaries

The Yonkers - Woodworth Avenue Works former MGP site was located between Ashburton Avenue and Babcock Place on Woodworth Avenue in the City of Yonkers, Westchester County, New York. The site location is illustrated in Figure 2-1. The property extended to Woodworth Avenue to the east, to Babcock Place to the north, to Ashburton Avenue to the south, and to Alexander Street to the west with the New York Central Railroad tracks going from south to north through the site property [Sanborn Map, 1917]. The site area encompassed approximately 4.3 acres. The coordinates for the site are approximately N 40°56'28.14" latitude and W 73°54'4.62" longitude.

2.2 Tax Designation

Currently, the property encompasses the following lots, based on the current tax maps and the layout of the gas plant on the 1917 Sanborn Map:

- Section 2, Block 2100, Lot 1 – 119 Woodworth Avenue;
- Section 2, Block 2100, Lot 4 – 115 Woodworth Avenue;
- Section 2, Block 2100, Lot 10 – 95 Woodworth Avenue;
- Section 2, Block 2618, Lot 1 - 104 Ashburton Avenue;
- Section 2, Block 2618, Lot 2 – address not provided;
- Section 2, Block 2618, Lot 200 – address not provided; and
- Section 2, Block 7000, Lot 1 – currently the location of the Metro-North Hudson Division railroad tracks that run north/south through the center of the property.

These tax lots were identified by Con Edison in the summary of MGPs prepared for the application to the NYSDEC Voluntary Cleanup Program. A review of all available information regarding site locations confirms that portions of these lots were the location of the former MGP property.

3 Current Site Use

This section provides a summary of the current site use and the site reconnaissance conducted by RETEC for the Yonkers - Woodworth Avenue Works former MGP site.

3.1 Site Use

The Yonkers - Woodworth Avenue Works former MGP site is currently used for commercial purposes. The property on the eastern side of the railroad tracks is currently occupied by A&D Carting, Steven's Paints, and Pollack Paint, Inc. On the western side of the tracks, the northernmost section is part of a bridge right-of-way, the westernmost section is a paved bus turn-out/turn around area for Alexander Street, and there is a Metro-North substation along the railroad tracks. The remainder of the western portion is a former paved parking area that is under construction for use by the Greyston Bakery. The current site layout is illustrated in Figure 3-1.

3.2 Site Reconnaissance

A team of RETEC geologists and environmental engineers visited the location of the Yonkers - Woodworth Avenue Works former MGP Site on April 30, 2002. The purpose of the reconnaissance was to do the following:

- assess current site environmental conditions and property use,
- perform a visual inspection for the presence of potential MGP site residuals on the site and surrounding properties, and
- identify potential receptors that may be at risk if MGP residuals or other by-products are present.

During the site reconnaissance, the inspection team reviewed a site inspection checklist developed by RETEC to ensure that all the necessary information was collected, documented their observations in a bound field notebook, and took photographs of the site. The inspection team walked the perimeter of the property to make their observations. Access to the site property was not permitted due to fences and the current site businesses.

The current on-site structures at the Yonkers - Woodworth Avenue Works former MGP site include the former MGP building, which is currently the location for Steven's Paints. Other on-site structures include many small commercial businesses on the eastern side of the railroad tracks. The Greyston Bakery is being constructed on the western side of the railroad tracks. A long brick building is present parallel to the railroad tracks on the western portion of the site. The building is a Metro-North substation. Alexander Street bounds the site on the west, Ashburton Avenue bounds the site on the south, Babcock

Place bounds the site on the north and Woodworth Avenue bounds the site on the west. Railroad tracks run north/south through the middle of the property. The vicinity of the site is primarily industrial/commercial, with some residential properties to the north. Figure 3-1 illustrates the property and adjoining streets. A photographic log of the site reconnaissance is provided in Appendix B.

RETEC was able to observe the site from the perimeter of the property. The current site surface is almost entirely covered by buildings and asphalt on the eastern side of the tracks and approximately 10 percent covered by a building on the western side of the tracks and 90 percent covered by asphalt on the rest of the property (Figures 1-12 in Appendix B photo log). There were no visual indications of MGP residuals on the surface of the property. It is not known if there are basements in any of the buildings on the site property. There are overhead utility lines along the streets. It is unknown if subsurface utility lines exist on the site; however, subsurface lines are likely to be present in association with the commercial businesses.

At the time of the site reconnaissance, the construction of the Greyston Bakery was in progress on the western portion of the former MGP site. It was observed that there were a number of footings throughout the former paved parking area on this portion of the site. The use of these footings is not known. Additionally, a trench was excavated running north/south on the eastern side of the western parcel and another pit was dug on the western side of the parcel. The purpose of these excavations is related to remediation activities on the property [Ecosystems Strategies, Inc.; 2000]. There was no evidence of MGP residuals in the soil that were excavated based on observations from the perimeter of the site.

Off-site structures include Yonkers Institutional Food Corp., NYUV and residences to the north; Maxbraun & Sons Meats, Greyston Bakery, Rose of Sharon Apostolic Church, and New York Ladder and Scaffolding to the east; Liberty Lines Express, Department of Social Services, and A. Tarricone oil terminal to the west; and a Kawasaski manufacturing building to the south. Commercial and industrial properties are located in all directions from the site.

The Hudson River is the nearest surface water body to the Yonkers - Woodworth Avenue former MGP site. The river, located approximately 200 feet west of the site, could not be accessed due to industries covering the riverbank.

The site reconnaissance also identified the following schools and day care centers within ¼ mile of the former MGP site.

SCHOOLS
Westchester School-Spcl Chldrn (.12 mi.)
45 Park Ave.
Yonkers, NY 10703-3401

Martin Luther King Elem School (.1 mi.)
135 Locust Hill Ave.
Yonkers, NY 10701-2917

Yonkers Christian Academy (.2 mi.)
229 N Broadway
Yonkers, NY 10701-2600

St Casimir's School (.2 mi.)
239 Nepperhan Ave.
Yonkers, NY 10701-3461

DAY CARE CENTERS
Heavensent Family Day Care (.14 mi.)
120 Locust Hill Ave.
Yonkers, NY 10701-2942

Professional Day Care Ctr (.17 mi)
98 Locust Hill Ave.
Yonkers, NY 10701-2940

4 Site Setting and Demography

This section provides the current zoning characteristics for the Yonkers Yonkers - Woodworth Avenue Works former MGP site and surrounding area and a description of the physical setting of the site, including geological and hydrogeological characteristics.

4.1 Characteristics of Site and Neighboring Properties

The Yonkers - Woodworth Avenue Works former MGP site is located in a mixed industrial/commercial area with some residential areas to the north. The site itself is used for commercial purposes and is zoned industrial. Commercial and industrial businesses surround the site property. These areas are zoned commercial, storage, and light manufacturing.

The neighboring properties include the following:

- Yonkers Institutional Food Corp., NYUV, and residences to the north;
- Maxbraun & Sons Meats, Greyston Bakery, Rose of Sharon Apostolic Church, and New York Ladder and Scaffolding to the east;
- Liberty Lines Express, Department of Social Services, and A. Tarricone oil terminal to the west; and
- Kawasaki manufacturing building to the south.

The U.S. Census Bureau's records from the 2000 Census were used to determine the demographics for the site and surrounding area. The census showed that the City of Yonkers had a population of 196,086 people. The area surrounding the site was identified in the 2000 Census as Census Tract 4.02, Westchester County, New York (see Figure 4-1). The population for this area is 6,033 people.

4.2 Physical Setting

4.2.1 Site Topography and Surface Drainage

The 1969 U.S. Geologic Survey (USGS) topographic map for the Yonkers, N.Y. Quadrangle was reviewed to provide information about the topography of the site. The map shows that the site is moderately sloped from Woodworth Avenue to the west (73 feet Mean Sea Level-MSL) to Alexander Street to the west (20 feet MSL) with an overall change of 53 feet.

Surface water runs off the site to the west via sheet flow and then may discharge into the Hudson River approximately 200 feet west of the site. The

nearest surface water body in the vicinity of the former MGP site is the Hudson River and is designated as Class SB. Class SB is defined as follows: "Waters best usages are primary and secondary contact recreation and fishing. These waters shall be suitable for fish propagation and survival." It is not known if city storm drains would capture site runoff before it would enter the river. According to the database search completed by Environmental Data Resources, Inc. (EDR), the site itself does not lie within a mapped Federal Emergency Management Agency (FEMA) flood zone; however, portions of the Hudson River bank 100 feet to the west of the site are within the FEMA 500-year flood zone. The site itself is not mapped as a designated wetland area. Portions of the nearby Hudson River shoreline to the west of the site are mapped as wetland areas.

4.2.2 General Site Geology

The Surficial Geology Map of New York – Lower Hudson Sheet [Cadwell, 1989] was reviewed to obtain information about the surficial deposits at the site. The map shows that a thin layer of glacial till material is likely to be present at the site that is comprised of silty clay with occasional boulders. According to the map, the till can be expected to have low permeability. The map also shows that the till may be very thin or absent in the area of the site and bedrock may be exposed at the ground surface.

The Geologic Map of New York published by the New York State Museum of Science [Fisher, 1970, revised 1995] was reviewed to provide information about the bedrock geology at the site. The site is located in the Manhattan Prong, which is a geologic sub-province of the New England Upland physiographic region of New York that encompasses most of Westchester County. The bedrock at the site is the Fordham Gneiss of the Upper Proterozoic Age. This gneiss is a metamorphic rock comprised of garnet, biotite, quartz and plagioclase.

Recent records were found in the Yonkers Building Department of soil borings conducted on the site property. The records were recorded in a bound field book. Two soil borings were conducted on October 25, 1957 for a plant addition and four borings were conducted on October 28, 1957 for the proposed plant.

The description of soil is as follows:

Boring ID	Elevation of ground surface (feet/MSL)	Depth of boring (ft)	Water level (ft)	Description
Boring 1	92.06	17.0 - refusal	4.0	0.0-13.0 Brown-gray sandy silt and gravel. 13.0-17.0 Medium brown sand and gravel, trace clay, disinteg. mica.
Boring 2	94.06	14.0 - refusal	5.5	0.0-11.5 Brown clayey sand. 11.5-14.0 Medium gray sand and gravel
1-A	98.16	11.5 - refusal	9.5	Brown sand, clay.

Boring ID	Elevation of ground surface (feet/MSL)	Depth of boring (ft)	Water level (ft)	Description
2-A	96.76	19.5 - refusal	9.0	Brown sand, clay, fill.
3-A	94.26	12.5 - refusal	6.75'	0.0-2.0 sand, brick, wood, fill. 2.0-10.5 Brown clay, thin layers of fine-grained sand. 10.5-12.5 Sand and disinteg. rock.
4-A	96.66	10.0 -refusal	5.5	0.0-3.0 Sand, gravel, cinder, wood, and fill. 3.0-10.0 Brown fine-grained sand, gravel, trace clay.

4.2.3 General Site Hydrogeology

Groundwater flow direction is assumed to mimic surface topography that slopes from the east to the west with the intertidal zone of the Hudson River as a likely discharge point. The flow direction of groundwater at the site; however, was not directly tested during the site reconnaissance. The depth to water in the vicinity of the site is expected to be approximately 4 to 9.5 feet below ground surface, based on the boring logs obtained for the site (listed above) and information obtained from a well near the site obtained from a Federal and State well database search completed by EDR (Appendix C).

A map entitled "Unconsolidated Aquifers of Westchester County, New York" [Keneally, June 2001] was reviewed to determine if the site is located within the footprint of a significant unconsolidated groundwater aquifer. The map does not show any significant aquifer within the footprint of the site.

A well search of both Federal and New York State databases was completed to determine if water wells are present in the vicinity of the site. A total of 12 wells were identified within a one-mile radius of the site. The locations of the wells are provided on the Physical Setting Source Map in the EDR database search results in Appendix C. As shown on the map, none of the wells are located within a ¼ mile radius of the site. Two wells are located within a ½ mile of the site, which were installed to withdraw water for industrial purposes. One of the wells is not currently used. Another well, located ¾ mile to the south of the site is an active public water supply well (NY0006622). The rest of the wells identified in the database are between ½ and 1 mile from the site. Each of these wells was installed to withdraw water for industrial purposes. Five of these wells are no longer used.

A record for one well drilled in the vicinity of the Yonkers - Woodworth Avenue former MGP site was found in *The Ground Water Resources of Westchester County* [Asselstine and Grossman, 1955]. This well was located ¼-mile south of the site. The well was drilled in 1942, into limestone bedrock, at the Otis Elevator Company. The well was drilled to 305 feet below the ground surface, with overburden reported at 55 feet below ground surface.

The depth to water in the well was reported as 8 feet below ground surface. The drilling records for the well described the stratigraphy as follows:

- 0-55 feet clean, fine sand;
- 55-160 limestone;
- 160-170 pink feldspar; and
- 170-305 limestone.

Ground water in the vicinity of the site is classified as GA - Fresh ground waters with best usage as a source of potable water supply. However, this area is not classified as a primary water supply aquifer or a principal aquifer.

5 Past Site Ownership

The ownership history of the former MGP site in Yonkers on Woodworth Avenue was established using historical and current records from the earliest record of the site, through the time of the MGP operations, to the present time. A list of the records reviewed and a description of each is provided below, followed by a summary of site ownership as established using all the resources that were identified.

5.1 Records Reviewed

5.1.1 Brown's Directory of American Gas Companies

Brown's Directory of American Gas Companies (Brown's Directory) began publication of gas companies' statistics in 1887 and continues into recent times to provide information on currently operating gas companies. RETEC reviewed Brown's Directories for the years 1887 through 1957, which covers the operational period of most MGPs, to determine site ownership and operational information for the Yonkers - Woodworth Avenue former MGP. Several years are unavailable in the public domain, and RETEC does not have Brown's Directories for the years 1888, 1895 through 1898, 1952 and 1953. It is noted that Brown's Directory may not distinguish between two or more sites, if they were operated simultaneously by the same company.

The results of the Brown's Directory search are provided in Table 5-1. The Yonkers Gas Light Company was identified in Brown's Directory in the first year it was published, 1887. The plant was identified as being operated by the United Gas Improvement Company of Philadelphia, Pennsylvania. Production information was provided together with that of two additional gas companies in Yonkers, therefore, site-specific production information on the Yonkers - Woodworth Avenue site was not available in Brown's Directory. The Yonkers Gas Light Company continued to be listed in Brown's Directory until the 1901 edition, at which time the Westchester Lighting Company was listed for Yonkers and the listing referred to Mt. Vernon, New York for information.

No site-specific information for Yonkers was provided in Brown's Directory after this time, however, Westchester Lighting Company continued to be listed under Yonkers until 1909. The 1905 Brown's Directory indicated that Consolidated Gas Company of New York, New York was organized in 1884 and it had acquired control of the Westchester Lighting Company sometime before 1905. Brown's Directory from 1909 through 1924 did not have a listing under Yonkers; however, from 1925 through 1927 it listed the Westchester Lighting Company as being headquartered in Yonkers, New York. In 1923, Brown's Directory indicated that a 20-inch emergency transmission main was installed from a 10-million cubic foot holder at

Fordham Road and the Harlem River in the Borough of Manhattan and the City of Yonkers, connecting them with the 20-inch main from the Pelham MGP to the Yonkers Works.

5.1.2 Public Service Commission Reports

The New York Public Service Commission (PSC) Reports for the years 1907 to 1968 were reviewed to determine the ownership and operational history of the Yonkers - Woodworth Avenue former MGP site.

Information specific to the Yonkers Gas Light Company indicated that the company was incorporated May 12, 1854, under the act for the formation of gas light companies. The Yonkers Gas Light Company merged with other companies to form the Westchester Lighting Company (incorporated November 5, 1900) on December 1, 1900. Two other gas companies in Yonkers also merged to form the Westchester Lighting Company at that time (Municipal Gas Company of Yonkers, incorporated June 2, 1879, and the Westchester Gas Light Company of the City of Yonkers, incorporated September 24, 1875).

Information specific to Yonkers was provided from 1911 until 1931. This information likely applies to the Yonkers - Woodworth Avenue site, since it was still operational and it would have been unlikely to have more than one gas plant in a city the size of Yonkers at that time. Additionally, it is known that the Westchester Gas Light Company was no longer in operation at this time.

The PSC Reports indicate that the water gas produced at the Yonkers plant was tested for sulfur and ammonia for various years between 1911 and 1920. Carbureted water gas was produced at Yonkers and production increased, though not consistently, from 298,828 million cubic feet of gas in 1915 to 591,038 million cubic feet of gas in 1919. Production remained steady until the late 1920s, at which time it decreased and stopped by 1928. The PSC Reports indicate that the Yonkers plant was dismantled in 1930 and demolished 1931.

5.1.3 Chain-of-Title Search

A deed chain-of-title search was performed by Commonwealth Land, Title and Insurance Company of White Plains, New York on behalf of Con Edison for the former Yonkers - Woodworth Avenue MGP site. The chain-of-title search was conducted to establish the ownership history of the site from the time immediately prior to gas plant operations to the present day. The results of the chain-of-title search are included in Appendix D, and a summary of the property ownership is provided in Table 5-2.

According to the chain-of-title search, the first utility to own the eastern portion of the site (Current Section 2, Block 2100, Lots 1, 4, and 10) was the

Yonkers Gas Light Company, which bought a parcel of the property in 1854 from a private owner. In 1861, the Yonkers Gas Light Company first purchased a parcel of the western portion of the site (Current Section 2, Block 2618, Lots 1. 2, and 200) from the People of the State of New York and by 1872 it owned the entire eastern and western portions of the site.

The next utility to own the entire property was Westchester Lighting Company, which sold the property to New York and Westchester Lighting Company prior to the two companies merging in 1904.

In 1907, the Westchester Lighting Company exchanged reciprocal parcels with the New York Central and Hudson River Railroad Company. This exchange involved the Westchester Lighting Company adding property on to Block 2100 - Lot 1 from the railroad's property (Block 7000-Lot 1) and losing property from Block 2618 - Lot 1 to the railroad. The exchange also included having the gas company remove 4 pipes and reinstall a culvert through the railroad property.

In February 1946, the Westchester Lighting Company sold the eastern portion of the site to a private owner and in April 1946 it sold the western portion of the site to a different private owner.

According to the chain-of-title search, the eastern portion of the site is currently owned by three separate owners (see Table 5-2). The chain-of-title search also shows that the western portion of the site was broken up into three lots and a railroad right-of-way.

- The northernmost section [Block 2618 - Lot 200] taken by the NYSDOT for a bridge right-of-way;
- Tthe westernmost section [Block 2618 - Lot 2] was taken and developed into a paved bus turn-out/turn around area for Alexander Street; and
- The remaining section [Block 2618 - Lot 1, less a right-of-way along the railroad tracks for the Metro-North Hudson Division Substation] was sold eventually to 104 Ashburton Avenue LLC.

The chain-of-title search also shows that there is a deed restriction on 104 Ashburton Avenue [Block 2618 - Lot 1] that states that "…the Site may not be used for any purpose other than industrial or commercial uses and the construction on the Site of buildings or improvements with subsurface spaces or structures, other than foundations or necessary utilities is prohibited."

5.1.4 Historical Maps

Historical Sanborn Fire Insurance Maps (Sanborn Maps) were obtained from Con Edison for the Yonkers - Woodworth Avenue former MGP site. Sanborn Maps were available for the years of 1886, 1898, 1917, 1942, 1951, 1956,

1957, 1978, 1989, 1990, and 1991. A copy of the Sanborn Maps are included in Appendix E and were used to compile a composite historical site layout map as illustrated in Figure 5-1. Figure 5-2 presents the historical site layout as it falls within the current tax map property boundary.

Additionally, the *Atlas of New York and Vicinity* [Beers, 1868] and the *Atlas of the Hudson River from New York City to Troy* [Beers, 1891] were reviewed to determine if additional historical maps were available for the site location. A portion of the 1868 atlas showing the site is provided in Appendix F.

Furthermore, construction drawings detailing the reciprocal exchange of property were identified during the chain-of-title search. These drawings are provided in Appendix F.

The results of the historical map review are summarized below:

- The earliest map of the site is Sanborn Map 1886. The property is labeled Yonkers Gas Light Co. This map shows on the eastern side of the railroad tracks, two gas holders, a building labeled valve, meter and pipe shop. A coal shed with a section on the west side labeled retorts is west of the southern most gas holder. A pump house, coke shed and shed are also located north of the coal shed. On the western side of the railroad tracks, there is one small oil tank, and an area containing tar barrels. North of the tar barrels is a building labeled purify house.

- The 1898 Sanborn Map shows the property still labeled as Yonkers Gas Light Co. New development includes Babcock Place, which has an addition of a bridge continuing west over the railroad tracks. The buildings on the eastern side of the railroad tracks are in much the same configuration as the previous edition; however, the valve, meter and pipe shop is now labeled workshop storage. There is another building south of the workshop storage but it is not labeled. There is another gas holder in between the two gas holders from 1886 Sanborn Map. The coal shed is still in the same configuration, however, the section that was labeled retorts is now labeled generators with an adjacent building, but the building is not labeled. North of the coal shed is also labeled generators. A few small buildings are located just north of the generator. On the western side of the railroad tracks, the configuration of the purifying house has changed into a larger building. There are two storage buildings south of the purifying house along with a lard oil tank.

- The 1907 construction drawing shows a gas house, coal shed, engine house and two large tanks (holders) labeled Westchester Lighting Co. on the eastern portion of the site. In addition it shows two smaller

tanks and unidentified buildings labeled Westchester Lighting Co. on the western portion of the site.

- The 1917 Sanborn Map shows the site labeled as Westchester Lighting Co. The eastern side of the railroad tracks is in much the same configuration as the previous edition, with the valve, meter pipe shop, unnamed building, coal shed, generators, and smaller buildings present. The generators located to the west of the coal shed have an adjacent building, which is not new but labeled as engine room. Directly south of the coal shed is an area labeled coal pocket. Three gas holders are still present, but the southernmost gas holder is labeled tar tank. On the western side of the railroad tracks the purifying house remains in the same configuration. An area north of the purifying house is labeled coal pile. The lard oil tank is now labeled oil house. One of the two buildings previously identified as storage is removed and the other storage building has expanded into a pipe shed and shed. South of the pipe shed are new structures, which include three oil tanks and three crude oil tanks.

- The 1942 Sanborn Map shows little detail of the site but Westchester Lighting Company is still shown owning property on both sides of the railroad tracks.

- The 1951 Sanborn Map shows considerable change from the previous editions. On the eastern side of the railroad tracks, the valve meter, pipe shop, gas holders, generators, coal shed, smaller buildings, engine room, and coal pocket are all no longer present. The unnamed building is present but it is labeled machine shop storage with an adjacent building labeled storage. The western sides of the railroad tracks have no previous structures present. There is one building in the southwest corner on Ashburton Avenue and Alexander Street with no label.

- The 1956 Sanborn Map shows very little change. The machine shop storage with the adjacent storage is still present but is labeled paint storage machine shop. The western side of the railroad tracks remains unchanged.

- The 1957 Sanborn Map shows the paint storage shop. South of the paint shop is a new building labeled “auto rep” (auto repair) with an adjacent “fill’g sta” (filling station). The western side of the railroad tracks is labeled parking and the building in the corner is labeled motor oil storage.

- The 1978 Sanborn Map shows an additional building labeled storage with the paint storage shops. North of the paint shop there are some

new unnamed structures built along Babcock Place. The western side of the railroad tracks remains unchanged.

- The 1989 Sanborn Map shows Babcock Place extending into the western parcel to Alexander Street. The western side of the railroad tracks no longer has the motor oil storage building present. There is a new building present parallel to the railroad tracks on the western side with no name. The eastern side of the railroad tracks remains in much the same configuration as the 1978 Sanborn Map. The filling station next to the auto repair is no longer present.

- The 1990 Sanborn Map is unchanged from the 1989 edition.

- The1991 Sanborn Map is unchanged from the 1989 edition.

5.2 History of Site Ownership

The history of site ownership was compiled using Brown's Directory, PSC reports, and Sanborn Maps, and the chain-of-title search.

PSC Reports indicate that the Yonkers Gas Light Company was incorporated in 1854. The Yonkers Gas Company owned property on the eastern portion of the site in 1854 [Chain-of-Title Search] and operated on this portion of the former MGP site as early as 1868 [Beers, 1868]. According to Sanborn Maps, the Yonkers Gas Light Company continued to operate on the site and expanded the property through at least 1898. In 1900, the Yonkers Gas Light Company merged into the Westchester Lighting Company, who continued to operate the site as a gas plant until 1928 and used the site subsequent to gas plant operations into the 1940s [Sanborn Map, 1942]. The PSC Reports indicate that the Yonkers plant was dismantled in 1930 and demolished in 1931.

According to the chain-of-title search, the Westchester Lighting Company sold the eastern portion of the site to a private owner in February 1946, and it sold the western portion of the site to a different private owner in April 1946. Since 1946, the property has been used for commercial/industrial purposes.

Currently, the eastern portion of the site is currently owned by three separate owners (see Table 5-2). and the western portion of the site is broken up into three lots with separate owners and a railroad right-of-way.

Furthermore, the railroad property crossing the site contains [Block 2618 - Lot 1] is owned by Metro-North Hudson Division and contains some property that was historically owned and used by the gas company.

6 Past Site Operations

The operational history of the former MGP site on Woodworth Avenue in Yonkers was established using historical and current records from the earliest record of the site, through the time of the MGP operations, to the present time. A list of the records reviewed and a description of each is provided below, followed by a summary of the MGP site operational history and subsequent site uses as established using all the resources that were identified. For each site use, potential residuals associated with the process are identified.

The historic records identified in Section 5.1 were reviewed for information related to the site operational history as well as ownership history. These records include, Brown's Directory, PSC Reports, and historical maps. In addition, historical aerial photographs for the Yonkers - Woodworth Avenue MGP site were reviewed at the Westchester County Planning Department in White Plains, New York.

6.1 Aerial Photography Review

Aerial photographs were available for the years 1926, 1940, 1947, 1954, 1960, 1970, 1976, 1980, 1986, 1990, 1995, and 2000. A summary of the aerial photograph review is provided below, and copies of selected aerial photographs are included as Appendix G. Sanborn Maps were used to help identify structures shown on the aerial photographs.

The 1926 aerial photograph did not include the site. The 1940 photograph showed buildings along Woodworth Avenue and showed that the west side of the railroad tracks was not developed, except in the southwest corner where there were two small buildings. The photograph also showed a cluster of tanks along the river in the area southwest of the site.

The 1947 photograph showed small rows of unidentified structures on the west side of the tracks. The east side of the tracks was the same as in 1940. In the 1954 photograph, there was a parking lot with cars on the west side of the tracks and a building in the southwest corner of the property. On the east side of the railroad tracks the property was approximately 45 percent covered with buildings.

In 1960, the east side of the tracks was approximately 80 percent covered with buildings or pavement and the west side was the same as 1954. It appears that the property did not change until 1976, when the east side of the railroad tracks was almost entirely covered by the buildings or pavement. In 1980, the east side of the property appeared the same, but the west side of the property appeared smaller in size. The small building in the southwest corner of the property was no longer present, and a circular pull off area was present.

In 1986, the west side of the property appeared to be the same and the east side of the property appeared to be less developed with buildings, but still covered with concrete or asphalt.

The 1990 photograph showed that the east side of the property appeared the same and the west side of the property had changed. Three buildings were constructed on the west side of the railroad tracks. One of these buildings was long and was located parallel and adjacent to the railroad tracks, the other two buildings were small, with one of them located in the northwest portion of the property and one located in the south central portion of the property.

By 1995, the two smaller building located on the western portion of the property had been removed, but everything else appears the same. The 2000 photograph appeared the same as the 1995 photograph, with the exception of roll-off boxes located on the eastern portion of the property. The site configuration remains the same today as in 2000.

Additional details of the current site conditions are provided in the site reconnaissance in Section 3.2. Copies of selected aerial photographs are included in Appendix G.

6.2 Site Operational History

The records identified in Section 5.1 were used to compile an operational history of the Yonkers - Woodworth Avenue Works former MGP site, including gas production at the site (including capacity, equipment, and residuals produced), MGP site closure activities (including structures remaining, converted to other uses, dismantling), other site uses, and any general changes to the site over time.

6.2.1 History of Gas Production

Operational History

An operational site history was developed for the Yonkers - Woodworth Avenue Works former MGP site using Brown's Directory, PSC Reports, historical maps (Sanborn Maps and Atlas Maps), aerial photographs, and information provided by Con Edison.

PSC Records indicate that the Yonkers Gas Light Company was incorporated in 1854. The earliest records identified for the specific site location are in 1) an 1854 deed that shows the Yonkers Light Gas Company owned part of the western portion of the property, 2) an 1861 deed that shows the Yonkers Light Gas Company owned a part of the western portion of the site, and 3) an 1868 Beers Atlas that shows the Yonkers Gas Company occupying the western portion of the property. On the 1868 Beers Atlas, the railroad tracks are shown crossing the gas company owned property. The site at that time consisted of

four gas plant buildings and one gas holder all located on the eastern portion of the property.

By 1886, gas plant buildings were located on the western portion of the site as well as the eastern portion. At this time, deeds found in the chain-of-title search indicated that the property lines of western portion of the site extended into the Hudson River and the river is shown just north and south of the western portion of the site on the 1886 map. Furthermore, while the area immediately west of the above structures is not shown on the Sanborn Map, a pier is indicated in the southwest corner of the site [Sanborn Map, 1886].

In 1886, the eastern portion of the property consisted of two gas holders, retorts, a coal shed, coke shed, engine room, pump room, storage/pipe shed/valve-meter room, tool house, office, and a superintendent's dwelling. Both gas holders were constructed as a "sheet iron building." Based on the timeframe in which they were constructed, these holders were likely to have below-grade foundations (a later 1917 Sanborn Map confirms this). The western portion of the site consisted of a purifying house, drying house, oil tank, and an area occupied by barrels of tar. The portion of the property immediately adjacent to the railroad tracks appeared to be occupied by structures associated with the railroad (hand car house, switchman's box, and a dwelling surrounded by a number of small unidentified structures) [Sanborn Map, 1886]. The presence of the oil tank and engine room, as well as retorts, suggests that both coal gas and water gas were produced at the site.

The first available Brown's Directory, 1887, listed the Yonkers Gas Light Company as producing water gas. The Yonkers Gas Light Company was operated by the United Gas Improvement Company of Philadelphia, Pennsylvania, along with two other gas companies in Yonkers (Westchester Gas Light Company and Municipal Gas Company). Production in Brown's Directory was listed for all Yonkers gas companies together, therefore, it can not be determined for which plants the gas statistics were provided.

By 1898, the area west of the site was filled and the river was moved approximately 400 feet to the west, therefore the site was no longer located on the river. Alexander Street was constructed immediately west of the site and the area between Alexander Street and the river was developed by other businesses. Bridge Place was constructed north of the western portion of the site and Babcock Place was constructed north of the eastern portion, connecting via a wooden bridge over the railroad tracks. The gas plant had expanded to include a third gas holder on the eastern portion of the site and the retorts were replaced with generators, suggesting coal gas was no longer produced. On the western portion of the site, the purifying house had been moved to the north and a store house, a second storage building, and a "lard oil tank" had been constructed. The portion of the property west of the purifying house up to Alexander Street was not occupied at that time.

In 1900, the Yonkers Gas Light Company merged into the Westchester Lighting Company of Mt. Vernon, New York [PSC Reports; Brown's Directory, 1901]. Brown's Directory reports combined production for all Westchester Lighting Company plants, therefore, there is no site-specific information for the Yonkers - Woodworth Avenue site. As early as 1905, the Westchester Lighting Company became affiliated with Consolidated Gas Company of New York, the predecessor company to Con Edison [Brown's Directory, 1905].

The Westchester Lighting Company continued to operate and expand the Yonkers - Woodworth Avenue site. In 1917, Westchester Lighting Company used buildings in the northeast corner of the site for meter repair, storage, and offices. A concrete retaining wall was constructed immediately northwest of the smallest holder in the southeastern portion of the site. This holder was indicated to be used as a tar tank at that time, and the roof was level with the ground, confirming that this was a subsurface tank. Additionally, the northernmost holder was a 263,000 cubic foot holder that was six inches above-ground, also having a subsurface base. The newest holder, constructed by 1898, was a 30-foot high, 263,000 cubic foot holder [Sanborn Map, 1917]. It is not known if this holder had a subsurface base.

By 1917, the western portion of the property had been expanded to include a coal pile in the north, several sheds, an oil house, and oil tanks in the southern portion of the property. The oil tanks were indicated to be one 10-foot diameter tank, two 8-foot diameter rectangular tanks, two 12-foot diameter iron crude oil tanks, and one 14-foot diameter iron crude oil tank. Concrete retaining walls were installed directly east and west of the railroad track, and an "undertrack passage" connected the east and west portions of the site.

The PSC Reports indicate that water gas production at the site fluctuated in the time period between 1915 and 1927 from a maximum of approximately 591,000 million cubic feet to 71,000 million cubic feet in the plant's final year of production. The plant was dismantled in 1930 and 1931, with demolition of remaining structures in 1931 [PSC Reports]. The 1940 aerial photograph and 1942 Sanborn Map confirm that most of the above-ground portions of the gas plant were removed by that time. The two buildings in the northeast corner of the site along Woodworth Avenue remained [Sanborn Map, 1942].

Residuals Associated with MGP Site Use

The former Yonkers - Woodworth Avenue MGP produced gas via coal carbonization and carbureted water gas processes. The gas manufacturing processes generated a variety of residuals including tar, ammonia liquor, coke, clinker, gas purification residues, tar/water emulsions, and wastewaters. The following provides a general overview of the residuals produced and used at a typical MGP site, and it is not specific to the Yonkers - Woodworth Avenue MGP site except where it is noted.

Coke is a solid material that is primarily carbon (typically 80 to 90 percent). It is the remnant of bituminous coal that has been subjected to high temperature destructive distillation. The non-carbon portion of the coke contains metals in varying concentrations. There is a coke shed on the site property in the 1886 Sanborn Map.

Tar produced during gas manufacture was a complex mixture of hydrocarbons that could range from viscous liquid to a gummy solid depending on its water content, origin, age, storage conditions, and temperature. Tar contains hundreds of compounds with the ones of primary environmental interest being volatile aromatics and polynuclear aromatic hydrocarbons (PAHs). Tar produced during coal carbonization also contained tar acids, such as phenols. For the most part, tar and water were immiscible, being readily separated by gravity settling. However, at intermittent and unpredictable times, some carbureted water gas processes produced tar/water mixtures that were miscible and not readily separable by gravity settling methods. These tar/water mixtures were called tar/water emulsions. Tar is most likely the residual to be found on MGP sites, and may be found in subsurface structures remaining on the site.

Typically, tar was allowed to gravity settle from the gas in below-ground tar separators, tar tanks, or similar structures. Tar separators were baffled structures typically constructed of brick or wood and the bottoms may have been lined; in some cases the bottoms were left unlined, particularly if the naturally occurring material underlying the structure was clay-like in nature. Tar tanks may have been iron tanks, or in many cases, were the former gas holders. Residual tars often settled to the bottom of the gas holders, particularly in the case of relief holders. The relief holder (often the original gas holder) was the first holder into which the gas was pumped and any remaining tar was allowed to settle before the gas was then pumped to the storage or distribution holder. The tar separator, relief holder/tar tank, or other holders on the site have the potential to contain tar residuals that settled to the bottom of the structure and were not removed at the time the gas plant was dismantled. If these structures remain on a site, there is a potential for tar to remain in the structures, and leaks into the subsurface may occur.

The two gas holders on the eastern portion of the property were indicated to be below-ground holders, one of which was later used as a tar tank [Sanborn Map, 1917]. In 1868, the gas holder that became a tar tank was present [Beers, 1868]. Barrels of tar were shown on the 1886 Sanborn Map, indicating that at least a portion of the tar was collected, however, subsurface structures containing tar may remain at the site.

As produced at the time, ammonia was generally in the form of an ammonia-water solution that was collected during the gas manufacturing process in ammonia wells. It was noted in the PSC Reports that the gas was tested for ammonia, however, no other information was provided.

For the most part, gas purification residues were solid materials generally made up of woodchips, corn cobs, or a similar fluffing agent impregnated with iron salts. During gas purification, these materials absorbed hydrogen sulfide and, in the case of coal carbonization, cyanide from the gas. These purification materials were generally regenerated and reused several times, but when the sulfur content reached approximately 30 to 40 percent of the material, the purification materials were no longer useable and became "spent." Prior to the use of iron salts, lime was used as a purifying agent and may be present at MGP sites as a purification residual. The Sanborn Maps of the former MGP site on Yonkers - Woodworth Avenue indicates a purifier house in the southwestern portion of the site [Sanborn Map, 1886]. The purifier house was later moved slightly to the north [Sanborn Map, 1898].

Clinker was a granular solid material resulting from the coke or coal reaction in the water gas generator vessel. The material was the fused ash remaining after the carbon had been reacted to form gas.

Wastewater was the water overflow from tar separators. A major portion of this overflow was recycled as cooling water. Excess overflow was wastewater.

Wastewater was universally considered a waste at the time of operation. Other materials were considered useable as by-products or fill. Coke, tar, and ammonia were sometimes sold to generate revenue, thereby reducing the cost of gas to the consumer. Coke and tar were sometimes used in gas making as feedstock or fuel. Gas purification residues (e.g., spent oxides) and clinker were sometimes used as fill materials at MGP sites and elsewhere.

In addition to residuals produced, feedstocks to the process, including gas oil used in the carbureted water gas process, have the potential to remain in the subsurface.

There are no available records to indicate how residuals or feedstock at the site may have been managed, stored, or disposed (including potential sale of by-products) during and subsequent to MGP operations. Table 6-1 summarizes potential MGP residuals that may be remaining at the site.

6.2.2 Other Site Uses

Operational History

The property of the Yonkers - Woodworth Avenue Works former MGP site was used by the Westchester Lighting Company until at least 1942 according to Sanborn Maps. By 1942 all above-ground portions of the MGP structures had been removed except for two buildings, the office and repair shops/storage, on the eastern side of the railroad track in the northeast portion of the property [Sanborn Map, 1942]. After this time, the property continued to be used for commercial purposes. The northeastern-most structure was removed by 1951, although the storage building remained and was used for a

machine shop [Sanborn Map, 1951], although the occupant of this business was not indicated.

The eastern portion of the property was developed over the years to include a paint shop located with the machine shop in the former MGP building, additional buildings in the northeast portion of the site, and an auto repair shop and filling station in the southeast corner of the site [Sanborn Maps]. The paint shop (former MGP building) is currently the location for Steven's Paints; the storage building to the north is currently the location of Pollack Paints; and the former auto repair shop appears to be the location of A&D Carting (demolition container service).

The western portion of the property was developed to include a building on the southwest corner of the property that was used for motor oil storage from the 1950s into the 1970s, a railroad substation running parallel and adjacent to the west side of the railroad tracks, and a parking area. The substation remains at the site. The building in the southwest corner is no longer present. The western portion of the site is currently under construction for use by Greyston Bakery.

Historical uses of the properties surrounding the site included an asphalt company, lumber and coal yard, meat processing facility, boat building company, and lithographic supply company to the west across Alexander Street; oil companies, lumber and coal companies, meat processing facility, and stencil paper manufacturing company to the south and southwest across Ashburton Avenue; the railroad and a grocery to the north across Babcock Place; and residential to the east across Woodworth Avenue [Sanborn Maps]. Coverage to the north and east is not provided for most years of Sanborn Maps, therefore, the full extent of historic uses of the adjacent properties to the site can not be assessed based on the available information.

Currently, the surrounding properties are occupied by similar commercial uses. An institutional food company, NYUV, and residences are located to the north; meat company, bakery, ladder and scaffolding company, and church are located to the east; offices and an oil terminal are located to the west; and a manufacturing building is located to the south.

Residuals Associated with Other Site Uses

A number of residuals could be associated with the other uses of the site. The paint shops could be a source of paint and solvents and the automobile service/filling station could have been a source of gasoline, diesel fuel, solvents, oil and grease, and other petroleum products. It is not known if subsurface tanks associated with the filling station remain on the property, however, subsurface and above-ground tanks are present on the property in association with Stevens Paint Corp. [EDR Database]. The current use of the site by A&D Carting includes storage for dumpsters that are used for demolition debris, which would be expected to include mostly solid products

such as brick, concrete, or wood. The building in the southwest corner of the site was used for motor oil storage, which may have contributed residuals to the site. Additionally, the railroad running through the site may have contributed creosote, oil, or other petroleum products to the property.

Surrounding offsite property use would also have a number of possible residuals associated with it including oil, tar, coal, paints, solvents, metals, inks, or dyes.

6.2.3 Previous Site Investigations

According to Con Edison, the western portion of the former MGP site (Section 2, Block 2618, Lot 1) was investigated [Ecosystems Strategies, Inc., 1989] and remediation plans [Ecosystems Strategies, Inc., 1990] have been prepared for the Greyston Foundation (with funding from Con Edison) under a voluntary cleanup action with NYSDEC. However, it is not part of Con Edison's application. The sampling results from the combined Phase I/Phase II investigation report [Ecosystems Strategies, Inc., 1989] are summarized below:

- Five existing monitoring wells were sampled on the property resulting in the presence of volatile organic compounds (VOCs) and a category of semi-volatile organic compounds (SVOCs) known as poly nuclear aromatic hydrocarbons (PAHs) petroleum compounds at concentrations exceeding NYSDEC established action levels. The laboratory results from the previous sampling event and laboratory results from this sampling event are consistent but the concentration of PAHs have greatly reduced.

- Eight soil cores were conducted to see how far the subsurface contamination extended. The multiple phases of petroleum contamination extended from the soil/water interface (3-4 feet below ground surface (bgs)) to a depth ranging from 15 to 20 feet bgs. Migration of contaminants have been limited by the presence of a clay and silt layer. The primary contaminant appears to be creosote, based on laboratory data.

7 Environmental and Agency Records Review

A review of information available in public and private databases and records was conducted to collect information related to the site and the surrounding properties. An EDR database records search was provided to RETEC from Con Edison and was reviewed to establish history of environmental actions involving the site or nearby properties. Additionally, RETEC searched public agency records to obtain information about the site. The results of each of these searches are provided below.

7.1 Environmental Records

7.1.1 Database Searches

An environmental records search for the Yonkers - Woodworth Avenue former MGP site was conducted by EDR on behalf of Con Edison. This report was provided to RETEC for review and incorporation into the historical investigation report. The EDR report includes the results of searches of federal, state, and EDR proprietary databases for listings of the target property (site) and any other properties within up to a one-mile radius of the site. The report also includes a physical setting summary as performed by EDR. A copy of the EDR report is included in Appendix C.

The Yonkers Gas Light Company, located on 101 Woodward Avenue, was listed in the EDR proprietary database of former manufactured gas plant sites. The Westchester Gas Light Company on Nepperhan Avenue was also listed in the EDR propriety database of former manufactured gas plant sites located at equal or higher elevation within one mile from the target property.

Surrounding properties within one-mile of the site were identified on several federal and state databases. The results are summarized according to lower elevation or higher elevation to the target property, which may be an indication of properties that are upgradient (higher elevation) or downgradient (lower elevation) from the target property.

The Federal Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS sites designated No Further Remedial Action Planned (NFRAP) are sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the National Priority List (NPL), or the contamination was not serious enough to require Federal Superfund Action or

NPL consideration. The CERCLIS-NFRAP database indicates one site located at a higher elevation within 0.125-mile from the target property.

The Federal Resource Conservation and Recovery Act Information System (RCRIS) database includes selected information on sites that generate, store, treat or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA. The EDR review of the RCRIS-TSD list dated June 21, 2000, identified one treatment, storage, or disposal site located within approximately 0.125-mile from the target property at a lower elevation.

The EDR review of the RCRIS-LQG (large quantity generator) list dated June 21, 2000, identified two large quantity generator sites located within 0.125-mile from the target property at an equal or higher elevation and three sites located within 0.125-mile from the target property at a lower elevation. The EDR review of the RCRIS-SQG list dated June 21, 2000, identified two small quantity generator sites located within 0.125-mile and one site located within 0.25-mile from the target property at an equal or higher elevation, and two sites located within 0.125-mile from the target property at a lower elevation.

The State Hazardous Waste Sites (SHWS) records are the states' equivalent to the CERCLIS. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data came from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State. EDR's review of the SHWS list revealed that there is one SHWS site located at a lower elevation within approximately 0.5-mile of the target property.

The State Leaking Storage Tank Incident Reports (LTANKS) database includes an inventory of reported leaking storage tank incidents reported from April 1, 1986 through the most recent update. A review of the LTANKS lists dated October 1, 2001, as provided by EDR, revealed that there are 26 LTANK sites at equal or higher elevation within approximately 0.5-mile of the target property. Six of these sites are located within approximately 0.125-mile of the target property, with five of them either on or immediately adjacent to and upgradient of the Yonkers - Woodworth Avenue former MGP site. These include Steven's Paint Corp. located on the site (115 Woodworth Avenue) and City Jail (two locations at 26 and 54 Alexander Street), Yonkers Waterfront Development (21 Alexander Street), and Super Trans (60 Alexander Street) located immediately upgradient. Note that the addresses for the upgradient sites are indicated in the EDR database as Alexander Street, however, they are all shown located on the EDR map along Babcock Place to the north of the former MGP site. There are also eight LTANK sites at a lower elevation within approximately 0.5-mile of the target property. One of these sites is located immediately adjacent to the former MGP site to the west. These leaks at these properties included unidentified material, #2 fuel oil, #4 fuel oil, and diesel fuel. In some cases, contaminated soil was left in place.

The State Underground Storage Tank (UST) database contains registered USTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database. EDR's review of the UST lists dated October 1, 2001, has revealed that there are 15 UST sites at equal or higher elevation within 0.25-mile of the target property. Eight of the sites are within 0.125-mile of the target property, two of which are on the site (Steven's Paint Corp., 115 Woodworth Avenue, with five UST with unknown product; Proctor Paint & Varnish, 95 Woodworth Avenue, with three USTs storing unleaded gasoline) and three of which are immediately adjacent to the site. There are two sites at lower elevation from the target property, both of which are immediately adjacent to the site.

The State or Local ASTM Supplemental Chemical Bulk Storage (CBS) Database includes registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks (ASTs) with capacities of 185 gallons or greater, and/or in underground tanks of any size. EDR's review of the CBS UST lists dated October 1, 2001 has revealed that Steven's Paint Corp., located on the site at 115 Woodworth Avenue, is a CBS UST site, although the tank is indicated as not currently in service. Steven's Paint Corp. is also on the CBS AST database, and maintains two ASTs that store xylene. One additional site, located at a lower elevation adjacent to the site is listed on the CBS AST database.

The State Voluntary Cleanup Program (NY VCP) covers virtually any kind of site and contamination. EDR's review of the VCP lists dated December 18, 2001 has revealed that there are three VCP sites at equal or higher elevation, two of these sites are immediately upgradient of the target property within approximately 0.125-mile of the target property. The type of residuals at these sites was not identified in the database.

The State Major Oil Storage Facilities (MOSF) database includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978. EDR's review of the MOSF UST lists dated October 1, 2001 has revealed that there is one MOSF UST sites at a lower elevation located immediately adjacent to the target property. This property operated by A. Tarricone Inc. stores unleaded gasoline, #1, #2, and #4 fuel oil, and diesel fuel. The property is also listed on the NY Spills database and recorded a spill of #2 fuel oil that affected the Hudson River in 1987.

Additional Environmental Records Searches

RETEC conducted searches of additional records to provide the most comprehensive collection of current and historical records regarding the site.

A Freedom of Information Law (FOIL) request was made to the NYSDEC Region 3 for any information regarding the Yonkers - Woodworth Avenue Works former MGP site; however, no information was obtained and the NYSDEC Region 3 indicated that no information was available for the site.

A Con Edison records search identified the environmental investigation [Ecosystems Strategies, Inc., 1989] and remediation plan [Ecosystems Strategies, Inc., 1990] for the western portion of the Yonkers - Woodworth Avenue site; however, no environmental assessments were found for the eastern portion of the site.

Lastly, real estate records were searched to determine real estate transactions regarding the former MGP property.

7.2 Public Agency Searches

A number of city agencies were searched to determine availability of historic or current information for the site.

7.2.1 City Directories

City directories for the City of Yonkers could not be obtained because they could not be located, therefore, a review was not conducted.

7.2.2 Public Library

The public library of the City of Yonkers was visited, however, no information was found relevant to the Yonkers - Woodworth Avenue site.

7.2.3 Building Department

The building department for the City of Yonkers was visited and records of the structure of buildings were found. In the building records boring hole records were found for the site, descriptions of which were provided in Section 4.2.2 of this report. These records were for the addition and proposed building for Stevens Paints. These records were analyzed and notes were taken.

7.2.4 Real Estate Records

No real estate records were found for the Yonkers - Woodworth Avenue site.

8 Potential Exposure Pathways and Receptors

This section will discuss the imminent or potential risks to human health or the environment based an evaluation of potential residuals on the site, potential exposure pathways and receptors.

8.1 Potential Residuals

Past uses of the Yonkers - Woodworth Ave Works site may have impacted soil and groundwater and residuals may be present in the subsurface. Additionally, offsite properties, including historic offsite uses and those properties currently identified in the EDR database search, may have impacted the site in the past or may in the future impact soil or groundwater at the site.

A discussion of potential residuals that may be at the site based on past and current site use was presented in Section 6.0. To summarize, MGP residuals include tarry residuals containing volatile compounds, PAHs, and phenolics that may be present in subsurface structures and surrounding soils and may impact soil and groundwater quality. Purifier residuals containing lime, iron oxides, and cyanide may be present on the site. Ammonium sulfate crystals and clinker may also be MGP residuals remaining in the site soils. Lastly, gas oil used in generation of carbureted water gas could be present on the site in subsurface structures or surrounding soils.

Other site uses after the MGP operations ceased may have contributed gasoline, diesel fuel, solvents, xylenes, oil and grease, and other petroleum products. Contaminated soil was identified during a tank removal at 115 Woodworth Avenue (Stevens Paint Corp.). The railroad running through the site may have contributed creosote, oil, or other petroleum products to the property. Additionally, surrounding land use in the immediate vicinity of the site has been industrial/commercial over the years and may also contribute oil, tar, coal, paints, solvents, metals, inks, or dyes to the residuals present at the site. Spills on offsite properties, as recorded in the EDR database, have the potential to impact groundwater quality at the site.

8.2 Potential Exposure Pathways and Receptors

The current and anticipated future use of the Yonkers - Woodworth Ave Works former MGP site is commercial/industrial. The eastern part of the site is covered with asphalt, concrete, or buildings (100 percent). The western part of the site is mostly paved except where trenches have been dug and a long building adjacent and parallel to the tracks. About 95 percent of the site property is covered and construction of a new bakery is taking place.

Visitors to the site and site workers are potential receptors, but since the site is covered the potential for direct contact exposures with surface soil are extremely minimal. The construction workers currently working on the site (or in the future) have a potential of being in direct contact with residuals in surface or subsurface soil.

A potential route of exposure primarily for site workers may be vapor intrusion from volatile constituents in soil or groundwater under the buildings on the site property. There were known subsurface structures on the eastern portion of the site and it is not known whether residuals were removed from these structures. Buildings are currently present over the location of the northernmost subsurface holder and are near the former tar tank. Additionally, the original gas holder on the western portion of the site [Beers, 1868] would have been a subsurface holder. The railroad tracks currently cover a portion of this area, however, it is not certain if they cover the former holder. There is also a building located adjacent to the tracks and it is not known whether this building extends over the former holder location, or if residuals remain in place in this holder. The new building being constructed may also be over subsurface structures that may contain residuals.

Since 100 percent of the site is covered, except for the trenches, leaching of constituents from soil to groundwater is not expected to be a significant pathway. However, constituents already present in subsurface soil or groundwater have the potential to migrate offsite to downgradient properties. The low permeability, silty clay till regionally underlies the area, although sand and gravel were also identified in borings conducted on the eastern portion of the site. Therefore, horizontal and vertical migration of MGP constituents is possible.

Ground water at the site is expected to be shallow. There are no known potable wells on or within 0.25-mile of the site, however, wells do exist within a one-mile radius of the site. Groundwater from these wells is mostly for industrial purposes, with the exception of a public water supply well located 0.5-mile south of the site. This well would likely be at a side-gradient to the site. Based upon regional reports and the onsite investigation, ground water likely discharges to the Hudson River to the west of the site. Due to the fact that the site is so close to the river, it is likely that the river would be an environmental receptor to potentially impacted site ground water. Wetlands are located along the Hudson River west of the site and may also be receptors to impacted site ground water.

Given the current site use, there are no significant environmental habitats (i.e., endangered species, wetlands, etc.) on the site.

The site reconnaissance identified four schools and two, day care centers within ¼ mile of the former MGP site. These facilities can be placed into two groups: those that are located upgradient or side/cross gradient from the

former MGP site and therefore are not within a zone which is likely to be impacted by potential offsite migration of MGP residuals in groundwater, and those that are hydraulically downgradient of the site.

None of the schools or day care centers identified in the records search are downgradient of the former MGP site.

Facilities that are upgradient or cross-gradient from the MGP site include the following:

SCHOOLS
Westchester School-Spcl Chldrn (.12 mi.)
45 Park Ave.
Yonkers, NY 10703-3401

Martin Luther King Elem School (.1 mi.)
135 Locust Hill Ave.
Yonkers, NY 10701-2917

Yonkers Christian Academy (.2 mi.)
229 N Broadway
Yonkers, NY 10701-2600

St Casimir's School (.2 mi.)
239 Nepperhan Ave.
Yonkers, NY 10701-3461

DAY CARE CENTERS
Heavensent Family Day Care (.14 mi.)
120 Locust Hill Ave.
Yonkers, NY 10701-2942

Professional Day Care Ctr (.17 mi)
98 Locust Hill Ave.
Yonkers, NY 10701-2940

9 Discussion and Conclusions

9.1 Summary of Findings

A historical investigation of the Yonkers - Woodworth Avenue Works former MGP site was conducted to determine the history of site ownership and operations of the site, to assess current site use and conditions, and to determine if there are potential receptors to residuals that may be present at the site. This investigation was in accordance with the scope of work agreed to with Con Edison at the initiation of the project.

The Yonkers - Woodworth Avenue Works former MGP operated from at least 1868 until the late 1920s to produce manufactured gas for the City of Yonkers. The exact date the MGP was constructed and began operations could not be established from the available records. According to Brown's Directory and PSC Records, the Yonkers Gas Light Company merged into the Westchester Lighting Company in 1900. The Westchester Lighting Company, became affiliated with Consolidated Gas Company (the predecessor to Con Edison) beginning as early as 1905. The plant was in the process of being dismantled in 1930 and was completely demolished in 1931 according to the PSC Reports. According to Sanborn Maps, the property continued to be used by Westchester Lighting Company until at least the early 1940s.

Following the operations of the MGP, the site property was used for commercial businesses that may have contributed residuals to the site. Surrounding property use in the immediate site area was also industrial/commercial and may have contributed to residuals at the site. The site reconnaissance indicated the site is almost entirely covered with buildings or pavement. There were no visual indications of MGP residuals on the surface of the property; however, the property was only observed from the perimeter.

The western portion of the property is currently under construction. The owner of the property, Greyston Foundation, is currently pursuing an investigation and cleanup, in conjunction with Con Edison, to address subsurface contamination.

Residuals in groundwater and in the subsurface soil were confirmed on the western portion of the site as part of the investigation conducted for the Greyston Foundation [Ecosystems Strategies, Inc., 1999]. Given the past uses of the site, there may be residuals remaining on other portions of the site on the surface, in subsurface structures, in subsurface soil, or in ground water.

The regional geology indicates that the site is underlain by silty clay till, however, boring logs for the site indicate that sand and gravel may also be present. Groundwater is not used on the site, but wells do exist (including a public water supply well) within a one-mile radius of the site.

Potential receptors to residuals remaining on the site include site visitors and workers. Since the whole site surface is covered, direct contact with residuals in the surface soil is extremely minimal, except for construction workers. Construction workers may be exposed to constituents in surface and subsurface soil; this is a current exposure pathway since construction is occurring on the site.

Vapor intrusion into buildings on the site is also a potential exposure pathway, since buildings are present over the location of former subsurface gas holders. The construction of the new Greyston building may also be over the location of former subsurface gas plant structures. However, a deed restriction on the property limits the use to industrial or commercial activities and prohibits the construction of subsurface spaces or structures, other than foundations or necessary utilities.

9.2 Limitations of Findings

9.2.1 General

The completeness and accuracy of the historic information presented in this report are limited by the records that are readily available including Brown's Directory, PSC Records, Sanborn Maps, other historic maps, aerial photographs, etc. The coverage offered by these records may not be complete and there are data gaps in the historic information available pertaining to MGP site ownership and operational periods. To the extent reasonable, additional records searches were conducted to gather as much information regarding the site as possible. Certain records were not readily available for review including city directories, library information, and real estate records. Information regarding the procedures for handling residuals at the site, the dismantling and decommissioning of the gas plant equipment, and subsequent site activities that may have involved removal of soil or subsurface equipment were also not available.

An assessment of the current site conditions was made during the site reconnaissance. Since the site is not currently owned by Con Edison, observations were made only from the perimeter of the site property and the site itself was not walked to make observations.

9.2.2 Roadways

RETEC's interpretation of the relationship between historical MGP operation areas and modern roadways is based on available historical and modern maps. Land surveying and subsurface investigations have not been performed to attempt to mark-out the location of modern and historical features. Because the subsurface environmental conditions at the former MGP sites are currently unknown, our interpretation of roadway relationships and conditions are subject to change based on the acquisition of new data.

The location and orientation of the roadways adjacent to the former Woodworth Avenue MGP site, do not appear to have changed during or after MGP operations at the site except for the following:

- The addition of Alexander Street between the railroad tracks and the Hudson River.
- The extension of Babcock Place west to Alexander Street.
- Bridge construction and additional right-of-ways for the Babcock Place bridge.
- The widening of Alexander Street to accomodate a bus turn-out/turn around area leading up to the Babcock Place bridge.

9.2.3 Mapping of Property Use

Note that the spatial relationship between the historic MGP property and gas production structures and facilities, and the present-day buildings and property could not be exactly determined. The property descriptions from the 1800s deeds were not based on landmarks and references that could be accurately located and compared with the current descriptions of the area.

10 Summary of Historical Research Findings

This section presents a summary of findings of the historical research conducted for the Yonkers - Woodworth Avenue Works former MGP site.

- The MGP site operated from at least 1868 until about 1927 and was decommissioned in 1930-31.

- The MGP site produced coal gas and carbureted water gas. Residuals associated with these processes include tar containing volatile compounds, PAHs, and phenolics, purifier residuals, ammonia residuals, clinker, and gas oil.

- Subsurface structures containing residuals may remain at the site. Information regarding decommissioning of the site or disposition of residuals from MGP operations is not available.

- Other site uses after the MGP operations ceased may have contributed petroleum products, paints, solvents, and xylenes to the residuals present at the site. The railroad on the site may also have contributed creosote, oil, or other petroleum products. Immediately surrounding land use may also have contributed oil, tar, coal, paints, solvents, metals, inks, or dyes to residuals at the site.

- The site is currently used for commercial purposes and surrounding properties are mixed industrial/commercial and residential use.

- Surficial deposits at the site consist of glacial till material comprised of silty clay with occasional boulders. Sand and gravel were also identified as underlying the site.

- Groundwater at the site is expected to be at a depth of 4 to 9.5 feet below ground. Groundwater flow direction is predicted to be to the west towards the Hudson River.

- Potential receptors include site visitors and workers. Direct contact of workers with residuals in surface soil is limited to construction workers; however, vapor intrusion into buildings on the site is a potentially complete exposure pathway. Construction workers may be exposed to residuals in surface and subsurface soil, and this is currently a potentially complete pathway given the construction activities on the western portion of the site. Groundwater containing residuals have the potential to migrate to the offsite downgradient properties and the Hudson River.

11 References

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Ecosystems Strategies, Inc. October 18, 2000. *Workplan For Site Remediation Activities On The Property Located At 104 Ashburton Avenue, City Of Yonkers, Westchester County, New York.*

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Keneally, C., June 2001. Map entitled "Unconsolidated Aquifers, Distinguished by Potential Yields of Wells in Gallons Per Minute, Westchester County, New York." Westchester County Department of Information Technology, Geographic Information Systems.

PSC Reports. The New York Public Service Commission Reports for the years 1907 to 1968.

Sanborn Fire Insurance Maps. Provided to Consolidated Edison by Environmental Data Resources, Inc. for the years 1886, 1898, 1917, 1942, 1951, 1956, 1957, 1978, 1989, 1990, and 1991.

Tables

Table 5-1 Brown's Directory Summary - Yonkers, New York

Year	Company Name	Process	Annual Gas Production (cf)	Gas Holder Capacity (cf)	Byproducts Made/Sold	Service Area Population	Operating Information	Holding and Operating Companies	Financial Reports	Other Brown's Information	Reference Page(s)
Yonkers - Westchester Gas Light Co. (1887 - 1900)											
1887	Westchester Gas Light Co.	Lowe				City pop.-25,000.	Operational information for Westchester Gas Light Co. and Yonkers Gas Light Co. are reported together with that of and Municipal Gas Co. , therefore reports are the same for each site.	United Gas Improvement Co. , Philadelphia, PA			43, 44
1889	Westchester Gas Light Co.	Lowe				City pop.-30,000.	Same as above.	United Gas Improvement Co. , Philadelphia, PA			54
1890	Westchester Gas Light Co.	Lowe	90,000,000			City pop.-33,000.	Same as above.	United Gas Improvement Co. , Philadelphia, PA			87
1891	Westchester Gas Light Co.	Lowe, Granger, Collins	100,000,000 (incl Yonkers Gas Light Co. & Municipal Gas Co.)			City pop.-33,000.	Same as above.	United Gas Improvement Co. , Philadelphia, PA			79
1892	Westchester Gas Light Co.	Lowe, Granger, Collins	105,000,000 (incl Yonkers Gas Light Co. & Municipal Gas Co.)			City pop.-34,000.	Same as above.	United Gas Improvement Co. , Philadelphia, PA			85
1893	Westchester Gas Light Co.	Lowe	114,000,000 (incl Yonkers Gas Light Co. & Municipal Gas Co.)			City pop.-42,033.	Same as above.	United Gas Improvement Co. , Philadelphia, PA			89
1894	Westchester Gas Light Co.	Lowe	120,000,000 (incl Yonkers Gas Light Co. & Municipal Gas Co.)			City pop. - 43,000	Same as above.	Operated by the United Gas Improvement Co. , Philadelphia, PA.			93
1899	Westchester Gas Light Co.	Lowe	200,000,000 (incl Yonkers Gas Light Co. & Municipal Gas Co.)			City pop. - 45,000	Same as above.	Operated by the United Gas Improvement Co. , Philadelphia, PA.			89
1900	Westchester Gas Light Co.	Lowe	212,000,000 (incl Yonkers Gas Light Co. & Municipal Gas Co.)			City pop. - 45,000	Same as above.	Operated by the United Gas Improvement Co. , Philadelphia, PA.			100
Combined Report for Westchester Lighting Co. which operates Yonkers MGP sites											
1901 - 1904	Westchester Lighting Co.						Production information reported in Brown's is for all plants of Westchester Lighting Co. lumped together.			Listed under Yonkers, but refers to Mt. Vernon for all other information (Consolidation of the Yonkers Gas Light Co., Yonkers; Municipal Gas Co., Yonkers; The Westchester Gas Light Co., Yonkers; New York Suburban Gas Co., Mt. Vernon; Westchester Gas & Coke Co., Mt. Vernon; East Chester Electric Co., New Rochelle; Larchmont Electric Light Co., New Rochelle; Port Chester Electric Lighting Co., Port Chester; Pehlam Electric Light and Power Co., CIty Island; and Mt. Kisco Lighting Co., Mt. Kisco).	
1905	Westchester Lighting Co.						Production information reported in Brown's is for all plants of Westchester Lighting Co. lumped together.	Controlled by Consolidated Gas Co., NY	First year financial reports are provided in Brown's Directory is 1905 - Consolidated Gas Company of New York, New York was organized Nov. 11, 1884 as an consolidation of the New York Gas Municipal, Metropolitan, Harlem. Knickerbocker, and Manhattan Gas Light Companies. Since 1899 acquired control of the New Amsterdam Gas, New York Edison, Mutual Gas Light, Standard Gas Light, and the United Electric Light and Power Companies, giving Con. Gas Co. entire control of the power and lightling supply of the borough of Manhattan. Also secured control of the Westchester Lighting Co.	Listed under Yonkers, but refers to Mt. Vernon.	
1906 - 1908	Westchester Lighting Co.						Production information reported in Brown's is for all plants of Westchester Lighting Co. lumped together.	Controlled by Consolidated Gas Co., NY.	Same as above.	Listed under Yonkers, but refers to Mt. Vernon.	
1909-1924	No Listing under Yonkers - see Mt. Vernon						Production information reported in Brown's is for all plants of Westchester Lighting Co. lumped together.	Controlled by Consolidated Gas Co., NY.	Similar information provided on an annual basis for Consolidated Gas Co., focused on Manhattan and Astoria gas plant specifically. 1923 Brown's Directory indicates that additional gasmaking equipment was installed at several stations of the Westchester Lighting Co. (p. 277). At that time, a 20-inch emergency transmission main was installed from a 10-million cf holder at Fordham Rd. & Harlem River in Borough of Manhattan and the City of Yonkers, connecting there with the 20" main from Pelham Plant to Yonkers A5J6Works.	Listed under Mt. Vernon.	Financial reports or Holding and Operating Companies.
1925	Westchester Lighting Company						Production information reported in Brown's is for all plants of Westchester Lighting Co. lumped together.	Controlled by Consolidated Gas Co., NY.		Listed under Yonkers.	
1926	Westchester Lighting Company						Production information reported in Brown's is for all plants of Westchester Lighting Co. lumped together.	Controlled by Consolidated Gas Co., NY.		Listed under Yonkers.	
1927	Westchester Lighting Company						Production information reported in Brown's is for all plants of Westchester Lighting Co. lumped together.	Controlled by Consolidated Gas Co., NY.		Listed under Yonkers.	
1927 - 1952	No Listing under Yonkers - see Mt. Vernon.						Production information reported in Brown's is for all plants of Westchester Lighting Co. lumped together.	Controlled by Consolidated Gas Co., NY and later Consolidated Edison Co., NY.		Listed under Mt. Vernon.	

Table 5-2 Site Ownership Summary - Woodworth Avenue Site - Yonkers, New York

Section	Block	Lot(s)	Utility Owner	Purchased	Sold	Current Owner	Purchased	Other Industrial Activity
2	2100	1	Yonkers Gas Light Company	3/1/1872	----	Insl-x Products Corporation	12/3/1981	Budessa Products Corporation Insl-x Products Corporation
			Westchester Lighting Company	----	7/12/1904			
			New York and Westchester Lighting Company	7/12/1904	10/20/1904			
			Westchester Lighting Company merger with New York and Westchester Lighting Company	10/20/1904	2/27/1946			
2	2100	4	Yonkers Gas Light Company	3/1/1872	----	Stevens Paint Corp.	8/16/1965	115-117 Woodworth Ave. Corp. Stevens Paint Corp.
			Westchester Lighting Company	----	7/12/1904			
			New York and Westchester Lighting Company	7/12/1904	10/20/1904			
			Westchester Lighting Company merger with New York and Westchester Lighting Company	10/20/1904	2/27/1946			
2	2100	10	Yonkers Gas Light Company	11/18/1854	----	95 Woodworth Avenue Realty Corp.	2/14/1986	Servaid Corp. Alfred Laufer Incorporated
			Westchester Lighting Company	----	7/12/1904			
			New York and Westchester Lighting Company	7/12/1904	10/20/1904			
			Westchester Lighting Company merger with New York and Westchester Lighting Company	10/20/1904	2/27/1946			
2	2618	1	The Yonkers Gas Light Company	7/2/1861	----	104 Ashburton Avenue LLC	12/27/2001	Ashburton Terminal Corp., Otis Elevator Company The Port Authority of NY and NJ, Hudson View Associates, LLC, Greyston Foundation, Inc.
			Westchester Lighting Company	----	4/22/1946			
			New York and Westchester Lighting Company	7/12/1904	4/22/1946			
			Westchester Lighting Company merger with New York and Westchester Lighting Company	10/20/1904	4/22/1946			
2	2618	2	The Yonkers Gas Light Company	7/2/1861	----	The Port Authority of NY and NJ	5/8/1985	Ashburton Terminal Corp. Otis Elevator Company The Port Authority of NY and NJ
			Westchester Lighting Company	----	4/22/1946			
			New York and Westchester Lighting Company	7/12/1904	4/22/1946			
			Westchester Lighting Company merger with New York and Westchester Lighting Company	10/20/1904	4/22/1946			
2	2618	200	The Yonkers Gas Light Company	7/1/1872	----	NYSDOT	6/28/1983	Ashburton Terminal Corp. Otis Elevator Company
			Westchester Lighting Company	----	4/22/1946			
			New York and Westchester Lighting Company	7/12/1904	4/22/1946			
			Westchester Lighting Company merger with New York and Westchester Lighting Company	10/20/1904	4/22/1946			
2	7000	1	New York Central and Hudson River Railroad Company	Prior to 1854	---	Metro-North Hudson Division Railroad	Prior to 1854	Railroad
		1 (Partial)	Westchester Lighting Company (Reciprocal exchange of parcels involving additions to Block 2100 - Lot 1 from Block 7000-Lot 1and subtractions from Block 2618 - Lot 1	7/2/1861 (see Block 2618-Lot 1)	1/26/1907			

Note: See Figure 5-2 for location of lots.
This ownership summary is based on the chain-of-title search for the site. Purchase or sale dates listed as "---" indicate gaps in the record.

Table 6-1 Summary of Potential Residuals Associated with Site Use and Offsite Sources

Potential MGP Residuals

- Coal tar and carbureted water gas tar or tar/water mixtures in structures (Volatile Organic Compounds, particularly Benzene, Toluene, Ethlybenzene, and Xylenes (BTEX); Polynuclear Aromatic Hydrocarbons (PAHs))
- Solid constituents (BTEX, PAHs) or non-aqueous phase liquids (NAPLs) in subsurface (from leaks or spills)
- Purifier residuals (cyanide and lime)
- Metals in soil or groundwater
- Fuel oil (used in carbureted water gas process)
- Coke/Clinker

Potential Residuals from Other Site Uses

- Oil and grease
- Creosote
- Gasoline
- Diesel oil
- Paints
- Solvents
- Xylenes
- Other petroleum products

Potential Residuals from Off-Site Sources

- Based on known onsite or upgradient leaks or spills from EDR Database:
  - #2 Fuel oil
  - #4 Fuel oil
  - Diesel fuel
  - Other product
- Based on surrounding land use:
  - Oil
  - Tar
  - Coal
  - Paints
  - Solvents
  - Metals
  - Inks or dyes

Figures

Appendix A - History Research Report Checklist

Appendix B - Site Reconnaissance Photographic Log

Appendix C - EDR Radius Map Report

Appendix D - Chain-of-Title Search Results

Appendix E - Sanborn Maps

Appendix F - Historical Maps

Appendix C

EDR Report

(Provided on CD)

Appendix D

Representative Site Photographs

Photo Log Index

Photo No. 1 – Geoprobe Rig Set up at SB-106 during SC drilling activities. 1
Photo No. 2 – Geoprobe Rig Set up at SB-112/MW-107 prior to drilling. 1
Photo No. 3 – Handclearing of SB-105/MW-102. 2
Photo No. 4 – Test pit excavation of Former Tar Tank/Holder Number 2 in TP-102. 2
Photo No. 5 – Preclearing of SB-118. NAPL observed on breaker bar. 3
Photo No. 6 – Completion of TP-105 repair during night work. 3
Photo No. 7 – Completing SV extraction point with bentonite. 4
Photo No. 8 – Geoprobe samples collected from SB-108. 4
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Representative Site Photographs
Woodworth Avenue Works Former MGP
Site Characterization
March 2020



Photo No. 1 – Geoprobe Rig Set up at SB-106 during SC drilling activities.



Photo No. 2 – Geoprobe Rig Set up at SB-112/MW-107 prior to drilling.



Photo No. 3 – Handclearing of SB-105/MW-102.



Photo No. 4 – Test pit excavation of Former Tar Tank/Holder Number 2 in TP-102.



Photo No. 5 – Preclearing of SB-118. NAPL observed on breaker bar.

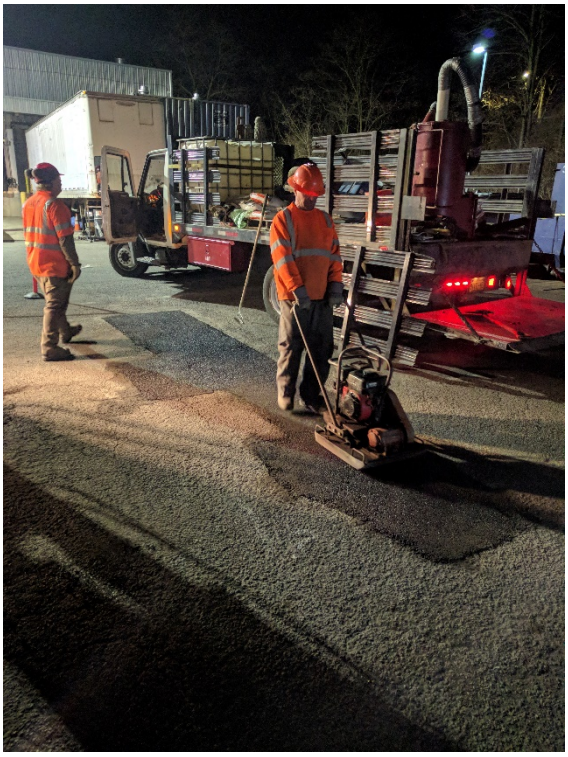


Photo No. 6 – Completion of TP-105 repair during night work.



Photo No. 7 – Completing SV extraction point with bentonite.



Photo No. 8 – Geoprobe samples collected from SB-108.



Photo No. 9 – Photograph of water/ product from SB-111 groundwater grab sample.



Photo No. 10 –Sonic Drilling rig setup at SB-125.



Photo No. 11 – Sonic rig core samples from SB-130 from 0.0-30.0 feet.



Photo No. 12 – Sonic rig core sample from SB-131 from 0.0-30.0 feet.



Photo No. 13 – Removal of remaining drums on Eastern parcel.



Photo No. 14 – Removal of drum pad on eastern parcel.

Appendix E

Soil Boring Logs

GEI Consultants, Inc., P.C.
455 Winding Brook Drive
Glastonbury, CT 06033
(860) 368-5300

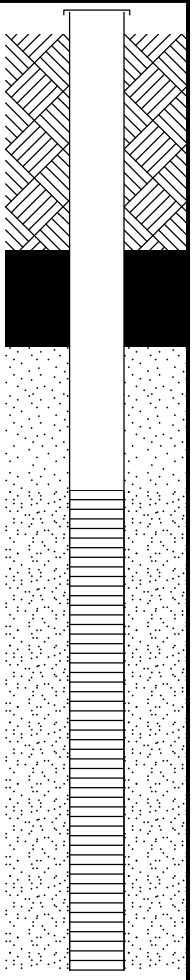
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-101/MW-101

GROUND SURFACE ELEVATION (FT): 35.774
LOCATION: 119 Woodworth Ave, Yonkers, NY
NORTHING: 768357.8895 **EASTING:** 658194.7032
TOTAL DEPTH (FT): 26.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/23/2019 - 4/24/2019
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT): ▼ 10.48 5/16/2019

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	5					(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5	S2	5.0	1	7.3 6.6				(5'- 10') POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM); moist, brown.
10 ▼	S3	5.0	1.5	1.5 3.0 2.3			SB-101 (9.5-10.0)	(10'- 15') POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM); moist, brown.
15	S4	5.0	2.5	2.5 1.0 0.2 0.6 1.8 5.0			SB-101 (18.0-18.5)	(15'- 18.5') WELL GRADED SAND WITH SILT (SW-SM); moist, brown. (18.5' - 20.0') PEBBLES AND ROCK FRAGMENTS
20	S5	5.0	3	4.7 8.9 21.8 11.5				(20'- 25') POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM); wet, brown.

WELL CONSTRUCTION DETAILS



NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING
ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

GEI Consultants

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455 Winding Brook Drive
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CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-101/MW-101

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25	S6	1.0	0	17.78			SB-101 (24.5-25.0)	(25'-26') NO RECOVERY	
								Refusal at 26.0 feet. Bottom of borehole at 26.0 feet. Soil Boring Terminated at Refusal (bedrock)	

NOTES:

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 1
SB-102

GROUND SURFACE ELEVATION (FT): 25.6846
LOCATION: 119 Woodworth Ave, Yonkers, NY
NORTHING: 768366.8567 **EASTING:** 658117.8109
TOTAL DEPTH (FT): 22.50
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/5/2019 - 4/5/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5	S2	5.0	0.3						(5'- 10') SANDY SILT WITH GRAVEL (ML); brown.
10		5.0	2.3	0.0 0.0 0.0 0.0 0.0 0.0					(10'- 15') SANDY SILT WITH GRAVEL (ML); brown.
15	S3	5.0	2	0.0 0.0 0.0 0.0 0.0				SB-102 (18.5-19.0)	(15'- 20') POORLY GRADED SAND WITH GRAVEL (SP); brown.
20	S4	2.5	1	0.0 0.5 0.9 9.6			NLO	SB-102 (22.0-22.5)	(20'- 22.5') SILT (ML); strong naphthalene-like odor, brown, sheen. Refusal at 22.5 feet. Bottom of borehole at 22.5 feet. Soil Boring Terminated at Refusal (bedrock)

NOTES:

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 1
SB-103

GROUND SURFACE ELEVATION (FT): 25.035
LOCATION: 119 Woodworth Ave, Yonkers, NY
NORTHING: 768334.6403 **EASTING:** 658121.7355
TOTAL DEPTH (FT): 20.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/5/2019 - 4/5/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	2						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
				3.7					(4'- 4.5') SILTY SAND (SM); brown.
				15.0			NLO	SB-103 (4.5-5.0)	(4.5'- 5') SILTY SAND (SM); strong naphthalene-like odor, brown.
5	S2	5.0	1.5						(5'- 8') WELL GRADED SAND WITH SILT (SW-SM); brown.
				65					
				366					(8'- 10') SILT WITH SAND (ML); reddish brown, red brick (FILL).
				1155				SB-103 (9.5-10.0)	
10	S3	5.0	3						(10'- 15') SILT WITH SAND (ML); reddish brown.
				1007					
				926					
				147					
				103					
				97					
15	S4	5.0	4.5	379					(15'- 18') SILT WITH SAND (ML); reddish brown.
				356					
				105					
				350					(18'- 18.5') SILT (ML); brown.
				302				SB-103 (18.5-19.0)	(18.5' - 20.0') RED BRICK
				305					
20									Refusal at 20.0 feet. Bottom of borehole at 20.0 feet. Soil Boring Terminated at Refusal (bedrock)

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BORING LOG
PAGE 1 of 1
SB-104

GROUND SURFACE ELEVATION (FT): 24.8452
LOCATION: 119 Woodworth Ave, Yonkers, NY
NORTHING: 768278.1765 **EASTING:** 658100.8306
TOTAL DEPTH (FT): 17.50
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/5/2019 - 4/5/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5	S2	5.0	1	16.7					(5'- 9.5') SILTY SAND WITH GRAVEL; brown.
				23.2			NLO		(9.5'- 10') SILTY SAND WITH GRAVEL; slight naphthalene-like odor, brown.
10	S3	5.0	2						(10'- 14.5') SANDY SILT WITH GRAVEL; reddish brown.
				9.7				SB-104 (11.5-12.0)	
				3.2					
				4.7					
				3.1					
15	S4	2.5	2						(15'- 17') SANDY SILT WITH GRAVEL; brown.
				20.1					
				24.5					
				28.9				SB-104 (17.0-17.5)	(17.0' - 17.5') OLD / WORN CONCRETE Refusal at 17.5 feet. Bottom of borehole at 17.5 feet. Soil Boring Terminated at Refusal (possible holding tank)

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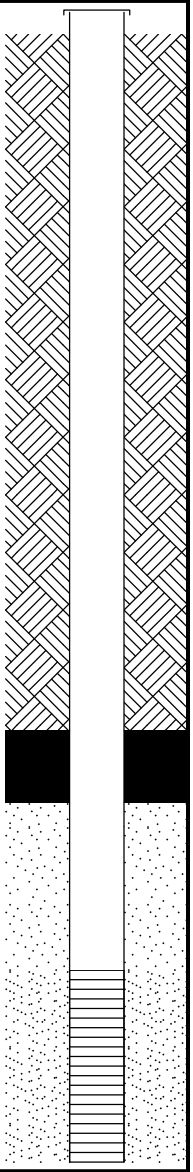
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-105/MW-102

GROUND SURFACE ELEVATION (FT): 24.7477 **LOCATION:** 119 Woodworth Ave, Yonkers, NY
NORTHING: 768309.7773 **EASTING:** 658054.0144 **TOTAL DEPTH (FT):** 32.00
DRILLED BY: ADT **DATUM VERT. / HORZ.:** NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur **DATE START / END:** 4/8/2019 - 4/11/2019
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT): ▼ 13.64 5/16/2019

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5	S2	5.0	2.5	515 544 240 1525 2547				SB-105 (9.0-9.5)	(5'- 8') SANDY SILT (ML); black, paint/solvent-like odor. (8'- 10') SANDY SILT (ML); black, paint/solvent-like odor.
10	S3	5.0	3	58.2 105 395 491 1010					(10'- 14') SILTY SAND (SM); brown black, sweet odor. (14'- 15') SILTY SAND (SM); brown black, sweet odor, stained at 14.5'.
15	S4	5.0	3.5	65 1167 2885 304 164 242				SB-105 (18.0-18.5)	(15'- 19.5') SILTY SAND (SM); brown black, sweet odor.
20	S5	5.0	4	871 105 164 107 381 351 277			NLO		(19.5'- 20') SILTY SAND (SM); brown black, NAPL blebs and staining, sweet odor. (20'- 24') SANDY SILT (ML); moderate naphthalene-like odor, brown black, NAPL sheen present at 21', sheen and blebs of NAPL at 21.5'.

WELL CONSTRUCTION DETAILS



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CITY/STATE: Yonkers, NY
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BORING LOG
PAGE 2 of 2
SB-105/MW-102

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
				588			NLO	SB-105 (24.0-24.5)	(24'- 24.5') SANDY SILT (ML); moderate naphthalene-like odor, brown black, solid NAPL.	
				1406			NLO		(24.5'- 25') SANDY SILT (ML); moderate naphthalene-like odor, brown black, staining, blebs.	
25	S6	5.0	3				NLO		(25'- 27') SANDY SILT (ML); strong naphthalene-like odor, brown black.	
				293			NLO		(27'- 28') SANDY SILT (ML); strong naphthalene-like odor, brown black, sheen, blebs.	
				175					(28'- 30') SANDY SILT (ML); strong naphthalene-like odor, brown black.	
				420			NLO		(30'- 32') SANDY SILT (ML); strong naphthalene-like odor, brown, blebs, stained.	
				346						
				314						
30				347						
	S7	2.0	1				NLO			
				77				SB-105 (31.5-32.0)	Refusal at 32.0 feet. Bottom of borehole at 32.0 feet. Soil Boring Terminated at Refusal (bedrock)	

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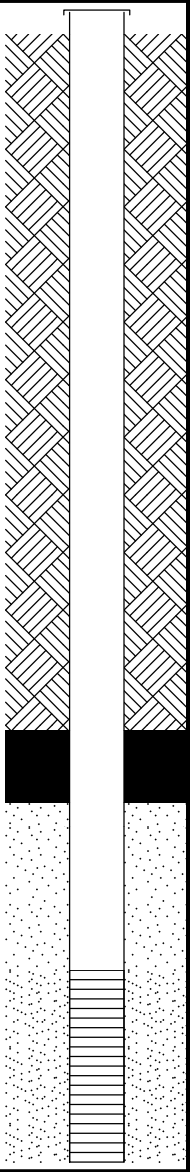
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-106/MW-103

GROUND SURFACE ELEVATION (FT): 23.3822
LOCATION: 119 Woodworth Ave, Yonkers, NY
NORTHING: 768242.1325 **EASTING:** 658054.4289
TOTAL DEPTH (FT): 32.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/8/2019 - 4/11/2019
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT): ▼ 13.14 5/16/2019

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5	S2	5.0	3	0.0 0.0 2.1 1.7 1.8 0.7					(5'- 10') FILL SILTY SAND (SM); brown black, red brick.
10	S3	5.0	2	1.7 70.0					(10'- 14.8') POORLY GRADED SAND (SP); brown.
15	S4	5.0	4	374 1.0 10.3 34.1 207 346 413 190 319			NLO NLO NLO NLO		(14.8'- 15') SILTY SAND (SM); strong naphthalene-like odor, brown black. (15'- 17') SILTY SAND (SM); brown. (17'- 17.5') SILTY SAND WITH GRAVEL (SM); strong naphthalene-like odor, brown. (17.5'- 19') SILTY SAND WITH GRAVEL (SM); strong naphthalene-like odor, brown black, NAPL sheen present.
20	S5	5.0	3	47.0 10.7 98.0 178			NLO	SB-106 (21.0-21.5)	(19.5'- 20') SILTY SAND WITH GRAVEL (SM); strong naphthalene-like odor, brown black, NAPL blebs and coated grains. (20'- 24') POORLY GRADED GRAVEL WITH SILT AND SAND (GP-GM); strong naphthalene-like odor, brown, sheen.

WELL CONSTRUCTION DETAILS



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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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BORING LOG

SB-106/MW-103

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
				283			NLO		(24'- 25') SILTY SAND WITH GRAVEL (SM); strong naphthalene-like odor, brown, NAPL blebs and coated grains.	
				348						
25	S6	5.0	4	345					(25'- 29') SILT (ML); strong naphthalene-like odor, brown, NAPL blebs and some coated grains. sheen.	
				570						
				825			NLO	SB-106 (26.5-27.0)		
				671						
				471						
				375						
				296						
				354			NLO		(29'- 30') SILT (ML); moderate naphthalene-like odor, reddish brown.	
				160						
30	S7	2.0	1						(30'- 31.5') SILTY SAND (SM); reddish brown.	
				77						
				67				SB-106 (31.5-32.0)	(31.5'- 32') SILTY SAND WITH GRAVEL (SM); reddish brown.	
									Refusal at 32.0 feet.	
									Bottom of borehole at 32.0 feet.	
									Soil Boring Terminated at Refusal (bedrock)	

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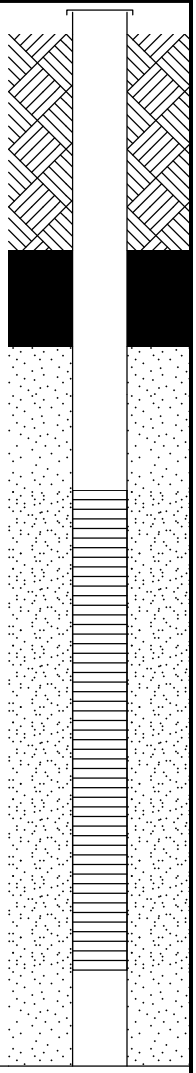
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 1
SB-107/MW-104

GROUND SURFACE ELEVATION (FT): 32.1495
LOCATION: 115 Woodworth Ave, Yonkers, NY
NORTHING: 768208.7625 **EASTING:** 658172.4952
TOTAL DEPTH (FT): 22.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/12/2019 - 4/12/2019
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT): ▼ 9.11 5/16/2019

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5	S2	5.0	4						(5'- 7') SANDY SILT WITH GRAVEL (ML); wet, brown.
				0.0					(7'- 7.5') SANDY SILT (ML); wet, brown.
				47.5					(7.5'- 8') SILT WITH SAND (ML); wet,
				136				SB-107(8.0-8.5)	brownish black.
▼				59			NLO		(8'- 8.5') SILT WITH SAND (ML); wet, reddish brown.
				35.9			NLO		
10				103.1					(8.5'- 9') SILT WITH SAND (ML); moderate naphthalene-like odor, wet, black, slight petroleum-like odor, stained.
	S3	5.0	2	44.5			NLO		(9'- 10') SILT WITH SAND (ML); slight naphthalene-like odor, wet, black, strong petroleum-like odor, partially NAPL coated.
				15.9					(10'- 13.5') SANDY SILT (ML); slight naphthalene-like odor, wet, blackish brown, strong petroleum-like odor, NAPL coated.
				42.7			NLO		
				133			NLO		
15				62.6					
	S4	5.0	4	137.9			NLO		(13.5'- 14') SANDY SILT (ML); moderate naphthalene-like odor, wet, blackish brown, NAPL coated.
				107					(14'- 15') SANDY SILT (ML); strong naphthalene-like odor, wet, blackish brown, NAPL coated.
				97					(15'- 18') SANDY SILT (ML); strong naphthalene-like odor, wet, blackish brown.
				171			NLO	SB-107 (18.0-18.5)	
				102					(18'- 20') SANDY SILT (ML); strong naphthalene-like odor, wet, blackish brown, fully NAPL-coated lens.
				167					
20				164					
	S5	2.0	1.5	207			NLO	SB-107 (20.5-21.0)	(20'- 22') SANDY SILT (ML); strong naphthalene-like odor, wet, blackish brown, NAPL-coated lens.
				98					
									Refusal at 22.0 feet. Bottom of borehole at 22.0 feet. Soil Boring Terminated at Refusal (bedrock)

WELL CONSTRUCTION DETAILS



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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 1
SB-108

GROUND SURFACE ELEVATION (FT): 28.8569
LOCATION: 95 Woodworth Ave, Yonkers, NY
NORTHING: 768182.4478 **EASTING:** 658146.0468
TOTAL DEPTH (FT): 19.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/9/2019 - 4/9/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	1						(0'-0.5') ASPHALT (0.5'-7') HISTORICAL FILL
								SB-108 (2.0-2.5)	
5	S2	5.0	4	17.4					
				9.5			NLO		(6' - 8.5') COAL; strong petroleum-like odors, black.
				40					
				66			NLO		(8.5' - 10') COAL; thick substance, highly viscous, strong napthalene-like odor, black.
				266					
				135					
10	S3	5.0	3	394					(10' - 15') COAL; thick substance, highly viscous, strong napthalene-like odor, black.
							NLO		
				275					
				205					
				265					
				163					
15	S4	4.0	3	285					(15' - 17') COAL; thick substance, highly viscous, strong napthalene-like odor, black.
				257			NLO		
				320					(17' - 19') COAL; highly viscous, tar like, strong napthalene-like odor, black.
				380			NLO	SB-108 (18.5-19.0)	
									Refusal at 19.0 feet. Bottom of borehole at 19.0 feet. Soil Boring Terminated at Refusal (possible holding tank)

NOTES:

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FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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(860) 368-5300

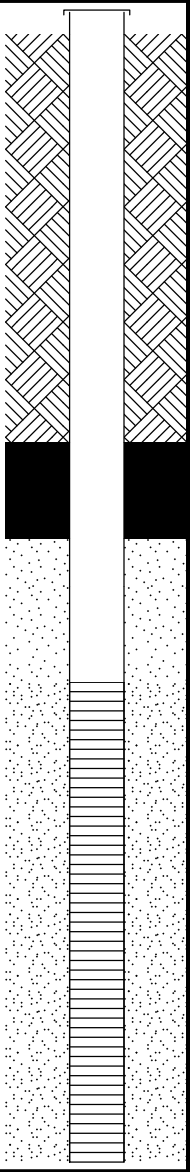
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-109/MW-105

GROUND SURFACE ELEVATION (FT): 28.3648
LOCATION: 95 Woodworth Ave, Yonkers, NY
NORTHING: 768159.0934 **EASTING:** 658131.3286
TOTAL DEPTH (FT): 30.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/10/2019 - 4/10/2019
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT): ▼ 11.61 5/16/2019

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5	S2	5.0	2.5	1.7 1.6 1.1 1.2 3.0					(5'- 10') SILT (ML); moist, reddish brown.
10	S3	5.0	3.5	1.2 2.0 1.4 6.1 19 22 195			NLO NLO NLO	SB-109 (13.5-14.0)	(10'- 12') SILT (ML); moist, reddish brown. (12'- 12.5') SILT (ML); moist, grayish brown. (12.5'- 13.5') SILT (ML); moderate naphthalene-like odor, moist, grayish brown. (13.5'- 14') SILT (ML); moderate naphthalene-like odor, moist, grayish brown, NAPL coated lens.
15	S4	5.0	4	220 180 249 325 101 87 297 109 374			NLO NLO NLO	SB-109 (17.0-17.5)	(14'- 14.5') SILT (ML); strong naphthalene-like odor, moist, grayish brown, NAPL coated lens. (14.5'- 15') WELL GRADED SAND WITH SILT (SW-SM); strong naphthalene-like odor, black, lightly NAPL coated. (15'- 17') WELL GRADED SAND (SW); strong naphthalene-like odor, black, NAPL coated.
20	S5	5.0	4	99 177 127 374 135 390			NLO NLO NLO		(17'- 18') SILT (ML); strong naphthalene-like odor, gray, stained, NAPL coated lens. (18'- 20') SILT (ML); strong naphthalene-like odor, gray, large NAPL coated lens. (20'- 21.5') SILT (ML); strong naphthalene-like odor, reddish brown,

WELL CONSTRUCTION DETAILS



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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-109/MW-105

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25	S6	5.0	3.5	98 69 236 172 278 273 116 122 169 132			NLO NLO NLO NLO	SB-109 (29.5-30.0)	Stained. (21.5'- 22') SILT (ML); strong naphthalene-like odor, reddish brown, stained, NAPL coated sand lens. (22'- 22.5') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); strong naphthalene-like odor, brown, Stained. (22.5'- 24') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); strong naphthalene-like odor, brown, NAPL coated lens. (24'- 25') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); strong naphthalene-like odor, brown, NAPL coated lens. (25'- 27') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); strong naphthalene-like odor, grayish brown, Stained. (27'- 29') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); strong naphthalene-like odor, grayish brown, NAPL coated lens. (29'- 30') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); strong naphthalene-like odor, grayish brown, stained, NAPL coated lens. Refusal at 30.0 feet. Bottom of borehole at 30.0 feet. Soil Boring Terminated at Refusal	
30										

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-110

GROUND SURFACE ELEVATION (FT): 28.4845 **LOCATION:** 95 Woodworth Ave, Yonkers, NY
NORTHING: 768183.9881 **EASTING:** 658108.0699 **TOTAL DEPTH (FT):** 27.50
DRILLED BY: ADT **DATUM VERT. / HORZ.:** NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur **DATE START / END:** 4/10/2019 - 4/10/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0						(0'-0.5') CONCRETE (0.5'-5') HISTORICAL FILL
5	S2	5.0	3	0.0 0.0 0.0 0.0 0.0 0.0			NLO		(5'- 7.5') SILTY SAND WITH GRAVEL (SM); brown. (7.5'- 8.5') SILTY SAND WITH GRAVEL (SM); wet, brown. (8.5'- 9') White rock. (9'- 10') SANDY SILT (ML); slight naphthalene-like odor, moist, blackish brown.
10	S3	5.0	4	0.8 0.2 14.8 34.3 54.4 104 0.4			NLO NLO NLO		(10'- 12') SANDY SILT WITH GRAVEL (ML); slight naphthalene-like odor, moist, blackish brown. (12'- 12.5') SANDY SILT (ML); slight naphthalene-like odor, moist, reddish brown. (12.5'- 15') SILTY SAND (SM); strong naphthalene-like odor, moist, brown, Staining.
15	S4	5.0	5	166 99.8 277 335 245 98 315 219 259			NLO NLO NLO NLO NLO	SB-110 (16.0-16.5)	(15'- 16') SILT (ML); strong naphthalene-like odor, moist, brown, Staining. (16'- 18.5') SILT (ML); strong naphthalene-like odor, moist, brown, stained, NAPL-coated lens / NAPL coated. (18.5'- 19') SILTY SAND (SM); strong naphthalene-like odor, moist, brownish black, NAPL saturated. (19'- 19.5') SILT (ML); strong naphthalene-like odor, moist, brown, NAPL coated.
20	S5	5.0	3	379 75 45			NLO NLO	SB-110 (19.5-20.0)	(19.5'- 20') SANDY SILT (ML); strong naphthalene-like odor, moist, brown, NAPL coated. (20'- 23') SILT (ML); strong naphthalene-like odor, moist, brown, NAPL coated. (23'- 24') SILT (ML); strong naphthalene-like odor, wet, reddish, NAPL coated lenses and blebs.

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-110

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
				64					(24'- 25') SILT (ML); strong naphthalene-like odor, wet, reddish, NAPL stained.
				39			NLO		
25	S6	2.5	2.5	68					(25'- 27') SILTY SAND WITH GRAVEL (SM); strong naphthalene-like odor, moist, reddish brown, NAPL stained, NAPL coated lenses.
				35					
				280			NLO		
				293					
				205			NLO	SB-110 (27.0-27.5)	(27'- 27.5') SILTY SAND WITH GRAVEL (SM); strong naphthalene-like odor, moist, reddish brown, NAPL stained, NAPL coated lenses.
				288					Refusal at 27.5 feet.
									Bottom of borehole at 27.5 feet.
									Soil Boring Terminated at Refusal (bedrock)

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GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 1
SB-111

GROUND SURFACE ELEVATION (FT): 8.1105
LOCATION: 95 Woodworth Ave, Yonkers, NY
NORTHING: 768076.6105 **EASTING:** 658034.7101
TOTAL DEPTH (FT): 5.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/15/2019 - 4/15/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	1.5				PLO		(0'-3.5') HISTORICAL FILL; strong petroleum-like odor, brown.
							PLO		(3.5'-4') HARD ROCK; strong petroleum-like odor, brown.
				16.8			PLO		(4'- 4.5') WELL GRADED GRAVEL WITH SAND (GW); strong petroleum-like odor, wet, brownish black.
5				290			PLO	SB-111 (4.5-5.0)	(4.5'- 5') SILTY SAND (SM); strong petroleum-like odor, moist, brown.
				289					Refusal at 5.0 feet.
									Bottom of borehole at 5.0 feet.
									Soil Boring Terminated at Refusal

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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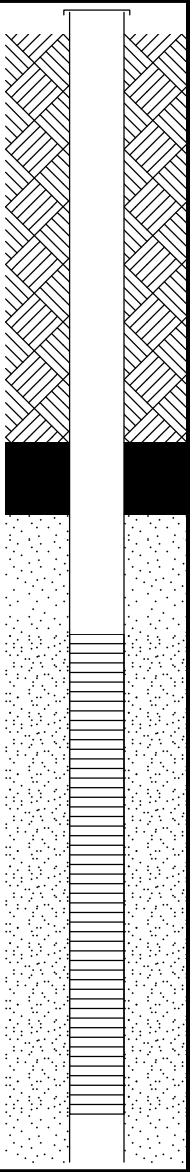
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-112/MW-107

GROUND SURFACE ELEVATION (FT): 8.7986 **LOCATION:** 104 Alexander St, Yonkers, NY
NORTHING: 768284.3347 **EASTING:** 657843.3043 **TOTAL DEPTH (FT):** 25.00
DRILLED BY: ADT **DATUM VERT. / HORZ.:** NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur **DATE START / END:** 4/17/2019 - 4/17/2019
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT): ▼ 3.36 5/16/2019

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0									(0'- 5') FILL.
5	S1	5.0	2.5	114 47 73 155 130			NLO NLO NLO	SB-112 (9.0-9.5)	(5'- 8.5') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); moderate naphthalene-like odor, wet, brown, moderate petroleum-like odors, fully NAPL coated. (8.5'- 9.5') WELL GRADED SAND WITH SILT (SW-SM); moderate naphthalene-like odor, wet, brownish black, moderate petroleum-like odors, fully NAPL coated.
10	S2	5.0	5	93 153 154 137			NLO		(9.5'- 10') WELL GRADED SAND (SW); moderate naphthalene-like odor, wet, reddish brown, moderate petroleum-like odors, fully NAPL coated. (10'- 15') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); moderate naphthalene-like odor, wet, black, strong petroleum-like odors, fully NAPL coated.
15	S3	5.0	0						(15'-20') NO RECOVERY
20	S4	5.0	1				NLO		(20'- 24') PEAT; strong naphthalene-like odor, moist, black, Stained.

WELL CONSTRUCTION DETAILS



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BORING LOG

SB-112/MW-107

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25				107 52 0.0			NLO	SB-112 (24.0-24.5) SB-112 (24.5-25.0)	(24'- 24.5') PEAT; slight naphthalene-like odor, moist, black. (24.5'- 25') PEAT; moist, black. Refusal at 25.0 feet. Bottom of borehole at 25.0 feet. Soil Boring Terminated at Peat	

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BORING LOG
PAGE 1 of 1
SB-113

GROUND SURFACE ELEVATION (FT): 6.5214
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768145.4665 **EASTING:** 657873.6369
TOTAL DEPTH (FT): 20.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/16/2019 - 4/16/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1							SB-113 (2.5-3.0)	(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5	S2	5.0	2	25			PLO		(5'- 9') SILTY SAND WITH GRAVEL (SM); strong petroleum-like odor, wet, black brown.
				116					
				146			PLO	SB-113 (9.0-9.5)	(9'- 10') SANDY SILT WITH GRAVEL (ML); strong petroleum-like odor, reddish brown, red brick fragments, sheen, lightly coated grains.
10	S3	5.0	1	350					
				183			NLO		(10'- 15') SILTY SAND WITH GRAVEL (SM); slight naphthalene-like odor, black.
15	S4	5.0	3.5				NLO		(15'- 17') WELL GRADED SAND (SW); strong naphthalene-like odor, black, moderately NAPL coated.
				73					
				102			NLO		(17'- 18') SANDY SILT WITH GRAVEL (ML); strong naphthalene-like odor, black, fully NAPL coated.
				93			NLO		
				157			NLO	SB-113 (18-18.5)	(18'- 18.5') SILT (ML); strong naphthalene-like odor, black brown, NAPL saturated.
				133			NLO		
				67			NLO		(18.5'- 19') PEAT; strong naphthalene-like odor, black.
				32.8					(19'- 19.5') PEAT; slight naphthalene-like odor, black.
20				36.5				SB-113 (19.5-20)	(19.5'- 20') PEAT; black. Refusal at 20.0 feet. Bottom of borehole at 20.0 feet. Soil Boring Terminated at Refusal

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
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BORING LOG
PAGE 1 of 1
SB-114

GROUND SURFACE ELEVATION (FT): 6.6599
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768146.6083 **EASTING:** 657828.266
TOTAL DEPTH (FT): 13.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/23/2019 - 4/23/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1						PLO		(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL; strong petroleum-like odor.
5	S2	5.0	2				PLO		(5'- 8.5') WELL GRADED GRAVEL WITH SAND (GW); strong petroleum-like odor, brown.
				1776			PLO		(8.5'- 9') WELL GRADED GRAVEL WITH SAND (GW); slight petroleum-like odor, brown.
				397			NLO		(9'- 9.5') SANDY SILT WITH GRAVEL (ML); slight naphthalene-like odor, brown.
				368			NLO		(9.5'- 10') SANDY SILT (ML); strong naphthalene-like odor, brown gray, Slightly stained.
10	S3	3.0	0	379				SB-114 (9.5-10)	(10'- 13') POSSIBLE WOOD.
				399					Refusal at 13.0 feet. Bottom of borehole at 13.0 feet. Soil Boring Terminated at Refusal

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GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 1
SB-115

GROUND SURFACE ELEVATION (FT): 6.7766
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768126.2205 **EASTING:** 657802.7171
TOTAL DEPTH (FT): 13.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/23/2019 - 4/23/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0					SB-115 (2.5-3.0)	(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5	S2	5.0	1	375			PLO		(5'- 9.5') SILTY SAND WITH GRAVEL (SM); strong petroleum-like odor, black, LNAPL sheen.
10	S3	3.0	1	235 375			PLO		(9.5'- 10') WELL GRADED GRAVEL WITH SAND (GW); strong petroleum-like odor. (10'- 12.5') WELL GRADED GRAVEL (GW). (12.5'- 13') ROCK WITH POSSIBLE WOOD. Refusal at 13.0 feet. Bottom of borehole at 13.0 feet. Soil Boring Terminated at Refusal

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 1
SB-116

GROUND SURFACE ELEVATION (FT): 5.8449 **LOCATION:** 104 Alexander St, Yonkers, NY
NORTHING: 768101.7965 **EASTING:** 657872.9632 **TOTAL DEPTH (FT):** 13.00
DRILLED BY: ADT **DATUM VERT. / HORZ.:** NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur **DATE START / END:** 4/23/2019 - 4/23/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0					SB-116 (3.5-4.0)	(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5	S2	5.0	0						(5'-10') NO RECOVERY
10	S3	3.0	1	99			PLO		(10'- 12.5') WELL GRADED SAND (SW); strong petroleum-like odor, black.
				556 209				SB-116 (12.0-12.5)	(12.5'- 13') WELL GRADED GRAVEL WITH SAND (GW). Refusal at 13.0 feet. Bottom of borehole at 13.0 feet. Soil Boring Terminated at Refusal

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING
ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

GEI Consultants, Inc., P.C.
455 Winding Brook Drive
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-117/MW-108

GROUND SURFACE ELEVATION (FT): 7.9085
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768385.3337 **EASTING:** 657882.2478
TOTAL DEPTH (FT): 25.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/16/2019 - 4/16/2019
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
0	S1								(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL	
								SB-117 (4.0-4.5)		
5	S2	5.0	2.5						(5'- 7.5') SILTY SAND WITH GRAVEL (SM); wet, brownish black.	
				0.8			PLO		(7.5'- 8') SILTY SAND WITH GRAVEL (SM); slight petroleum-like odor, wet, brownish black.	
				0.0				SB-113 (8.5-9.0)		
				0.5					(8'- 10') SILTY SAND WITH GRAVEL (SM); wet, brownish black.	
				0.4						
10				0.5						
	S3	5.0	0	0.7					(10'-15') NO RECOVERY	
15	S4	5.0	0.5						(15'- 20') WELL GRADED SAND (SP); strong naphthalene-like odor, wet, lightly NAPL coated grains.	
							NLO			
				40.5						
20	S5	5.0	4						(20'- 22') POORLY GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, wet, NAPL coated grains, contains white shell fragments.	
				115			NLO			
				163						
				71			NLO	SB-113 (22.0-22.5)	(22'- 22.5') SILT (ML); strong naphthalene-like odor, wet, NAPL saturated.	
				62			NLO			
				77			NLO		(22.5'- 23') SANDY ORGANIC SOIL (OH);	
				65						

NOTES:

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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BORING LOG

SB-117/MW-108

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25				154 15			NLO	SB-113 (24.0-24.5)	strong naphthalene-like odor, wet, NAPL saturated. (23'- 24.5') PEAT; moderate naphthalene-like odor, moist. (24.5'- 25') PEAT; moist. Refusal at 25.0 feet. Bottom of borehole at 25.0 feet. Soil Boring Terminated at Peat	

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PID = PHOTOIONIZATION DETECTOR READING

ppm = PARTS PER MILLION
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FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 1
SB-118

GROUND SURFACE ELEVATION (FT): 7.2655
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768251.4664 **EASTING:** 657887.7937
TOTAL DEPTH (FT): 13.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/15/2019 - 4/15/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0						(0'- 3.5') FILL.
							NLO	SB-118 (3.5-4.0)	(3.5'- 5') FILL; strong naphthalene-like odor, NAPL saturated.
5	S2	5.0	3	51 198 235 242 393 220			NLO		(5'- 10') WELL GRADED GRAVEL WITH SAND (GW); strong naphthalene-like odor, black, NAPL saturated.
10	S3	3.0	2.5	146 447 453 224 360			NLO NLO	SB-118 (9.0-9.5)	(10'- 11') WELL GRADED GRAVEL WITH SAND (GW); strong naphthalene-like odor, black, NAPL saturated. (11'- 13') WELL GRADED SAND WITH GRAVEL (SW); strong naphthalene-like odor, blackish brown, NAPL saturated, wood pilings at 13'.

Refusal at 13.0 feet.
Bottom of borehole at 13.0 feet.
Soil Boring Terminated at Refusal

NOTES:

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REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING
ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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455 Winding Brook Drive
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CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 1
SB-118 (alternate)

GROUND SURFACE ELEVATION (FT): 7.2655
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768251.4664 **EASTING:** 657887.7937
TOTAL DEPTH (FT): 20.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/23/2019 - 4/23/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0									(0'- 5') FILL.
5	S1	5.0	1	4200			NLO	SB-118 (9.0-9.5)	(5'- 9.5') WELL GRADED SAND (SW); strong naphthalene-like odor, black, highly viscous NAPL-tar.
				1240			NLO		
10	S2	5.0	2.5	813			NLO		(9.5'- 10') SILT (ML); strong naphthalene-like odor, reddish gray, red brick fragments present, fully NAPL saturated. (10'- 15') WELL GRADED SAND WITH SILT (SW-SM); strong naphthalene-like odor, gray, NAPL saturated.
				719					
				538					
				420					
15	S3	5.0	3	388					
				972					(15'- 19') WELL GRADED SAND (SW); strong naphthalene-like odor, black, fully NAPL saturated.
				1537			NLO		
				1520					
				2260					
				1670					
				990			NLO		(19'- 19.5') PEAT; strong naphthalene-like odor, black, fully NAPL coated.
				1870			NLO		(19.5'- 20') PEAT; moderate naphthalene-like odor, brown, slightly stained.
20				338				SB-118 (19.5-20.)	Refusal at 20.0 feet. Bottom of borehole at 20.0 feet. Soil Boring Terminated at 20' bgs.

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-119

GROUND SURFACE ELEVATION (FT): 6.9329
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768203.6042 **EASTING:** 657881.5581
TOTAL DEPTH (FT): 30.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/15/2019 - 4/15/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0							(0'- 5') FILL.
5	S2	5.0	2	42			NLO		(5'- 8.5') POORLY GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, wet, black.
				12.7			NLO		(8.5'- 9') SILT WITH SAND (ML); strong naphthalene-like odor, wet, brownish black.
				73			NLO		(9'- 9.5') SANDY SILT (ML); strong naphthalene-like odor, wet, black.
10	S3	5.0	4	35			NLO		(9.5'- 10') SILT (ML); strong naphthalene-like odor, wet, brownish green.
				90					(10'- 14.5') SILT WITH SAND (ML); strong naphthalene-like odor, wet, brown, stained at 11.5'.
				27					
				61					
				26					
				63					
				37					
				26					
15				58					(14.5'-15') ROCK OR COBBLE, NAPL coated, black
	S4	5.0	2						(15'- 20') POORLY GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, wet, brown, NAPL coated grains.
				10			NLO	SB-119 (17.0-17.5)	
				15					
				89					
				345					
20	S5	5.0	2.5						(20'- 24.5') SANDY ORGANIC SOIL (OL); strong naphthalene-like odor, wet, brown and gray, NAPL coated grains, contains white shell fragments.
				647			NLO		
				375					
				561				SB-119	

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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BORING LOG

SB-119

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
				587			NLO	(23.5-24.0)	
				560			NLO		
25	S6	5.0	3						(24.5'- 25') PEAT; strong naphthalene-like odor, wet, dark brown, NAPL coated sand lens.
							NLO		(25'- 28') POORLY GRADED SAND (SP); strong naphthalene-like odor, wet, brownish black, NAPL coated, contains white shell fragments.
				127					
				244					
				375			NLO		(28'- 29') PEAT; strong naphthalene-like odor, wet, brown, Stained.
				145					
				21			NLO		(29'- 29.5') PEAT; slight naphthalene-like odor, moist, brown, Stained.
30				68					(29.5'- 30') PEAT; moist, brown.

Refusal at 30.0 feet.
Bottom of borehole at 30.0 feet.
Soil Boring Terminated at Peat

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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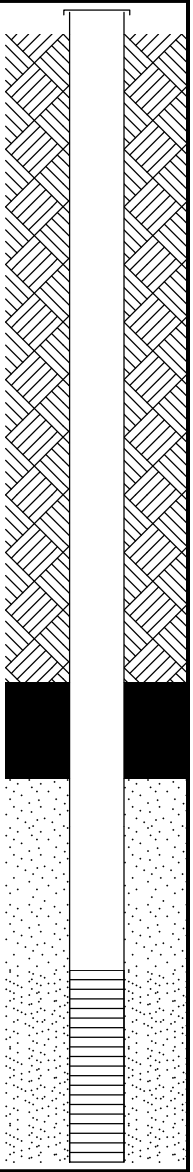
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 3
SB-120/MW-109

GROUND SURFACE ELEVATION (FT): 6.8599 **LOCATION:** 104 Alexander St, Yonkers, NY
NORTHING: 768127.4775 **EASTING:** 657714.0846 **TOTAL DEPTH (FT):** 55.00
DRILLED BY: ADT **DATUM VERT. / HORZ.:** NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur **DATE START / END:** 4/22/2019 - 4/22/2019
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT): ▼ 2.82 5/16/2019

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	6.0							(0'-0.5') TOPSOIL
									(0.5') HISTORICAL FILL
▼							PLO	SB-120 (4.0-4.5)	
5	S2	5.0	0	111			PLO	SB-120 (5.0-5.5)	(5'- 6') POORLY GRADED SAND WITH SILT AND GRAVEL (SP); strong petroleum-like odor, wet, blackish brown. (6'-10') NO RECOVERY
10	S3	5.0	0	102					(10'-15') NO RECOVERY
15	S4	5.0	3.5	0.3 0.0 0.0 0.0 0.0 0.0 0.3				SB-120 (17.0-17.5)	(15'- 20') ORGANIC SOIL (OL); high plasticity; moist, gray.
20	S5	5.0	2	0.0 0.0					(20'- 23.5') ORGANIC SOIL (OL); high plasticity; moist, gray. (23.5'- 24') ORGANIC SOIL (OL); high

WELL CONSTRUCTION DETAILS



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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

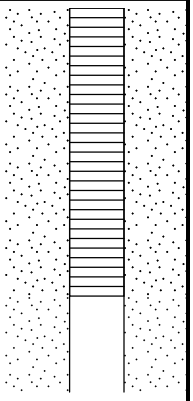
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PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-120/MW-109

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
				0.0 0.0				SB-120 (24.5-25.0)	plasticity; moist, gray. (24'- 25') ORGANIC SOIL (OL); high plasticity; moist, gray.	
25	S6	5.0	0						(25'-30') NO RECOVERY	
30	S7	5.0	0						(30'-35') NO RECOVERY	
35	S8	5.0	0						(35'-40') NO RECOVERY	
40	S9	5.0	0						(40'-45') NO RECOVERY	
45	S10	5.0	0						(45'-50') NO RECOVERY	
50	S11	5.0	3						(50'- 52.5') SILTY SAND (SM); moist, gray.	

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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BORING LOG

SB-120/MW-109

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
				0.0					(52.5'- 54') SILTY SAND (SM); moist, reddish brown.	
				0.0						
				0.0				SB-120 (53.0-53.5)		
				0.0					(54'- 55') FAT CLAY (CH); high plasticity; dry, reddish brown.	
				0.0						
55									Refusal at 55.0 feet. Bottom of borehole at 55.0 feet. Soil Boring Terminated within Clay Unit	

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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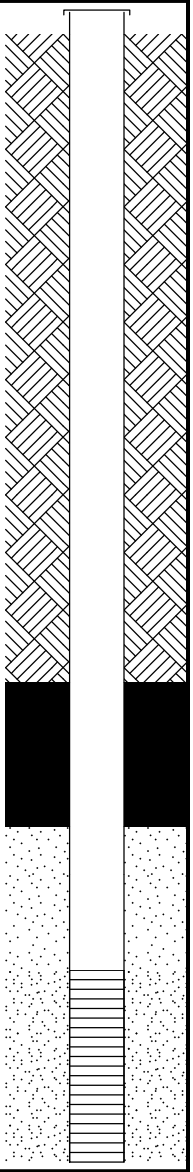
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 3
SB-121/MW-110

GROUND SURFACE ELEVATION (FT): 7.2558 **LOCATION:** 104 Alexander St, Yonkers, NY
NORTHING: 768185.983 **EASTING:** 657726.3586 **TOTAL DEPTH (FT):** 55.00
DRILLED BY: ADT **DATUM VERT. / HORZ.:** NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur **DATE START / END:** 4/18/2019 - 4/18/2019
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT): ▼ 3.25 5/16/2019

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0							(0'-0.5') TOPSOIL (0.5') HISTORICAL FILL
5	S2	5.0	1	10.4 268			PLO		(5'- 10') POORLY GRADED SAND WITH SILT AND GRAVEL (SP); strong petroleum-like odor, wet, blackish brown, slight staining at 9.5'.
10	S3	5.0	1	212 32 54			PLO	SB-121 (13-13.5)	(10'- 14.5') POORLY GRADED SAND WITH SILT AND GRAVEL (SP); slight petroleum-like odor, wet, brownish gray.
15	S4	5.0	3	55 70 110 49 377 56 41			NLO NLO NLO NLO	SB-121 (18.0-18.5)	(14.5'- 15') POORLY GRADED SAND WITH SILT AND GRAVEL (SP); wet, brownish gray. (15'- 17.5') POORLY GRADED SAND WITH SILT AND GRAVEL (SP); slight naphthalene-like odor, wet, brownish black. (17.5'- 18') POORLY GRADED SAND WITH SILT AND GRAVEL (SP); strong naphthalene-like odor, wet, gray, lightly coated with NAPL.
20	S5	5.0	4	18 234 168 159 339 184 116			NLO NLO		(18'- 18.5') POORLY GRADED SAND (SP); strong naphthalene-like odor, wet, brown, coated with NAPL. (18.5'- 20') ORGANIC SOIL WITH GRAVEL (OL); strong naphthalene-like odor, wet, gray. (20'- 23') SILT WITH SAND (ML); strong naphthalene-like odor, wet, gray, NAPL

WELL CONSTRUCTION DETAILS



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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 2 of 3
SB-121/MW-110

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
				76			NLO		coated.	
				42			NLO		(23'- 24.5') SILT WITH SAND (ML); moderate naphthalene-like odor, wet, gray, sand lens lightly coated with NAPL.	
25	S6	5.0	3				NLO		(24.5'- 25') SILT WITH SAND (ML); moderate naphthalene-like odor, wet, gray.	
				217					(25'- 28') SILT (ML); strong naphthalene-like odor, wet, gray, Stained.	
				209						
				77			NLO		(28'- 28.5') SILT (ML); strong naphthalene-like odor, wet, gray, sand lenses coated with NAPL.	
				328			NLO			
				150					(28.5'- 29.5') SILT WITH SAND (ML); strong naphthalene-like odor, wet, gray, Stained.	
				119						
30	S7	5.0	0.5	70					(30'- 35') POORLY GRADED SAND WITH GRAVEL (SP); wet, gray.	
				28						
35	S8	5.0	4						(35'- 40') ELASTIC SILT (MH); medium plasticity; moist, gray, Shell fragments.	
				48						
				30						
				39						
				39						
				27						
				42						
				45						
40	S9	5.0	0	40					(40'-45') NO RECOVERY	
45	S10	5.0	2.5				NLO		(45'- 49.5') POORLY GRADED SAND (SP); slight naphthalene-like odor, wet, gray.	
				178						
				356						
				153						
				133						
				84						
50	S11	5.0	4				NLO		(50'- 55') FAT CLAY (CH); slight naphthalene-like odor, moist, red.	
				48						
				45						

NOTES:

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REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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(860) 368-5300

CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-121/MW-110

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
				74			NLO			
				65						
55				45				SB-121 (54.5-55.0)	Refusal at 55.0 feet. Bottom of borehole at 55.0 feet. Soil Boring Terminated within Clay Unit	

NOTES:

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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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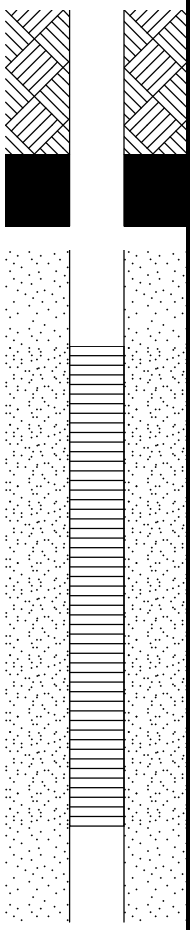
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-122/MW-111

GROUND SURFACE ELEVATION (FT): 9.0845
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768403.3313 **EASTING:** 657728.0016
TOTAL DEPTH (FT): 40.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/25/2019 - 4/25/2019
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT): ▼ 4.06 5/16/2019

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0						(0'-5') HISTORICAL FILL
5	S2	5.0	0						(5'-10') NO RECOVERY
10	S3	5.0	1	35			NLO		(10'- 15') POORLY GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, NAPL saturated, sheen on water.
15	S4	5.0	3	284			NLO	SB-122 (17.0-17.5)	(15'- 17.5') POORLY GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, NAPL saturated.
				76			NLO		(17.5'- 18') ORGANIC SOIL (OL); high plasticity; strong naphthalene-like odor, contains white shell fragments, NAPL coated.
				45					
				23			NLO		
				32					
20				28				SB-122 (19.5-20.0)	(18'- 20') ORGANIC SOIL (OL); high plasticity; slight naphthalene-like odor, contains white shell fragments, NAPL coated.
	S5	5.0	0	13					(20'-25') NO RECOVERY

WELL CONSTRUCTION DETAILS



NOTES:

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FT. = FEET

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-122/MW-111

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25	S6	5.0	3	9.7 8.4 15 34 16.4 8					(25'- 29') ORGANIC SOIL (OL); high plasticity; gray. (29'- 30') POORLY GRADED SAND WITH GRAVEL (SP).	
30	S7	5.0	3.5	15 10 5.9 5.1 4.1 5.1 4.8					(30'- 35.5') ORGANIC SOIL (OL); high plasticity; gray. (33.5'- 40') ORGANIC SOIL (OL); high plasticity; gray, contains white shell fragments.	
35	S8	5.0	4.5	1.6 1.0 3.0 1.7 2.0 1.5 1.9 2.0 1.3 1.9				SB-122 (39.0-39.5)		
40									Refusal at 40.0 feet. Bottom of borehole at 40.0 feet. Soil Boring Terminated within Clay Unit	

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CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

PAGE 1 of 1

SB-123

GROUND SURFACE ELEVATION (FT): 10.3943
LOCATION: 95 Woodworth Ave, Yonkers, NY
NORTHING: 768110.0461 **EASTING:** 658033.5736
TOTAL DEPTH (FT): 7.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 4/15/2019 - 4/15/2019
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	5.0	0						(0'- 5') FILL.
5	S2	2.0	2	0.0 0.7 3.9 12.1 18			PLO	SB-123 (6.5-7.0)	(5'- 7') FILL; strong petroleum-like odor, red, red brick fragments. Refusal at 7.0 feet. Bottom of borehole at 7.0 feet. Terminated at Refusal (Red Bricks)

NOTES:

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PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-124

GROUND SURFACE ELEVATION (FT): 27.381
LOCATION: 95 Woodworth Ave, Yonkers, NY
NORTHING: 768100.4175 **EASTING:** 658152.409
TOTAL DEPTH (FT): 35.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 6/21/2019 - 6/21/2019
DRILLING DETAILS: Sonic Coring
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	10.0	8						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL; slight petroleum-like odor
				25.7			PLO		
5				89				SB-124 (4.5-5.0)	(5'- 9') SILT WITH SAND (ML); slight naphthalene-like odor, gray.
							NLO		
				24.7					
				23.4				SB-124 (9.0-9.5)	(9'- 12') SILT WITH SAND (ML); strong naphthalene-like odor, gray, NAPL coated grains.
10	S2	10.0	4	27			NLO		
				26			NLO		(12'- 13') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); moderate naphthalene-like odor, red.
				160			NLO		(13'- 14') SILT WITH SAND (ML); moderate naphthalene-like odor, reddish gray, NAPL stained lenses.
				107			NLO		(14'- 14.5') FAT CLAY (CH); slight naphthalene-like odor, gray.
15				10					(14.5'- 15') SILT WITH SAND (ML); black gray.
				0.0					(15'- 16') SILT WITH SAND (ML); brownish gray.
				4.3					
				0.0					(16'- 17') WELL GRADED SAND (SW); brown.
				0.0					
				0.0					(17'- 20') WELL GRADED SAND WITH GRAVEL (SW); brown.
				0.0					
				0.0					
				0.0					
				0.0					
20	S3	5.0	0						(20'-25') NO RECOVERY

NOTES:

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CITY/STATE: Yonkers, NY
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BORING LOG

SB-124

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
25	S4	10.0	10	36					(25'- 31') WELL GRADED SAND WITH GRAVEL (SW); gray.
				9.7					
				0.4					
				11.4					
				0.0					
				0.0					
				0.0					
				0.0					
30				0.0					
				18					(31'- 35') WELL GRADED SAND WITH GRAVEL (SW); gray brown.
				32					
				5					
				0.0				SB-124 (34.0-34.5)	
35				0.0					

Refusal at 35.0 feet.
Bottom of borehole at 35.0 feet.
Soil Boring Terminated at Refusal (bedrock)

NOTES:

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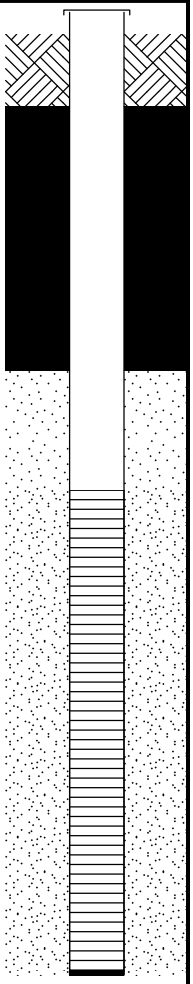
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-125/MW-106

GROUND SURFACE ELEVATION (FT): 10.005
LOCATION: 95 Woodworth Ave, Yonkers, NY
NORTHING: 768104.065 **EASTING:** 658038.522
TOTAL DEPTH (FT): 35.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 6/21/2019 - 6/21/2019
DRILLING DETAILS: Sonic Coring
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	10.0	10					(0'- 5') FILL.
5							SB-125 (4.5-5.0)	(5'- 9') CONCRETE; rock / concrete, some wood present ~6'.
10								(9'-10') NO RECOVERY
	S2	10.0	4					(10'- 17') WELL GRADED SAND WITH SILT (SW-SM); gray.
15				0.0				
				0.0				(17'- 18') WELL GRADED SAND WITH SILT (SW-SM); reddish.
				0.0				(18'- 20') SILT WITH SAND (ML); reddish.
				0.0				
20	S3	5.0	0	0.0			SB-125 (19.5-20.0)	(20'-25') NO RECOVERY

WELL CONSTRUCTION DETAILS



NOTES:

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PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-125/MW-106

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25	S4	10.0	10	0.0				(25'- 35') WELL GRADED SAND WITH GRAVEL (SW); gray.	
				0.0					
				0.0					
				0.0					
				0.0					
30				0.0					
				0.0					
				0.0					
				0.0			SB-125 (33.0-33.5)		
				0.0					
35				0.0					
								Refusal at 35.0 feet.	
								Bottom of borehole at 35.0 feet.	
								Soil Boring Terminated at Refusal (bedrock)	

NOTES:

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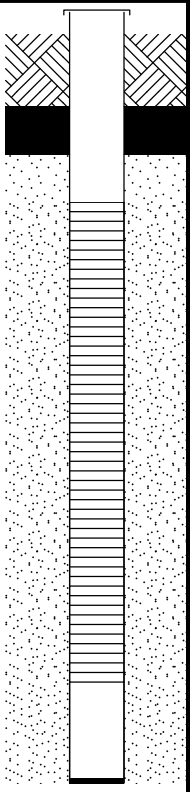
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 2
SB-126/MW-112

GROUND SURFACE ELEVATION (FT): 7.6659
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768318.812 **EASTING:** 657943.113
TOTAL DEPTH (FT): 50.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 6/24/2019 - 6/24/2019
DRILLING DETAILS: Sonic Coring
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	10.0	9						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5				6.0 45 293 199 123 21 54			PLO	SB-126 (4.5-5.0) SB-126 (7.0-7.5)	(5'- 10') WELL GRADED SAND WITH GRAVEL (SW); strong petroleum-like odor, black, contains shell fragments, NAPL coated grains and NAPL saturated lenses.
10	S2	10.0	3	72 10 10 11 14			PLO		(10'- 18.5') WELL GRADED SAND WITH GRAVEL (SW); slight petroleum-like odor, red, contains shell fragments, NAPL coated grains and NAPL saturated lenses.
15							PLO		(18.5'- 20') FAT CLAY (CH); slight petroleum-like odor, red.
20	S3	10.0	7.5	46 16 27 277 46 64 48 35			NLO	SB-126 (21.0-21.5)	(20'- 21') FAT CLAY (CH); red. (21'- 22') FAT CLAY (CH); moderate naphthalene-like odor, red, NAPL coated lenses. (22'- 30') FAT CLAY (CH); red.

WELL CONSTRUCTION DETAILS



NOTES:

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BORING LOG
PAGE 2 of 2
SB-126/MW-112

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25				3.6						
				8.0						
				10						
30	S4	10.0	10						(30'- 32') WELL GRADED SAND WITH SILT (SW-SM); red.	
				14						
				10					(32'- 34') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); red.	
				17						
35				11					(34'- 36') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); grayish brown.	
									(36'- 38') HARD ROCK; ~2' size boulder.	
									(38'-40') NO RECOVERY	
40	S5	10.0	10						(40'- 47') SILT WITH SAND (SW); strong naphthalene-like odor, brownish gray, NAPL coated lenses.	
				66			NLO			
				146						
				168						
45				46						
				659						
				93				SB-126 (46.5-47.0)		
				379					(47'- 50') SANDY SILT WITH GRAVEL (ML); gray.	
				60.1						
				15.5				SB-126 (49.0-49.5)		
50									Refusal at 50.0 feet. Bottom of borehole at 50.0 feet. Soil Boring Terminated at Refusal (bedrock)	

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PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 3
SB-127

GROUND SURFACE ELEVATION (FT): 7.4368 **LOCATION:** 104 Alexander St, Yonkers, NY
NORTHING: 768255.3259 **EASTING:** 657885.466 **TOTAL DEPTH (FT):** 60.00
DRILLED BY: ADT **DATUM VERT. / HORZ.:** NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur **DATE START / END:** 6/24/2019 - 6/24/2019
DRILLING DETAILS: Sonic Coring
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	10.0	10						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5				2.4 45 215 262 560 1373 134			NLO	SB-127 (6.0-6.5)	(5'- 8.5') WELL GRADED SAND WITH GRAVEL (SW); strong naphthalene-like odor, black, NAPL coated.
				0.0 0.0 0.0			NLO		(8.5'- 10') WELL GRADED SAND WITH GRAVEL (SW); strong naphthalene-like odor, black, wood piles, NAPL coated.
10	S2	10.0	3						(10'- 20') WELL GRADED SAND WITH GRAVEL (SW); slight naphthalene-like odor, brown, wood piles, NAPL saturated.
15							NLO		
20	S3	10.0	2.5	28			NLO		(20'- 20.5') FAT CLAY (CH); slight naphthalene-like odor, gray, wood from piles with mud. (20.5'- 30') WELL GRADED SAND (SW); wood fragments present.
				0.0 0.0 0.0					

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-127

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
25				0.0 0.0 0.0 0.0 0.0 0.0					
30	S4	10.0	3	0.0 0.0 0.0 0.0 0.0					(30'- 35') WELL GRADED SAND (SW); gray, ROCK BOULDER.
35				5 11 3					(35'- 38.5') WELL GRADED SAND (SW); gray.
				173 22 3				SB-127 (38.0-38.5)	(38.5'- 39') SILT (ML); brown, wood fragments present. (39'- 39.5') SILT (ML); gray. (39.5'- 40') FAT CLAY (CH); red.
40	S5	10.0	0						(40'-50') NO RECOVERY
45									
50	S6	10.0	6	0.0 0.0					(50'- 60') WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); brown.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

GEI Consultants

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Glastonbury, CT 06033
(860) 368-5300

CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-127

DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN FT.	SAMPLE INFO: REC FT.	SAMPLE INFO: PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
55				0.0 0.0 0.4 0.4 0.1 0.1 0.2					
60				5 1.0				SB-127 (59.5-60.0)	Refusal at 60.0 feet. Bottom of borehole at 60.0 feet. Soil Boring Terminated at Refusal (bedrock)

NOTES:

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

PAGE 1 of 3

SB-128

GROUND SURFACE ELEVATION (FT): 6.5209
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768129.2529 **EASTING:** 657838.2534
TOTAL DEPTH (FT): 80.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 6/25/2019 - 6/25/2019
DRILLING DETAILS: Sonic Coring
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	10.0	10						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL; slight petroleum-like odor
							PLO		
5				0.0					(5'- 9.5') WELL GRADED SAND WITH GRAVEL (SW); strong petroleum-like odor, black, contains white shell fragments.
				0.0					
				0.0			PLO		
				37					
				126				SB-128 (9.0-9.5)	
10				361			NLO		(9.5'- 10') FILL; strong naphthalene-like odor, black, NAPL saturated wood piles.
	S2	10.0	5	324.9					(10'- 16') WELL GRADED SAND WITH SILT (SW-SM); gray.
				252.7					
				180.5					
				108.3					
				36.1					
15				0.0					
				3.5					
				7					(16'- 18') SILT WITH SAND (ML); gray.
				3.7					
				4.0					
				3.7				SB-128 (17.5-18.0)	
				10					(18'- 20') PT PEAT; brown.
				4					
20	S3	10.0	4	0.0					(20'- 28') PT PEAT; gray.
				0.0					
				5.3					
				8.2					

NOTES:

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-128

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
25				22.9					
				37.8					
				55					
				42					
				2					(28'- 30') PT PEAT; brown.
				0.0					
30	S4	10.0	7	0.0					(30'- 35') PT PEAT; brownish gray.
				0.0					
				0.0					
				0.0					
				2.8					
35				3.5					(35'- 36') POORLY GRADED SAND (SP); gray.
				2.6					(36'- 38') POORLY GRADED SAND WITH SILT (SP-SM); reddish brown.
				2.0					
				6.6					(38'- 40') SILT (ML); reddish brown.
				7.7					
40	S5	10.0	5	0.3					(40'- 47') WELL GRADED SAND (SW); gray.
				0.0					
				0.0					
				0.0					
				0.0					
45				2.0					
				0.6					
				0.6				SB-128 (46.5-47.0)	(47'- 49') FAT CLAY (CH); red.
				0.5					
				0.0					(49'- 50') ELASTIC SILT (MH); red.
50	S6	10.0	7	0.0					(50'- 57') POORLY GRADED SAND (SP); gray.
				0.0					

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GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 3 of 3
SB-128

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
				0.0					
				0.0					
				1.0					
55				1.1					
				2.0					
				0.4					(57'- 60') ELASTIC SILT (MH); reddish brown.
				1.0					
				0.0					
60	S7	10.0	3	0.0					(60'- 67.5') SILT (ML); reddish brown.
				0.0					
				0.0					
				0.0					
				0.0					
65				0.0					
				0.0					
				0.0					
				0.1					(67.5'- 69') POORLY GRADED SAND WITH SILT AND GRAVEL (SW-SM); brown.
				0.2					(69'- 70') POORLY GRADED SAND WITH SILT AND GRAVEL (SW-SM); brown.
70	S8	10.0	8	0.2					(70'- 80') POORLY GRADED SAND WITH SILT AND GRAVEL (SW-SM); gray.
				0.0					
				0.5					
				1.2					
				4.5					
75				4.0					
				0.7					
				0.7					
				0.7					
				1.2				SB-128 (79.0-79.5)	
80				0.0					Refusal at 80.0 feet. Bottom of borehole at 80.0 feet. Soil Boring Terminated at Refusal (bedrock)

NOTES:

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 4
SB-129

GROUND SURFACE ELEVATION (FT): 6.8886
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768148.6711 **EASTING:** 657741.4697
TOTAL DEPTH (FT): 85.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 6/25/2019 - 6/25/2019
DRILLING DETAILS: Sonic Coring
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	10.0	7						(0'-0.5') ASPHALT (0.5'-5') HISTORICAL FILL
5				0.0 0.0 7			NLO	SB-129 (5.0-5.5)	(5'- 8.5') WELL GRADED SAND WITH SILT (SW-SM); strong naphthalene-like odor, black brown, NAPL coated grains.
				18			PLO		(8.5'- 10') WELL GRADED SAND WITH SILT (SW-SM); strong petroleum-like odor, black brown.
10	S2	10.0	9	18.9 19.6 26 38 13			PLO		(10'- 13.5') WELL GRADED SAND WITH GRAVEL (SW); strong petroleum-like odor, black.
				13 12 9 7			PLO		(13.5'- 15.5') SILT WITH SAND (ML); strong petroleum-like odor, brown.
15				8.8			PLO		(15.5'- 16') SILT WITH SAND (ML); strong petroleum-like odor, brown.
				159			NLO	SB-129 (16.0-16.5)	(16'- 16.5') WELL GRADED SAND WITH GRAVEL (SW); strong naphthalene-like odor, black, NAPL saturated.
				105 34 37			NLO		(16.5'- 19') FAT CLAY (CH); slight naphthalene-like odor, gray.
				53					(19'- 20') POORLY GRADED SAND (SP); gray.
20	S3	10.0	5	30 22 15.9 10.1					(20'- 27') POORLY GRADED SAND WITH GRAVEL (SP); gray, contains brown organics.

NOTES:

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CITY/STATE: Yonkers, NY
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BORING LOG

SB-129

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
				7.3					
25				12.3					
				6.6					
				2.6					(27'- 30') WELL GRADED SAND (SW); brown gray.
				0.5					
				1.0					
30	S4	10.0	9	0.0					(30'- 32') WELL GRADED SAND (SW); gray.
				0.9					
				0.2					(32'- 40') LEAN CLAY (CL); gray, contains white shell fragments.
				0.0					
				0.0					
35				0.9					
				1.1					
				1.4					
				1.5					
				1.6					
40	S5	10.0	9	0.0					(40'- 45') SILT (ML); brown gray.
				1.2					
				0.0					
				0.9					
				1.8					
45				1.0					(45'- 46') SILTY SAND WITH GRAVEL (SM); gray.
				1.6					(46'- 48') FAT CLAY WITH SAND (CH); red.
				8.8					
				10					(48'- 50') WELL GRADED SAND (SW); red.
				13					
50	S6	10.0	5	10					(50'- 56') POORLY GRADED SAND (SP); red.
				8.3					

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BORING LOG
PAGE 3 of 4
SB-129

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
				6.2					
				4.1					
				4.0					
55				3.9					
				0.8					(56'- 60') WELL GRADED SAND WITH SILT (SW-SM); red.
				0.6					
				0.2					
				0.4					
60	S7	10.0	7	0.0					(60'- 69') WELL GRADED SAND (SW); red.
				0.0					
				0.0					
				0.0					
				0.8					
65				1.1					
				3.6					
				0.0					
				0.6					
				0.0					(69'- 70') POORLY GRADED SAND WITH SILT (SP-SM); red.
70	S8	10.0	7	1.3					(70'- 77') POORLY GRADED SAND (SP); red.
				0.0					
				0.0					
				0.0					
				0.0					
75				0.0					
				0.0					
				0.0					(77'- 78') FAT CLAY (CH); red.
				0.0					(78'- 79') POORLY GRADED SAND (SP); red.
				0.0					(79'- 80') SANDY SILT WITH GRAVEL (ML); reddish brown.
80									

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-129

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
80	S8	5.0	5	0.5					(80'- 81') POORLY GRADED SAND (SP); red.
				0.01					(81'- 82') SILT WITH SAND (ML); red.
				0.0					(82'- 83') POORLY GRADED SAND WITH SILT (SP-SM); black red.
				0.0				SB-129 (83.0-83.5)	(83'- 84') POORLY GRADED SAND WITH GRAVEL (SP); red.
				0.0					(84'- 85') SANDY SILT WITH GRAVEL (ML); red.
85				0.0					Refusal at 85.0 feet. Bottom of borehole at 85.0 feet. Soil Boring Terminated at Refusal (bedrock)

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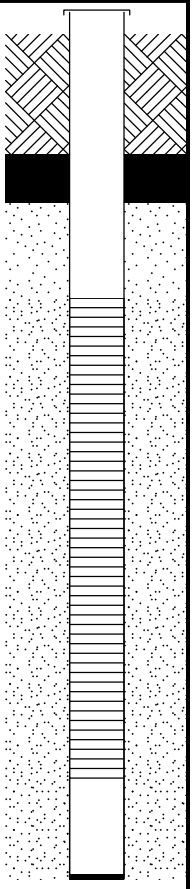
CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 4
SB-130/MW-113

GROUND SURFACE ELEVATION (FT): 8.0739
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768265.053 **EASTING:** 657708.72
TOTAL DEPTH (FT): 95.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 6/26/2019 - 6/26/2019
DRILLING DETAILS: Sonic Coring
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	10.0	9.5						(0'-5') HISTORICAL FILL
5				26.5				SB-130 (5.0-5.5)	(5'- 7') POORLY GRADED SAND WITH GRAVEL (SP); brown.
				17.9					
				90					(7'- 10') POORLY GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, black, NAPL saturated.
				6.5			NLO		
				2.0					
10	S2	10.0	7	76				SB-130 (9.5-10.0)	(10'- 16') POORLY GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, black, NAPL saturated, wood fragments present.
				34					
				73			NLO		
				186					
15				179					
				104			NLO		
							NLO	SB-130 (16.5-17.0)	(16'- 16.5') LEAN CLAY (CL); strong naphthalene-like odor, dark gray, contained white shell fragments.
				89			NLO		(16.5'- 17') LEAN CLAY (CL); moderate naphthalene-like odor, dark gray, contained white shell fragments.
				18					(17'- 18') LEAN CLAY (CL); slight naphthalene-like odor, dark gray, contained white shell fragments.
				13					(18'- 20') LEAN CLAY (CL); dark gray, contained white shell fragments.
20	S3	10.0	6	28					(20'- 28') LEAN CLAY (CL); strong naphthalene-like odor, dark gray, contained white shell fragments, NAPL coated.
				30			NLO		
				24					

WELL CONSTRUCTION DETAILS



NOTES:

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ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-130/MW-113

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25				6.8			NLO			
				21.6						
				29.4			NLO		(28'- 29.5') LEAN CLAY (CL); slight naphthalene-like odor, dark gray, contained white shell fragments.	
				31.5			NLO		(29.5'- 30') LEAN CLAY WITH SAND (CL); slight naphthalene-like odor, dark gray, contained white shell fragments.	
30	S4	10.0	8	1.0					(30'- 33') LEAN CLAY WITH SAND (CL); dark gray, contained white shell fragments.	
				1.7						
				1.5					(33'- 40') LEAN CLAY (CL); dark gray, contained white shell fragments and organics.	
				1.1						
35				0.5						
				1.2						
				0.9						
40	S5	10.0	9	2.3					(40'- 50') LEAN CLAY (CL); dark gray, contained white shell fragments.	
				1.7						
				1.8						
				0.4						
				0.4						
45				0.2						
				0.1						
				0.2						
				0.2						
				0.9						
50	S6	10.0	5	4.8					(50'- 57') LEAN CLAY (CL); dark gray, contained white shell fragments.	

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BORING LOG

SB-130/MW-113

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
55				1.2						
				0.4				SB-130 (56.5-57.0)	(57'- 58') LEAN CLAY (CL); reddish gray.	
				0.8					(58'- 60') LEAN CLAY (CL); red.	
				0.5						
60	S7	10.0	4	1.2					(60'- 69') LEAN CLAY (CL); red, contained white shell fragments.	
				2.3						
				1.3						
65				0.5						
				0.2						
									(69'- 70') SILT WITH SAND (ML); red.	
70	S8	10.0	7	3.1					(70'- 78') SILT (ML); red.	
				0.2						
				0.1						
75				0.0						
				0.0						
				0.0						
				2.1					(78'- 80') POORLY GRADED SAND (SP); red.	
80				7.5						

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CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-130/MW-113

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
80	S8	10.0	10	18.2					(80'- 85') POORLY GRADED SAND (SP); red.	
				3.1						
				5.5						
				5.1						
				5.4						
85				6.6					(85'- 90') WELL GRADED SAND WITH GRAVEL (SW); reddish gray.	
				12						
				2.7						
				1.5						
				11.4				SB-130 (89.0-89.5)		
90	S9	5.0	5	75					(90'- 93') WELL GRADED SAND (SW); strong naphthalene-like odor, reddish gray, NAPL coated lenses.	
				20			NLO			
				241						
				447					(93'- 95') WELL GRADED SAND WITH GRAVEL (SW); strong naphthalene-like odor, gray, NAPL coated grains.	
				528			NLO	SB-130 (94.0-94.5)		
95				805					Refusal at 95.0 feet. Bottom of borehole at 95.0 feet. Soil Boring Terminated at Refusal (bedrock)	

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

GEI Consultants, Inc., P.C.
455 Winding Brook Drive
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG
PAGE 1 of 4
SB-131

GROUND SURFACE ELEVATION (FT): 9.053
LOCATION: 104 Alexander St, Yonkers, NY
NORTHING: 768346.6502 **EASTING:** 657698.6019
TOTAL DEPTH (FT): 95.00
DRILLED BY: ADT
DATUM VERT. / HORZ.: NAVD 88 / NAD83 NY East Zone
LOGGED BY: M. Sandefur
DATE START / END: 6/27/2019 - 6/27/2019
DRILLING DETAILS: Sonic Coring
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0	S1	10.0	7						(0'- 5') FILL.
5				0.0 0.0 1.3 25.7 60.5			NLO	SB-131 (5.0-5.5)	(5'- 9.5') POORLY GRADED SAND WITH GRAVEL (SM); brown.
10	S2	10.0	9	30.3 18.7 12.1 9.6 8 22.8 66.2 83.9 111.3 212 429 203			NLO		(9.5'- 10') POORLY GRADED SAND WITH GRAVEL (SP); moderate naphthalene-like odor, black. (10'- 16') POORLY GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, black, NAPL saturated.
15				132.7 100.1 80 66 57 31 18 11.5			NLO	SB-131 (15.5-16.0) SB-131 (17.0-17.5)	(16'- 20') LEAN CLAY (CL); moderate naphthalene-like odor, gray, contains white shell fragments.
20	S3	10.0	10	10.1 13.8 18.7 21.5 25 22 19					(20'- 26') SILTY SAND (CL); gray, contains white shell fragments.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING
ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

GEI Consultants

GEI Consultants, Inc., P.C.
455 Winding Brook Drive
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-131

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
25				17					
				18					
				14					(26'- 30') LEAN CLAY (CL); gray, contains white shell fragments.
				12.5					
				9.2					
				6.4					
30	S4	10.0	10	0.1					(30'- 40') LEAN CLAY (CL); gray, contains white shell fragments.
				0.1					
				0.2					
				0.3					
				0.3					
35				0.2					
				0.7					
				0.6					
				0.6					
				1.0					
40	S5	10.0	10	1.8					(40'- 50') LEAN CLAY (CL); gray, contains white shell fragments.
				0.7					
				0.1					
				0.4					
				0.7					
45				0.1					
				0.7					
				0.7					
				0.2					
				0.1					
50	S6	10.0	6	1.2					(50'- 57') LEAN CLAY (CL); gray, contains white shell fragments.
				0.0					

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

GEI Consultants

GEI Consultants, Inc., P.C.
455 Winding Brook Drive
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-131

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
55				0.0					
				0.0					
				0.0					
				0.0					
				0.0					
				0.0					(57'- 60') WELL GRADED SAND (SW); gray, contains white shell fragments.
				0.0					
				0.0					
60	S7	10.0	6	0.0					(60'- 70') POORLY GRADED SAND (SP); red.
				0.0					
				0.0					
				0.0					
				0.0					
65				0.0					
				0.0					
				0.0					
				0.0					
				0.0					
				0.0					
70	S8	10.0	6	0.0					(70'- 80') POORLY GRADED SAND (SP); red.
				0.0					
				0.0					
				0.0					
				0.7					
75				0.5					
				0.6					
				0.6					
				0.5					
				0.6					
80									

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

GEI Consultants

GEI Consultants, Inc., P.C.
455 Winding Brook Drive
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Con Edison
PROJECT: Woodworth Ave MGP - Con Edison
CITY/STATE: Yonkers, NY
GEI PROJECT NUMBER: 1900674

BORING LOG

SB-131

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC FT.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
80	S8	10.0	10	0.7					(80'- 85') POORLY GRADED SAND (SP); red.
				17.3					
				43.3					
				69					
				108					
85				163					(85'- 88') WELL GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, red, NAPL saturated.
				590			NLO		
				680					
				103				SB-131 (88.0-88.5)	(88'- 90') WELL GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, gray, NAPL coated lenses.
				47			NLO		
90	S9	5.0	5	72					(90'- 93') WELL GRADED SAND WITH GRAVEL (SP); gray.
				29					
				44					
				75					(93'- 95') WELL GRADED SAND WITH GRAVEL (SP); strong naphthalene-like odor, gray, NAPL coated.
				69			NLO		
95				44				SB-131 (94.0-94.5)	

Refusal at 95.0 feet.
Bottom of borehole at 95.0 feet.
Soil Boring Terminated at Refusal (bedrock)

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

ENVIRONMENTAL BORING LOG WOODWORTH AVE - CON ED BORING LOGS.GPJ GEI CONSULTANTS.GDT 11/27/19

GEI Consultants GEI Consultants, Inc. 455 Winding Brook Drive Glastonbury, CT 06033 (860) 368-5300	**CLIENT: Con- Ed**	**TEST PIT LOG**	
	PROJECT: Woodworth Avenue Former MGP	**PAGE** 1	**TP-101**
	CITY/STATE: Yonkers, NY		
	GEI PROJECT NUMBER: 1900674		

GROUND SURFACE ELEVATION (FT):		**LOCATION:**	See Plan
NORTHING:	**EASTING:**	**TOTAL DEPTH:**	7.5 Feet
OBSERVED BY:	M. Sandfeur	**TOTAL LENGTH:**	10 Feet
CHECKED BY:	J. Parillo	**TOTAL WIDTH:**	2.0 Feet
EQUIPMENT:	Excavator: Bobcat E35	**DATUM VERT. / HORZ.:**	
WEATHER:	39° F Overcast	**DATE START / END**	4/1/2019

DEPTH FT.	ANALYZED SAMPLE ID	SOIL DESCRIPTION
1		0.0-7.5' : No presense of impacted material, mostly F-C sand and F-C gravel, Brown, Dry to moist.
2		
3		
4		
5		
6		
7		
8		
9		
10		

Bottom of test pit at 7.5 feet. Tremmie grouted and asphalt patched.

NOTES:

IN. = INCHES

FT. = FEET

GEI Consultants, Inc. 455 Winding Brook Drive Glastonbury, CT 06033 (860) 368-5300	**CLIENT: Con- Ed**	**TEST PIT LOG**	
	PROJECT: Woodworth Avenue Former MGP	**PAGE** 2	**TP-101**
	CITY/STATE: Yonkers, NY		
	GEI PROJECT NUMBER: 1900674		

GROUND SURFACE ELEVATION (FT):		**LOCATION:**	See Plan
NORTHING:	**EASTING:**	**TOTAL DEPTH:**	7.5 Feet
OBSERVED BY:	M. Sandfeur	**TOTAL LENGTH:**	10 Feet
CHECKED BY:	J. Parillo	**TOTAL WIDTH:**	2.0 Feet
EQUIPMENT:	Excavator: Bobcat E35	**DATUM VERT. / HORZ.:**	
WEATHER:	39° F Overcast	**DATE START / END**	4/1/2019

Photographic Log



Bottom of test pit at 7.5 feet.

Picture showing the soil strata at Test pit 101

NOTES:

IN. = INCHES

FT. = FEET

GEI Consultants, Inc. 455 Winding Brook Drive Glastonbury, CT 06033 (860) 368-5300	**CLIENT: Con- Ed**	**TEST PIT LOG**	
	PROJECT: Woodworth Avenue Former MGP	**PAGE**	**TP-102**
	CITY/STATE: Yonkers, NY	1	
	GEI PROJECT NUMBER: 1900674		

GROUND SURFACE ELEVATION (FT):		**LOCATION:**	See Plan
NORTHING:	**EASTING:**	**TOTAL DEPTH:**	8.0 Feet
OBSERVED BY:	M. Sandfeur	**TOTAL LENGTH:**	10 Feet
CHECKED BY:	J. Parillo	**TOTAL WIDTH:**	2.0 Feet
EQUIPMENT:	Excavator: Bobcat E35	**DATUM VERT. / HORZ.:**	
WEATHER:	39° F Overcast	**DATE START / END**	4/1/2019-4/2/2019

DEPTH FT.	ANALYZED SAMPLE ID	SOIL DESCRIPTION
1		
2		(0.0-8.0') Fine grained coal with F-C sand and F-C gravel, NAPL blebs and staining on coal (3-8 Feet), strong naphthalene like odor.
3		
4		
5		
6	TP-102 (6.5-7.0)	
7		
8		
9		
10		

Bottom of test pit at 8.0 feet. Test Pit was asphalt patched.

NOTES:

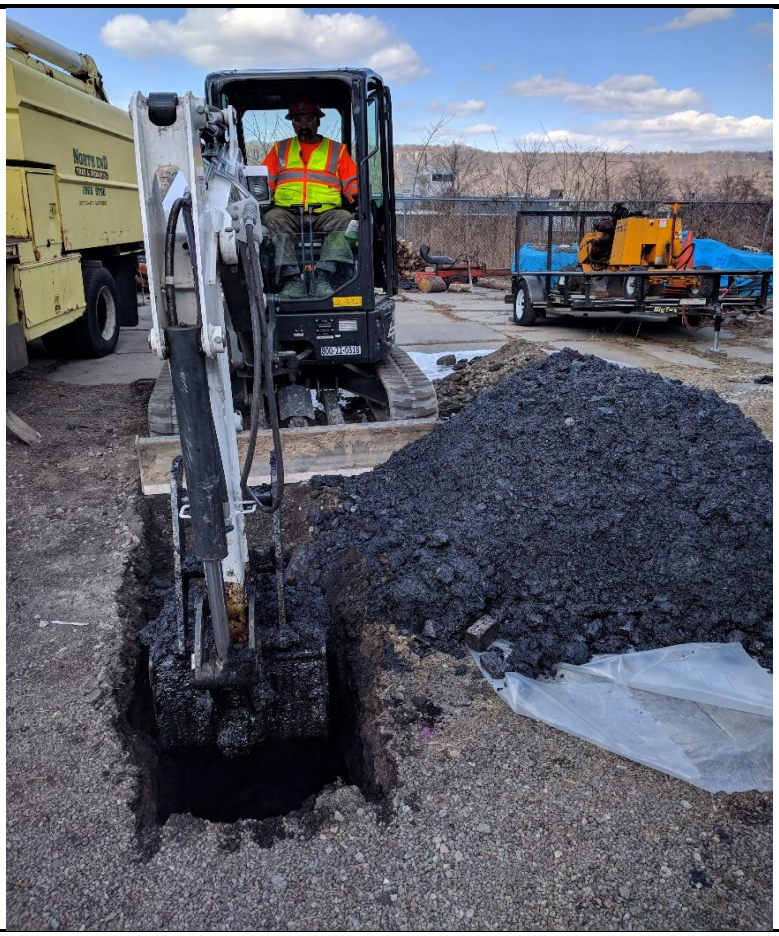
IN. = INCHES

FT. = FEET

GEI Consultants, Inc. 455 Winding Brook Drive Glastonbury, CT 06033 (860) 368-5300	**CLIENT: Con- Ed**	**TEST PIT LOG**	
	PROJECT: Woodworth Avenue Former MGP	**PAGE**	**TP-102**
	CITY/STATE: Yonkers, NY	2	
	GEI PROJECT NUMBER: 1900674		

GROUND SURFACE ELEVATION (FT):		**LOCATION:**	See Plan
NORTHING:	**EASTING:**	**TOTAL DEPTH:**	8.0 Feet
OBSERVED BY:	M. Sandfeur	**TOTAL LENGTH:**	10 Feet
CHECKED BY:	J. Parillo	**TOTAL WIDTH:**	2.0 Feet
EQUIPMENT:	Excavator: Bobcat E35	**DATUM VERT. / HORZ.:**	
WEATHER:	39° F Overcast	**DATE START / END**	4/1/2019-4/2/2019

Photographic Log



Bottom of test pit at 8.0 feet.

Picture showing the soil strata at Test pit 2

NOTES:

IN. = INCHES

FT. = FEET

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Con- Ed	**TEST PIT LOG**
PROJECT: Woodworth Avenue Former MGP	**PAGE** 1
CITY/STATE: Yonkers, NY	**TP-103**
GEI PROJECT NUMBER: 1900674	

GROUND SURFACE ELEVATION (FT):		**LOCATION:**	See Plan
NORTHING:	**EASTING:**	**TOTAL DEPTH:**	7.0 Feet
OBSERVED BY:	M. Sandfeur	**TOTAL LENGTH:**	10 Feet
CHECKED BY:	J. Parillo	**TOTAL WIDTH:**	2.0 Feet
EQUIPMENT:	Excavator: Bobcat E35	**DATUM VERT. / HORZ.:**	
WEATHER:	39° F Overcast	**DATE START / END**	3/27/2019-4/1/2019

DEPTH FT.	ANALYZED SAMPLE ID		SOIL DESCRIPTION
1		(0.0-7.0')	F-C sand and F-C gravel, strong petroleum like odor at 2.5 feet
2			Holder wall encountered with a 3 foot sub-slub.
3			Pipe encountered at 3.0 feet, strong NAPL like odor and saturated soils encountered from 3.0-7.0'
4	TP-103 (3.0)		
5			
6	TP-103 (6.5)		
7		7.0'	Concrete bottom observed.
8			
9			
10			

Bottom of test pit at 7.0 feet. Tremmie grouted and asphalt patched.

NOTES:
IN. = INCHES
FT. = FEET

GEI Consultants	GEI Consultants, Inc. 455 Winding Brook Drive Glastonbury, CT 06033 (860) 368-5300	**CLIENT: Con- Ed**	**TEST PIT LOG**
		PROJECT: Woodworth Avenue Former MGP	**PAGE** 2 / **TP-103**
		CITY/STATE: Yonkers, NY	
		GEI PROJECT NUMBER: 1900674	

GROUND SURFACE ELEVATION (FT):		**LOCATION:**	See Plan
NORTHING:	**EASTING:**	**TOTAL DEPTH:**	7.0 Feet
OBSERVED BY:	M. Sandfeur	**TOTAL LENGTH:**	10 Feet
CHECKED BY:	J. Parillo	**TOTAL WIDTH:**	2.0 Feet
EQUIPMENT:	Excavator: Bobcat E35	**DATUM VERT. / HORZ.:**	
WEATHER:	39° F Overcast	**DATE START / END**	3/27/2019-4/1/2019

Photographic Log



Bottom of test pit at 7.0 feet.

Picture showing soil strata at Test pit 3

NOTES:

IN. = INCHES

FT. = FEET

GEI Consultants GEI Consultants, Inc. 455 Winding Brook Drive Glastonbury, CT 06033 (860) 368-5300	**CLIENT:** Con- Ed	**TEST PIT LOG**	
	PROJECT: Woodworth Avenue Former MGP	**PAGE** 1	**TP-104**
	CITY/STATE: Yonkers, NY		
	GEI PROJECT NUMBER: 1900674		

GROUND SURFACE ELEVATION (FT):		**LOCATION:**	See Plan
NORTHING:	**EASTING:**	**TOTAL DEPTH:**	5.0 Feet
OBSERVED BY:	M. Sandfeur	**TOTAL LENGTH:**	4.0 Feet
CHECKED BY:	J. Parillo	**TOTAL WIDTH:**	2.0 Feet
EQUIPMENT:	Excavator: Bobcat E35	**DATUM VERT. / HORZ.:**	
WEATHER:	65° F Overcast	**DATE START / END**	4/1/2019- 4/2/2019

DEPTH FT.	ANALYZED SAMPLE ID	SOIL DESCRIPTION
1		
2		(0.0-5.0') Fill, hard rock, F-C sand and Gravel with Silt, Strong Petroleum like odor
3		
4		
5		Groundwater encountered at 4.5 feet.
6		
7		
8		
9		
10		

Bottom of test pit at 5.0 feet. Backfilled and concrete patched.

NOTES:

IN. = INCHES

FT. = FEET

GEI Consultants, Inc. 455 Winding Brook Drive Glastonbury, CT 06033 (860) 368-5300	**CLIENT: Con- Ed**	**TEST PIT LOG**	
	PROJECT: Woodworth Avenue Former MGP	**PAGE**	**TP-104**
	CITY/STATE: Yonkers, NY	1	
	GEI PROJECT NUMBER: 1900674		

GROUND SURFACE ELEVATION (FT):		**LOCATION:**	See Plan
NORTHING:	**EASTING:**	**TOTAL DEPTH:**	5.0 Feet
OBSERVED BY:	M. Sandfeur	**TOTAL LENGTH:**	3.0 Feet
CHECKED BY:	J. Parillo	**TOTAL WIDTH:**	2.0 Feet
EQUIPMENT:	Excavator: Bobcat E35	**DATUM VERT. / HORZ.:**	
WEATHER:	65° F Overcast	**DATE START / END**	4/1/2019- 4/2/2019

Photographic Log



Bottom of test pit at 5.0 feet.

Picture showing soil strata at Test pit 4

NOTES:

IN. = INCHES

FT. = FEET

GEI Consultants, Inc. 455 Winding Brook Drive Glastonbury, CT 06033 (860) 368-5300	**CLIENT:** Con- Ed	**TEST PIT LOG**	
	PROJECT: Woodworth Avenue Former MGP	**PAGE** 1	**TP-105**
	CITY/STATE: Yonkers, NY		
	GEI PROJECT NUMBER: 1900674		

GROUND SURFACE ELEVATION (FT):		**LOCATION:**	See Plan
NORTHING:	**EASTING:**	**TOTAL DEPTH:**	3.5 Feet
OBSERVED BY:	M. Sandfeur	**TOTAL LENGTH:**	4.0 Feet
CHECKED BY:	J. Parillo	**TOTAL WIDTH:**	2.0 Feet
EQUIPMENT:	Excavator: Bobcat E35	**DATUM VERT. / HORZ.:**	
WEATHER:	55° F Overcast	**DATE START / END**	4/4/2019

DEPTH FT.	ANALYZED SAMPLE ID	SOIL DESCRIPTION
1		(0.0-3.5') Concrete slab encountered at 1.0', Moved TP 3' east, Old coal/ slag encountered, as well as brick.
2		
3		
4		Groundwater encountered at 3.5 feet.
5		
6		
7		
8		
9		
10		
		Bottom of test pit at 3.5 feet. Test pit tremmie grouted and asphalt patched.

NOTES:
IN. = INCHES
FT. = FEET

GEI Consultants, Inc. 455 Winding Brook Drive Glastonbury, CT 06033 (860) 368-5300	**CLIENT:** Con- Ed	**TEST PIT LOG**	
	PROJECT: Woodworth Avenue Former MGP	**PAGE** 1	**TP-105**
	CITY/STATE: Yonkers, NY		
	GEI PROJECT NUMBER: 1900674		

GROUND SURFACE ELEVATION (FT):		**LOCATION:**	See Plan
NORTHING:	**EASTING:**	**TOTAL DEPTH:**	3.5 Feet
OBSERVED BY:	M. Sandfeur	**TOTAL LENGTH:**	4.0 Feet
CHECKED BY:	J. Parillo	**TOTAL WIDTH:**	2.0 Feet
EQUIPMENT:	Excavator: Bobcat E35	**DATUM VERT. / HORZ.:**	
WEATHER:	55° F Overcast	**DATE START / END**	4/4/2019

Photographic Log



Bottom of test pit at 3.5 feet.

Picture showing soil strata at Test pit 5

NOTES:

IN. = INCHES

FT. = FEET

Appendix F

Waste Manifests and IDW Management Records

5/15/2019

Workorder: 272790

CLEANEARTH

RECYCLING & DISPOSAL SOLUTIONS

Customer: GEI CONSULTANTS INC.
Contact:
Phone: 781-721-4053
Job Site: Con Ed- 4 Woodworth Ave- GEI
4 Woodworth Avenue
Yonkers,NY 10701

Departed CEI	
Time	AM PM
Arrived at Cust	
Time	AM PM
Departed Cust	
Time	AM PM
Arrived at CEI	
Time	AM PM

Transporter: IWT Transport Inc.-CENJ
EPA ID: NONHAZARDOUS
Driver: Cifelli

CONT. IN: 206
CONT. OUT:

THE UNDERSIGNED AGREES THAT ALL THE ABOVE SERVICE INFORMATION IS CORRECT
CUSTOMER SIGNATURE: Matt S PRINTED NAME: Matthew Sandefur-GEI DATE: 5/17/19

Friday 5/17/19
8-9 am
Drum Pick up
Contact Matt Sandefur
919-815-2058

Manifest.for.Workorder.272790

1 - 45 - 45.00 - DM - 193080569 - Soil cuttings- nh

44

44

IWT TRANSPORT INC.

ENVIRONMENTAL SERVICE • HAZARDOUS WASTE MANAGEMENT

306 RAMAPO VALLEY ROAD, SUITE 2 • OAKLAND, NJ 07436
(201) 644-0485 • FAX: (201) 644-0489 • E:MAIL: dobrieniwt@optimum.net

ICC# MC787352
US DOT# 2306223
NJDEP# 0050277
NYDEC# NJ-880
EPA ID # NJR986628162

DATE 5/17/19

PICK UP		DELIVERY	
SHIPPER NAME	Con Ed	CONSIGNEE NAME	Clean Earth
SHIPPER STREET	4 Woodworth Ave.	CONSIGNEE STREET	115 Jacobus Ave.
SHIPPER CITY / STATE / ZIP CODE	Yonkers, NY	CONSIGNEE CITY / STATE / ZIP CODE	Kearny, NJ
SHIPPER CONTACT NAME	Matt 919-815-2058	CONSIGNEE CONTACT NAME	
SHIPPER SCHEDULED TIME		CONSIGNEE SCHEDULED TIME	

ADDITIONAL INFORMATION

CUSTOMER P.O. NO.	WORK ORDER NUMBER	MANIFEST NUMBER	BILLING REFERENCE
20X-32829	I190574		CLEAN1917
LOAD NUMBER	**TRACTOR NUMBER**	**TRAILER NUMBER/CAN NUMBER**	**DRIVER'S NAME**

NUMBER & TYPES	WEIGHT OR VOLUME	HAZ. MAT.	DESCRIPTION OF WASTE(S) PER 49 CFR	CUSTOMER CODE #
			Non Haz	

TYPE (CIRCLE ONE)

DUMP
VAN
ROLL-OFF
FLATBED
(Str.)

PLACARDS PROVIDED OR AFFIXED

SHIPPER'S CHECK LIST

- ☐ DOT LABELS APPLIED AND SECURE
- ☐ DOT AUTHORIZED CONTAINERS
- ☐ PROPER DOT NAME ON ALL PACKAGES
- ☐ CHECKED FOR PROPER SEALING

WHEN "RQ" QUANTITY RELEASED INTO ENVIRONMENT, IMMEDIATELY NOTIFY NAT. RESPONSE CENTER - 800-424-8802 AND 911 EMERGENCY SYSTEM OR LOCAL OPERATOR

EMERGENCY RESPONSE PHONE NUMBER:

973-768-5107

PICK UP

ARRIVAL DATE 5/17/19
ARRIVAL TIME 2:30 AM PM RELEASE TIME 3:00 AM PM

TRAILER EMPTY UPON ARRIVAL ☑ YES ☐ NO
(If not, explain below)

COMMENTS: (EXPLAIN ALL DELAYS)

SHIPPERS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

X _____ TITLE _____
SHIPPER'S SIGNATURE

DELIVERY

DRIVER _____ DATE _____
ARRIVAL TIME _____ AM PM RELEASE TIME _____ AM PM

TRAILER EMPTY UPON DEPARTURE ☐ YES ☐ NO
(If not, explain below)

COMMENTS: (EXPLAIN ALL DELAYS)

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

X _____
CONSIGNEE'S SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NONHAZARDOUS

2. Page 1 of: 1

3. Emergency Response Phone:

Tracking Number: 272790

5. Generator's Name and Mailing Address

Consolidated Edison of New York Inc
31-01 20th Ave
Bldg 136
Long Island City, NY 11105

Generator's Phone: 718-204-4331

Generator's Site Address (if different than mailing address)

Consolidated Edison of New York Inc
~~4 Woodworth Avenue~~ 119 Woodworth Ave E
Yonkers, NY 10701

6. Transporter 1 Company Name: IWT Transport Inc

U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032

U.S. EPA ID Number: NJD991291105

Facility's Phone: 9733444004

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-RCRA solids, D.O.T. Non-regulated	~~45~~ 44 E	DM	22,000	P	ID27
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

(1) 193080569 - Soil cuttings- nh

#206 LicPlate AU217N

Order#: 272790 - Note:

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/~~Offeror's~~ Printed/Typed Name: Richard H. Cosme

Signature

Month: 5 Day: 17 Year: 19

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris C.ifelli

Signature

Month: 5 Day: 17 Year: 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

TION: I hereby declare that the contents of this consign
ing name and

6/21/2019

Workorder: 277185

CLEANEARTH

RECYCLING & DISPOSAL SOLUTIONS

Customer: GEI CONSULTANTS INC.
Contact:
Phone: 781-721-4053
Job Site: Con Ed- 119 Woodworth Ave- GEI
119 Woodworth Avenue
Yonkers,NY 10701

Departed CEI	
Time	AM / PM
Arrived at Cust.	
Time 725	AM / PM
Departed Cust.	
Time 835	AM / PM
Arrived at CEI	
Time	AM / PM

Transporter: IWT Transport Inc-CENJ
Driver: Cifelli
EPA ID: NONHAZARDOUS

CONT. IN 206 | CONT. OUT

THE UNDERSIGNED AGREES THAT ALL THE ABOVE SERVICE INFORMATION IS CORRECT

CUSTOMER SIGNATURE [signature] PRINTED NAME Matthew Sandefur-GEI DATE 6/26/19

Wednesday 6/26/19
8:00am
Drum Pick up
Helpers onsite
Contact Matt Sandefur at 919-815-2058

Manifest.for.Workorder.277185

1 - 16 - 16.00 - DM - 193080675 - Purged Groundwater- NH

Manifest.for.Workorder.277185

2 - 7 - 7.00 - DM - 193080569 - Soil cuttings- nh

IWT TRANSPORT INC.

ENVIRONMENTAL SERVICE • HAZARDOUS WASTE MANAGEMENT

306 RAMAPO VALLEY ROAD, SUITE 2 • OAKLAND, NJ 07436
(201) 644-0485 • FAX: (201) 644-0489 • E:MAIL: dobrieniwt@optimum.net

ICC# MC787352
US DOT# 2306223
NJDEP# 0050277
NYDEC# NJ-880
EPA ID # NJR986628162

DATE 6/26/19

PICK UP (SHIPPER)	DELIVERY (CONSIGNEE)
NAME: Con Ed	NAME: Clean Earth
STREET: 119 Woodworth Ave.	STREET: 115 Jacobus Ave.
CITY: Yonkers STATE: NY ZIP CODE:	CITY: Kearny STATE: NJ ZIP CODE:
CONTACT NAME: Matt 919-815-2058	CONTACT NAME:
SCHEDULED TIME:	SCHEDULED TIME:

ADDITIONAL INFORMATION

CUSTOMER P.O. NO.	WORK ORDER NUMBER	MANIFEST NUMBER	BILLING REFERENCE
20-2829	1907P5		Clean 1927
LOAD NUMBER	**TRACTOR NUMBER**	**TRAILER NUMBER/CAN NUMBER**	**DRIVER'S NAME**

NUMBER & TYPES	WEIGHT OR VOLUME	HAZ. MAT.	DESCRIPTION OF WASTE(S) PER 49 CFR	CUSTOMER CODE #
			Non Haz Solid 7	
			Non Haz Liquid 16	

TYPE (CIRCLE ONE)	PLACARDS PROVIDED OR AFFIXED	WHEN "RQ" QUANTITY RELEASED INTO ENVIRONMENT, IMMEDIATELY NOTIFY NAT. RESPONSE CENTER - 800-424-8802 AND 911 EMERGENCY SYSTEM OR LOCAL OPERATOR	EMERGENCY RESPONSE PHONE NUMBER:
DUMP VAN ROLL-OFF FLATBED Str	SHIPPER'S CHECK LIST ☐ DOT LABELS APPLIED AND SECURE ☐ DOT AUTHORIZED CONTAINERS ☐ PROPER DOT NAME ON ALL PACKAGES ☐ CHECKED FOR PROPER SEALING		**973-768-5107**

PICK UP	DELIVERY
ARRIVAL DATE 6/26/19	DRIVER C. Felt DATE
ARRIVAL TIME 7:30 AM/PM RELEASE TIME 8:30 AM/PM	ARRIVAL TIME AM/PM RELEASE TIME AM/PM
TRAILER EMPTY UPON ARRIVAL ☐ YES ☐ NO (If not, explain below)	TRAILER EMPTY UPON DEPARTURE ☐ YES ☐ NO (If not, explain below)
COMMENTS: (EXPLAIN ALL DELAYS)	COMMENTS: (EXPLAIN ALL DELAYS)

SHIPPERS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

X _____ TITLE _____
SHIPPER'S SIGNATURE

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.
X _____
CONSIGNEE'S SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NONHAZARDOUS	1		# 277185

5. Generator's Name and Mailing Address

Attn: Melissa Reindl

Consolidated Edison of New York Inc
31-01 20th Ave
Bldg 136
Long Island City, NY 11105

Generator's Phone: 718-204-4331

Generator's Site Address (if different than mailing address)

Consolidated Edison of New York Inc
119 Woodworth Avenue
Yonkers, NY 10701

6. Transporter 1 Company Name

IWT Transport Inc

U.S. EPA ID Number: NJR986628162

7. Transporter 2 Company Name

U.S. EPA ID Number:

8. Designated Facility Name and Site Address

Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032

U.S. EPA ID Number: NJD991291105

Facility's Phone: 9733444004

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA liquids, D.O.T. Non-regulated	16	DM	880	P G	ID72
2.	Non-RCRA solids, D.O.T. Non-regulated	7	DM	3500	P	ID27
3.						
4.						

GENERATOR

13. Special Handling Instructions and Additional Information

(1) 193080675 - Purged Groundwater- NH (2) 193080569 - Soil cuttings- nh

TRUCK # 206 NJ LIC # AU-717N Order#: 277185 - Note:

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Richard H. Cosme | Signature | Month: 6 | Day: 26 | Year: 19

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris Ciffoli | Signature | Month: 6 | Day: 26 | Year: 19

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

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7/23/2019

Workorder: 281004

CLEANEARTH

RECYCLING & DISPOSAL SOLUTIONS

Customer: GEI CONSULTANTS INC.
Contact:
Phone: 781-721-4053
Job Site: Con Ed- 119 Woodworth Ave- GEI
119 Woodworth Avenue
Yonkers,NY 10701

Departed CEI	
Time	AM PM
Arrived at Cust	
Time	755 AM PM
Departed Cust.	
Time	9 30 AM PM
Arrived at CEI	
Time	AM PM

Transporter: IWT Transport Inc.-CENJ
EPA ID: NONHAZARDOUS
Driver: GREG JARRETT

CONT. IN: 106
CONT. OUT:

THE UNDERSIGNED AGREES THAT ALL THE ABOVE SERVICE INFORMATION IS CORRECT

CUSTOMER SIGNATURE _____ PRINTED NAME Charles Cohen DATE 7/25/19

Thursday 7/25/19
8am
Drum Pick up
Contact Matt Sandefur 919-815-2058

Manifest.for.Workorder.281004

1 - 13 - 13.00 - DM - 193080569 - Soil cuttings- nh

Manifest.for.Workorder.281004

2 - 5 - 5.00 - DM - 193080675 - Purged Groundwater- NH

Manifest.for.Workorder.281004

3 - 3 - 3.00 - DM - 193080905 - Used PPE and Sampling Equipment

Manifest.for.Workorder.281004

4 - 1 - 1.00 - DM - 193080906 - Purge NAPL and Groundwater

IWT TRANSPORT INC.

ENVIRONMENTAL SERVICE • HAZARDOUS WASTE MANAGEMENT

306 RAMAPO VALLEY ROAD, SUITE 2 • OAKLAND, NJ 07436
(201) 644-0485 • FAX: (201) 644-0489 • E:MAIL: dobrieniwt@optimum.net

ICC# MC787352
US DOT# 2306223
NJDEP# 0050277
NYDEC# NJ-880
EPA ID # NJR986628162

DATE 7/25/19

PICK UP		DELIVERY	
SHIPPER NAME	Con Ed	CONSIGNEE NAME	Clean Earth
STREET	119 Woodworth Ave.	STREET	105 Jacobus Ave.
CITY / STATE / ZIP CODE	Yonkers, NY	CITY / STATE / ZIP CODE	Kearny NJ
CONTACT NAME	Matt 914-815-2058	CONTACT NAME	
SCHEDULED TIME		SCHEDULED TIME	

ADDITIONAL INFORMATION

CUSTOMER P.O. NO.	WORK ORDER NUMBER	MANIFEST NUMBER	BILLING REFERENCE
708-22829	1190955		CLEAN1917
LOAD NUMBER	**TRACTOR NUMBER**	**TRAILER NUMBER/CAN NUMBER**	**DRIVER'S NAME**
	106		

NUMBER & TYPES	WEIGHT OR VOLUME	HAZ. MAT.	DESCRIPTION OF WASTE(S) PER 49 CFR	CUSTOMER CODE #
13			Soil Cutting NH	
5			PURGED GROUNDWATER NH	
3			USED PPE & SAMPLING EQUIPMENT	
1			PURGED NAPL & GROUNDWATER	

TYPE (CIRCLE ONE)

DUMP
VAN
ROLL-OFF
FLATBED
(STR)

PLACARDS PROVIDED OR AFFIXED

SHIPPER'S CHECK LIST

- ☐ DOT LABELS APPLIED AND SECURE
- ☐ DOT AUTHORIZED CONTAINERS
- ☐ PROPER DOT NAME ON ALL PACKAGES
- ☐ CHECKED FOR PROPER SEALING

WHEN "RQ" QUANTITY RELEASED INTO ENVIRONMENT, IMMEDIATELY NOTIFY NAT. RESPONSE CENTER - 800-424-8802 AND 911 EMERGENCY SYSTEM OR LOCAL OPERATOR

EMERGENCY RESPONSE PHONE NUMBER:

973-768-5107

PICK UP	DELIVERY
ARRIVAL DATE 7.25.19	DRIVER _____ DATE _____
ARRIVAL TIME 755 AM PM RELEASE TIME _____ AM PM	ARRIVAL TIME _____ AM PM RELEASE TIME _____ AM PM
TRAILER EMPTY UPON ARRIVAL ☐ YES ☐ NO (If not, explain below)	TRAILER EMPTY UPON DEPARTURE ☐ YES ☐ NO (If not, explain below)
COMMENTS: (EXPLAIN ALL DELAYS)	COMMENTS: (EXPLAIN ALL DELAYS)

SHIPPERS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

X _____ TITLE _____
SHIPPER'S SIGNATURE

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

X _____
CONSIGNEE'S SIGNATURE

Clean Earth of North Jersey, Inc.

115 Jacobus Avenue, Kearny, NJ 07032 (973) 344-4004

OFFICIAL USE ONLY

Approval Code D) _____ B) _____

Generic Code D) _____ B) _____

Customer # _____

LSR # _____

Master WPS ☐ Yes ☐ No

Technical Rep. Initials _____

Approval Date _____

Broker Name (if applicable) _____

NON-HAZARDOUS WASTE PROFILE SHEET

A. GENERATOR INFORMATION

Generator's Name Consolidated Edison of New York, Inc.

Mailing Address 31-01 20th Ave, Bldg 136, Long Island City, NY 11105

Waste Pickup Address 4Woodworth Avenue, Yonkers, NY

Tech Contact Melissa Reindl Phone 718 204-4331

Process Generating Waste Soil Borings and Sampling

Common Name of Waste Soil Cuttings

B. PHYSICAL/CHEMICAL CHARACTERISTIC

Physical State

- ☒ Solid
- ☐ **Liquid**
- ☐ Powder
- ☐ Semi-Solid
- ☐ Single Phase
- ☐ Bi-Layered
- ☐ Multi-Layered
- ☐ Gas/Aerosol

Flash Point (F/CC Liquids)

- ☐ <100
- ☐ ≥100 ≤140
- ☐ >140 ≤200
- ☐ >200

Ignitability (Solids)

☐ Yes ☒ No

Odor

☐ None ☒ Mild ☐ Strong

Describe naphthalene odor

Corrosivity (pH)

- ☐ ≤2.0
- ☐ 2.01 - 5.0
- ☒ 5.01 - 9.0
- ☐ 9.01 - 12.49
- ☐ ≥12.50

_____ Exact pH

Reactivity (PPM)

Total Cyanides	_____	☑ None
Amenable Cyanides	_____	☑ None
Reactive Sulfides	_____	☑ None
Water Reactive	☐ Yes	☒ No
Air Reactive	☐ Yes	☒ No
Shock Sensitive	☐ Yes	☒ No
Generates Toxic fumes when mixed with Water, Acid or Base	☐ Yes	☒ No

Color/Visual Description

brown soil

C. CHEMICAL COMPOSITION

	Range Min.-Max.	
Soil	100	%
		%
		%
		%
		%
		%
TOTAL		%

Please note: the total in the Range Min.-Max. column must equal 100%.

D. HAZARDOUS CHARACTERISTICS

- ☐ Radioactive
- ☐ Infectious
- ☐ Toxic
- ☐ Explosive
- ☐ Pyrophoric
- ☐ Oxidizer
- ☒ None of the above
- ☐ Compressed Gas
- ☐ Flammable Solid
- ☐ Organic Peroxide
- ☐ Shock Sensitive
- ☐ Reactive Metals

E. SHIPPING INFORMATION

- ☐ Bulk Liquid
- ☐ Bulk Solid
- ☐ Bulk Sludge
- ☐ Totes
- ☐ Other Describe _____
- ☒ Drums (Steel)
- ☐ Drums (Poly)

Quantity 55 gallons Per drum

7/19/2013

F. *OSH/SARA 313 REQUIREMENTS*

1. Health Hazard ☐ Immediate (Acute) Hazard ☐ Delayed (Chronic) Hazard ☒ None
2. Identify what chemicals and chemical categories as defined in 40 CFR Part 372 as well as the concentration in the waste stream.

_____

_____

_____

3. Identify any OSHA (29 CFR Part 1910 Subpart Z) Toxic and Hazardous Substances in the waste stream. List substance and %.

_____

_____

_____

G. *SHIPPING INFORMATION*

Is this a US DOT Hazardous Material? ☐ Yes ☒ No

Proper DOT shipping name Non-Hazardous Materials/Non-Regulated Materials

Hazard Class _____ UN/NA # _____ Packing Group _____ RQ _____

H. *WASTE DESCRIPTION*

Is this a US EPA Hazardous Waste? ☐ Yes ☒ No

Is this waste a treatment residue from a previously listed or characteristic hazardous waste? ☐ Yes ☒ No

If yes, explain _____

Is this waste a hazardous waste as defined by any state or local regulations? ☐ Yes ☒ No

If yes, explain _____

Does this waste contain any PCBs? ☒ Yes ☐ No If yes, indicate level 0.1 mg/kg TSCA Regulated? ☐ Yes ☒ No

Does this waste contain any Herbicides, Pesticides, Dioxin or Residue thereof? ☐ Yes ☒ No

Benzene NESHAP Applicability: Is this waste stream subject to management under National Emission Standards for Benzene Waste Operations as provided in 40 CFR Part 61?

☐ Yes ☒ No If yes, Benzene concentration _____

Are there any special handling instructions for the disposal of this waste? ☐ Yes ☒ No

If yes, specify _____

I. *SPECIAL HANDLING COMMENTS*

_____

_____

_____

_____

J. *OFFICIAL USE ONLY*

_____

_____

_____

_____

Approval Committee

Env _____

Ops _____

Tech _____

K. *WARRANTY*

I hereby warrant that the material transferred to Clean Earth of North Jersey (CENJ) for treatment, storage and/or disposal is not a hazardous or TSCA regulated waste nor is it contaminated with any hazardous waste or toxic substances and hereby agree to indemnify and hold Clean Earth of North Jersey (CENJ) harmless from any costs, damages or other liabilities resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet.

The information on this Waste Material Profile Sheet may have been prepared by other individuals. By signing below, I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards.

5/13/19	Melissa Reindl	Project Manager	
Date	Printed Name	Title	Generator Signature

Waste Profile CBU Sheet
Addendum

Generator Name Consolidated Edison of New York, Inc.

Address 31-01 20th Ave, Bldg 136

Long Island city, NY 11105

Customer Name _____

Approval Number _____

Does your waste stream contain any of the below constituents? ☐ Yes ☒ No

If yes, indicate either less than the listed value or state the actual level in the appropriate column.

Constituent	PPMW*	Less Than	Actual Level
Arsenic	4,000		
Cadmium	4,000		
Chromium +6	21,400		
Lead	80,000		
Mercury	80		
Beryllium	800		
Nickel	80,000		
Benzene	400		
Chlorobenzene	400		
Cumene	960		
Ethylene Glycol	56,000		
Methanol	4,800		
Methylene Chloride	880		
Methyl Ethyl Ketone	800		
Methyl Isobutyl Ketone	1,360		
Phenol	1,360		
Tetrachloroethylene	400		
Toluene	560		
Trichloroethylene	480		
Xylene	1,200		

*mg/Kg

Certification

I certify that the information provided to Clean Earth of North Jersey is complete and is an accurate representation of the waste.

Generator's Name Print Melissa Reindl

Signature _____

7/19/2013

Clean Earth of North Jersey, Inc.

115 Jacobus Avenue, Kearny, NJ 07032 (973) 344-4004

OFFICIAL USE ONLY

Approval Code D) _____ B) _____

Generic Code D) _____ B) _____

Customer # _____

LSR # _____

Master WPS ☐ Yes ☐ No

Technical Rep. Initials _____

Approval Date _____

Broker Name (if applicable) _____

NON-HAZARDOUS WASTE PROFILE SHEET

A. GENERATOR INFORMATION

Generator's Name Consolidated Edison of New York, Inc.

Mailing Address 31-01 20th Ave, Bldg 136, Long Island City, NY 11105

Waste Pickup Address 119 Woodworth Avenue, Yonkers, NY

Tech Contact Melissa Reindl Phone 718 204-4331

Process Generating Waste Groundwater Sampling

Common Name of Waste Purged Groudnwater

B. PHYSICAL/CHEMICAL CHARACTERISTIC

Physical State

- ☐ Solid
- ☒ **Liquid**
- ☐ Powder
- ☐ Semi-Solid
- ☐ Single Phase
- ☐ Bi-Layered
- ☐ Multi-Layered
- ☐ Gas/Aerosol

Flash Point (F/CC Liquids)

- ☐ <100
- ☐ ≥100 ≤140
- ☒ >140 ≤200
- ☐ >200

Ignitability (Solids)

- ☐ Yes ☒ No

Odor

☐ None ☒ Mild ☐ Strong

Describe naphthalene odor

Corrosivity (pH)

- ☐ ≤2.0
- ☐ 2.01 - 5.0
- ☒ 5.01 - 9.0
- ☐ 9.01 - 12.49
- ☐ ≥12.50

_____ Exact pH

Reactivity (PPM)

Total Cyanides not tested	☐ None	
Amenable Cyanides not tested	☐ None	
Reactive Sulfides not tested	☐ None	
Water Reactive	☐ Yes	☒ No
Air Reactive	☐ Yes	☒ No
Shock Sensitive	☐ Yes	☒ No
Generates Toxic fumes when mixed with Water, Acid or Base	☐ Yes	☒ No

Color/Visual Description

light brown water

C. CHEMICAL COMPOSITION

	Range Min.-Max.	
water	100	%
		%
		%
		%
		%
		%
TOTAL		%

Please note: the total in the Range Min.-Max. column must equal 100%.

D. HAZARDOUS CHARACTERISTICS

- ☐ Radioactive
- ☐ Infectious
- ☐ Toxic
- ☐ Explosive
- ☐ Pyrophoric
- ☐ Oxidizer
- ☒ None of the above
- ☐ Compressed Gas
- ☐ Flammable Solid
- ☐ Organic Peroxide
- ☐ Shock Sensitive
- ☐ Reactive Metals

E. SHIPPING INFORMATION

- ☐ Bulk Liquid
- ☐ Bulk Solid
- ☐ Bulk Sludge
- ☐ Totes
- ☐ Other Describe _____
- ☒ Drums (Steel)
- ☐ Drums (Poly)

Quantity 55 gallons Per drum

7/19/2013

F. *OSH/SARA 313 REQUIREMENTS*

1. Health Hazard ☐ Immediate (Acute) Hazard ☐ Delayed (Chronic) Hazard ☒ None
2. Identify what chemicals and chemical categories as defined in 40 CFR Part 372 as well as the concentration in the waste stream.

_____

_____

_____

3. Identify any OSHA (29 CFR Part 1910 Subpart Z) Toxic and Hazardous Substances in the waste stream. List substance and %.

_____

_____

_____

G. *SHIPPING INFORMATION*

Is this a US DOT Hazardous Material? ☐ Yes ☒ No

Proper DOT shipping name Non-Hazardous Materials/Non-Regulated Materials

Hazard Class _____ UN/NA # _____ Packing Group _____ RQ _____

H. *WASTE DESCRIPTION*

Is this a US EPA Hazardous Waste? ☐ Yes ☒ No

Is this waste a treatment residue from a previously listed or characteristic hazardous waste? ☐ Yes ☒ No

If yes, explain _____

Is this waste a hazardous waste as defined by any state or local regulations? ☐ Yes ☒ No

If yes, explain _____

Does this waste contain any PCBs? ☐ Yes ☒ No If yes, indicate level _____ TSCA Regulated? ☐ Yes ☒ No

Does this waste contain any Herbicides, Pesticides, Dioxin or Residue thereof? ☐ Yes ☒ No

Benzene NESHAP Applicability: Is this waste stream subject to management under National Emission Standards for Benzene Waste Operations as provided in 40 CFR Part 61?

☐ Yes ☒ No If yes, Benzene concentration _____

Are there any special handling instructions for the disposal of this waste? ☐ Yes ☒ No

If yes, specify _____

I. *SPECIAL HANDLING COMMENTS*

_____

_____

_____

_____

J. *OFFICIAL USE ONLY*

_____

_____

_____

_____

Approval Committee

Env _____

Ops _____

Tech _____

K. *WARRANTY*

I hereby warrant that the material transferred to Clean Earth of North Jersey (CENJ) for treatment, storage and/or disposal is not a hazardous or TSCA regulated waste nor is it contaminated with any hazardous waste or toxic substances and hereby agree to indemnify and hold Clean Earth of North Jersey (CENJ) harmless from any costs, damages or other liabilities resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet.

The information on this Waste Material Profile Sheet may have been prepared by other individuals. By signing below, I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards.

6/4/19	Melissa Reindl	Project Manager	
Date	Printed Name	Title	Generator Signature

Waste Profile CBU Sheet
Addendum

Generator Name Consolidated Edison of New York, Inc.

Address 31-01 20th Ave, Bldg 136

Long Island city, NY 11105

Customer Name _____

Approval Number _____

Does your waste stream contain any of the below constituents? ☐ Yes ☒ No

If yes, indicate either less than the listed value or state the actual level in the appropriate column.

Constituent	PPMW*	Less Than	Actual Level
Arsenic	4,000		
Cadmium	4,000		
Chromium +6	21,400		
Lead	80,000		
Mercury	80		
Beryllium	800		
Nickel	80,000		
Benzene	400		
Chlorobenzene	400		
Cumene	960		
Ethylene Glycol	56,000		
Methanol	4,800		
Methylene Chloride	880		
Methyl Ethyl Ketone	800		
Methyl Isobutyl Ketone	1,360		
Phenol	1,360		
Tetrachloroethylene	400		
Toluene	560		
Trichloroethylene	480		
Xylene	1,200		

*mg/Kg

Certification

I certify that the information provided to Clean Earth of North Jersey is complete and is an accurate representation of the waste.

Generator's Name Print Melissa Reindl

Signature _____

7/19/2013

Clean Earth of North Jersey, Inc.

115 Jacobus Avenue, Kearny, NJ 07032 (973) 344-4004

Approval Code D) _____ B) _____

Generic Code D) _____ B) _____

Customer # _____

LSR # _____

Master WPS ☐ Yes ☐ No

Technical Rep. Initials _____

Broker Name (if applicable) _____

Approval Date _____

A. GENERATOR INFORMATION

Generator's Name Consolidated Edison of NewYork, Inc.

Mailing Address 31-01 20th Ave, Bldg 136, Long Island City, NY 11105

Waste Pickup Address 119 Woodworth Ave, Yonkers, NY

EPA ID No. NYP005243902 MSDS Attached ☐ Yes ☒ No

Tech Contact Melissa Reindl Phone 718-204-4331

Common Name of Waste MGP Soil Cuttings

Process Generating Waste Soil Borings and Sampling

Biennial Report Codes: SIC Code _____ Source Code A _____ Form Code B _____

Origin Code _____ System Type _____

Is this waste from a plant closure or plant clean up? ☐ Yes ☒ No

B. PHYSICAL/CHEMICAL CHARACTERISTIC

REACTIVITY (PPM)

Total Cyanides none

Amenable Cyanides none

Reactive Sulfides none

Check if waste is:

- ☐ Water Reactive
- ☐ Air Reactive
- ☐ Shock Sensitive
- ☐ Generates Toxic Fumes when mixed with Acid, Base or H2O

ODOR

☐ None ☒ Mild ☐ Strong

Describe Naphthalene

COLOR brown

PHYSICAL STATE @ 70°F

- ☒ Solid
- ☐ Liquid
- ☐ Powder
- ☒ Semi-Solid
- ☐ Single Phase
- ☐ Bi-Layered
- ☐ Multi-Layered
- ☐ Gas/Aerosol

CORROSIVITY (pH)

- ☐ ≤2.0
- ☐ 2.01 - 5.0
- ☐ 5.01 - 9.0
- ☐ 9.01 - 12.49
- ☒ ≥12.50

_____ Exact pH

PERCENT LIQUID/SOLID

Total Solids 95 %

Suspended Solids _____ %

Free Liquid 5 %

Water _____ %

IGNITABILITY

Liquids:

Flash Point °F

- ☐ <100°
- ☐ ≥100° ≤140°
- ☐ >140° ≤200°
- ☐ >200°
- ☐ Actual

Ignitable Solids: ☐ Yes ☒ No

SPECIFIC GRAVITY

- ☐ <.8
- ☐ ≥.8 ≤1
- ☐ >1 ≤1.2
- ☐ >1.2

Exact: _____

C. CHEMICAL COMPOSITION

	Check if SARA Title III Sec 313	Check if SARA III EHS Sec 302	Range Min.-Max.
soil with grout/concrete	☐	☐	95 %
Water	☐	☐	5 %
	☐	☐	%
	☐	☐	%
	☐	☐	%
	☐	☐	%
	☐	☐	%
	☐	☐	%
	☐	☐	%
	☐	☐	%
	☐	☐	%
	☐	☐	%
	☐	☐	%
TOTAL			%

Please note the chemical composition total in the range (Max.) column must be greater than or equal to 100 percent.

D. TOXICITY CHARACTERISTICS

Contaminant	EPA Waste #	Regulatory Level (mg/L)	Actual Level
Arsenic	D004	5.0	BRL
Barium	D005	100.0	BRL
Cadmium	D006	1.0	BRL
Chromium	D007	5.0	BRL
Chromium CR+6	D007	5.0	BRL
Lead	D008	5.0	BRL
Mercury	D009	0.2	BRL
Selenium	D010	1.0	BRL
Silver	D011	5.0	BRL
Benzene	D018	0.5	BRL
Carbon Tetrachloride	D019	0.5	BRL
Chlordane	D020	0.03	BRL
Chlorobenzene	D021	100.0	BRL
Chloroform	D022	6.0	BRL
o-Cresol	D023	200.0 **	BRL
m-Cresol	D024	200.0 **	BRL
p-Cresol	D025	200.0 **	BRL
Cresol	D026	200.0 **	BRL
2,4-D	D016	10.0	BRL
1,4-Dichlorobenzene	D027	7.5	BRL
1,2-Dichloroethane	D028	0.5	BRL
1,1-Dichloroethylene	D029	0.7	BRL
2,4-Dinitrotoluene	D030	0.13 *	BRL
Endrin	D012	0.02	BRL
Heptachlor (and its epoxide)	D031	0.008	BRL
Hexachlorobenzene	D032	0.13 *	BRL
Hexachlorobutadiene	D033	0.5	BRL
Hexachloroethane	D034	3.0	BRL
Lindane	D013	0.4	BRL
Methoxychlor	D014	10.0	BRL
Methyl Ethyl Ketone	D035	200.0	BRL
Nitrobenzene	D036	2.0	BRL
Pentachlorophenol	D037	100.0	BRL
Pyridine	D038	5.0 *	BRL
Tetrachloroethylene	D039	0.7	BRL
Toxaphene	D015	0.5	BRL
Trichloroethylene	D040	0.5	BRL
2,4,5-Trichlorophenol	D041	400.0	BRL
2,4,6-Trichlorophenol	D042	2.0	BRL
2,4,5-TP (Silvex)	D017	1.0	BRL
Vinyl chloride	D043	0.2	BRL

* Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.

** If o-,m- and p-Cresol concentrations cannot be differentiated, the total Cresol (D026) concentration is used. The regulatory level of total Cresol is 200mg/L.

10/31/2016

E. HAZARDOUS CHARACTERISTICS

- ☐ Radioactive
- ☐ Infectious
- ☐ Toxic
- ☐ Explosive
- ☐ Pyrophoric
- ☐ Oxidizer
- ☒ Corrosive
- ☐ Other Describe _____
- ☐ Corrosive
- ☐ None of the above
- ☐ Compressed Gas
- ☐ Flammable Solid
- ☐ Organic Peroxide
- ☐ Shock Sensitive
- ☐ Reactive Metals (Specify in section C)

F. IDENTIFY THE HEALTH HAZARD CHARACTERISTICS FROM THE TABLE BELOW

Immediate (Acute) Health Hazard

- ☒ None
- ☐ Highly Toxic
- ☐ Toxic
- ☐ Irritant
- ☐ Sensitizer
- ☐ Corrosive
- ☐ Other Hazardous Chemicals with an adverse effect on a target organ that generally occurs as a result of short term exposure and with a short duration.

Delayed (Chronic) Health Hazard

- ☐ Carcinogens (if carcinogens are known to be in waste, specify the carcinogen in Section C)
- ☐ Other Hazardous Chemicals with an adverse effect on a target organ that generally occurs as a result of long term exposure and with a long duration.

G. SHIPPING INFORMATION

- ☐ Bulk Liquid
- ☐ Bulk Solid
- ☐ Bulk Sludge
- ☐ Other Describe _____
- ☒ Drums (Steel)
- ☐ Drums (Poly)

Shipping Frequency: Quantity 55 gallons Per drum

H. MANIFEST INFORMATION

Is this a DOT Hazardous Material? ☒ Yes ☐ No

Proper DOT shipping name (49CFR table 172.101) Waste Corrosive Liquids, basic, inorganic, n.o.s Rq. Units (lb/kg) _____

DOT Hazard Class / Division: 8 UN/UA UN3266 Packing Group (select one) ☐ I ☒ II ☐ III

Additional descriptions requirements (49CFR 172.203) _____

Emergency response telephone number (49CFR 172.604) _____ Contact (print name) _____

I. WASTE CHARACTERISTICS

Is this a US EPA Hazardous Waste? ☒ Yes ☐ No US EPA Hazardous Waste Number(s) D002 Hazard Codes _____

If yes, if the waste is a characteristic hazardous waste, does it contain underlying hazardous constituents (as defined at 40CRT 268.2(I)) Above the Universal Treatment Standard.

☐ Yes ☒ No If yes, please complete the UHC Waste Profile Addendum.

State Non-Hazardous Waste Number(s) _____

Does this waste contain any PCBs? ☐ Yes ☒ No If yes, indicate level _____ Are PCBs TSCA Regulated? ☐ Yes ☐ No

Does this waste contain any herbicides, pesticides, dioxin or residues thereof? ☐ Yes ☒ No If yes, list compound and concentration in Section C.

Is this waste prohibited from land disposal under 40CFR Part 268? ☒ Yes ☐ No

If yes, list waste subcategory description, if applicable _____ or check none ☐ None

Is this waste a (check one) ☒ Non-Wastewater ☐ Wastewater? (See 40CFR 268.2)

Benzene NESHAP applicability: Is waste subject to management under National Emission Standards for Benzene Waste Operations as provided in 40CFR Part 61 Subpart FF?

☐ Yes ☒ No If yes, give benzene concentration _____

If this waste is a RCRA Hazardous Waste, does it contain VOCs in concentrations ≥500 PPM (40CFR Subpart CC)? ☐ Yes ☒ No

Are there any special handling instructions for the disposal of this waste? ☐ Yes ☒ No If yes, specify _____

J. AUTHORIZATION TO CORRECT WMPS

I AUTHORIZE CLEAN EARTH OF NORTH JERSEY TO MAKE CORRECTIONS TO THIS WMPS. CORRECTIONS MUST BE CONSISTENT WITH THE RESULTS OF SAMPLE ANALYSIS AND REGULATORY REQUIREMENTS. I UNDERSTAND THAT A CORRECTED COPY OF THE WMPS WILL BE SENT TO ME.

Signature _____

K. SPECIAL HANDLING COMMENTS

L. OFFICIAL USE ONLY

M. APPROVAL

Safety _____

Environ _____

N. POLYCHLORINATED BIPHENYL (PCB), HERBICIDE, INSECTICIDE/ALUMINUM AND REACTIVE METAL WARRANTY

I hereby warrant that the material transferred to Clean Earth of North Jersey (CENJ) for transportation, treatment, storage and/or disposal is not radioactive waste, does not contain >1% asbestos and is not contaminated by either Polychlorinated Biphenyl or Herbicide/Pesticide/Insecticide or Dioxins or Furans of any value unless it is listed in Section C and approved by CENJ, nor does it contain Elemental Aluminum or Reactive Metal Paste, Powder, or Pigment unless it is listed in Section C and approved by CENJ and hereby agree to indemnify and hold CENJ harmless from any costs, damages, or other liability resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet, including the indemnification listed on the back page.

O. The information on this Waste Material Profile Sheet (WMPS) may have been prepared by other individuals. By signing Section O of this WMPS, I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards.

Date	Printed Name	Title	Signature
7/19/19	Melissa Reindl	Project Manager	M Reindl

Clean Earth of North Jersey has all of the appropriate permits for and will accept the waste that has been characterized/identified by this Approved Waste Material Profile Sheet.

Waste Profile CBU Sheet
Addendum

Generator Name Consolidated Edison of NewYork, Inc.

Address 31-01 20th Ave, Bldg 136

Long Island City, NY 11105

Customer Name _____

Approval Number _____

Does your waste stream contain any of the below constituents? ☐ Yes ☒ No

If yes, indicate either less than the listed value or state the actual level in the appropriate column.

Constituent	PPMW*	Less Than	Actual Level
Arsenic	4,000		
Cadmium	4,000		
Chromium +6	21,400		
Lead	80,000		
Mercury	80		
Beryllium	800		
Nickel	80,000		
Benzene	400		
Chlorobenzene	400		
Cumene	960		
Ethylene Glycol	56,000		
Methanol	4,800		
Methylene Chloride	880		
Methyl Ethyl Ketone	800		
Methyl Isobutyl Ketone	1,360		
Phenol	1,360		
Tetrachloroethylene	400		
Toluene	560		
Trichloroethylene	480		
Xylene	1,200		

*mg/Kg

Certification

I certify that the information provided to Clean Earth of North Jersey is complete and is an accurate representation of the waste.

Generator's Name Print Melissa Reindl

Signature MReindl

10/31/2016

WASTE MATERIAL PROFILE SHEET INSTRUCTIONS

The following information is required of all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. All questions must be answered and completed in ink. Response of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows:

PART A - GENERATOR INFORMATION

GENERATOR NAME AND ADDRESS- As notified to EPA.
MAILING ADDRESS- Should be the location that will manage the returned waste profile sheets and manifest.
US EPA ID- For the facility generating the waste.
TECHNICAL CONTACT- A person who could give additional information about the waste, if needed.
COMMON NAME OF WASTE- A name which will be generally descriptive of the waste; a generic classification (e.g., paint, oil and water).
PROCESS GENERATING WASTE- Specific descriptive process or source which generates the waste.

PART B - PHYSICAL/CHEMICAL CHARACTERISTICS OF WASTE

ODOR- If present, describe as well as possible (e.g., solvent, acrid, sweet).
COLOR- Self explanatory.
PHYSICAL STATE- Check as many as apply.
FLASH POINT/IGNITABILITY- A value attained using the appropriate testing method as set forth in 40CFR Part 261.21.
AIR REACTIVE- Will ignite spontaneously in air.
SHOCK SENSITIVE- Normally unstable and readily undergoes violent change without detonating.
GENERATES TOXIC FUMES- In sufficient quantity to endanger human health or the environment when mixed with water, acid or base.
PERCENT LIQUID/SOLID- List the % total solids, suspended solids, free liquids and water.
SPECIFIC GRAVITY- The weight of the water compared to the weight of an equal volume of the waste.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, Material Safety Data Sheets or other documents which adequately describe the composition of the waste must be provided. For each component indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5) indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTS D, F and/or H should be included, even if specific concentrations are not known. Any components listed in PARTS D, F, and/or H which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth or other components. If a unit of measure other than percent must be used, indicate that unit. Indicate which, if any, of the constituents are listed in SARA, Title III, Section 313. This list can be found at 40CFR Part 372. Also, indicate which, if any, of the constituents are listed in SARA, Title III, EHS Section 302. This list can be found at 40 CFR Part 355; Appendices A and B.

PART D - TOXICITY CHARACTERISTIC

Use the appropriate line to indicate the actual level, specified ranges or if below regulated level for each toxicity characteristic as defined by 40CFR Part 261.24.

PART E - HAZARDOUS CHARACTERISTICS

Complete if the waste exhibits any of the hazardous characteristics as per OSHA 29CFR Part 1910.1200 Hazard Communications Standard.

PART F - SARA/OSHA

See below for detailed directions.

PART G - SHIPPING INFORMATION

Indicate method of shipment and type of container. If drums, they must be as specified in 49CFR Part 173, 178 or 179. Indicate quantity to be shipped during specified time frame (e.g., 10 drums per month).

PART H - MANIFEST INFORMATION

Is the waste a US DOT hazardous material as defined in 49CFR Part 172.101? If yes, enter the **SHIPPING NAME, HAZARD CLASS/ DIVISION, DOT ID NUMBER, R.Q.** (Reportable Quantity) as defined in 49CFR and identify applicable **PACKAGING GROUP**. Enter the technical names of at least two most predominant components which contribute to the hazards of the mixture or solution for all proper shipping names found in 49CFR Part 172.203 (k)3. Enter the Emergency Response Telephone number and contact name as required by 49CFR Part 172.604.

PART I - WASTE CHARACTERISTICS

Use this section to properly list all applicable US EPA/STATE Hazardous Waste Numbers and identify any waste that may be prohibited from land disposal under 40CFR Part 268.

PART J - AUTHORIZATION TO CORRECT WMPS

Provide generator's signature in this section to allow CENJ to make corrections on the WMPS that are consistent with the results of sample analysis and regulatory requirements. Signing this section will help expedite the approval process in the event corrections need to be made.

PART K - SPECIAL HANDLING/ COMMENTS

Use this section to alert the handlers of the waste of any precautions that should be taken or if the waste requires special safety or personal protective equipment. Use this space to list any additional information that may help in managing this waste.

PARTS N/O - WARRANTIES/ SIGNATURE

Please read these warranties carefully. If any of these warranties cannot be certified, state the reason in Section K, Comments. The generator of the waste must sign and date the Generator's Waste Material Profile Sheet.

***PART F - CONTINUED, Instructions on Health Hazard Characterization**

Identify by checking the box which most appropriately describes the hazardous characteristics as defined below:

NONE
Self-explanatory.

HIGHLY TOXIC
(a) A chemical that has a median lethal dose (LD50) of 50 milligrams or less per kilogram of body weight when administered orally to albino rats weighing between 200 and 300 grams each.
(b) A chemical that has a median lethal dose (LD50) of 200 milligrams or less per kilogram of body weight when administered by continuous contact for 24 hours (or less if death occurs within 24 hours) with the bare skin of albino rabbits weighing between 2 and 3 kilograms each.
(c) A chemical that has a median lethal concentration (LC50) in the air of 200 parts per million by volume or less of gas or vapor, or 2 milligrams per liter or less of mist, fume or dust, when administered by continuous inhalation for one hour (or less if death occurs within one hour) to albino rats weighing between 200 and 300 grams each.

TOXIC
(a) A chemical that has median lethal dose (LD50) of more than 50 milligrams per kilogram but not more than 500 milligrams per kilogram of body weight when administered orally to albino rats weighing between 200 and 300 grams each.
(b) A chemical that has a median lethal dose (LD50) of more than 200 milligrams per kilogram but not more than 1000 milligrams per kilogram of body weight when administered by continuous contact for 24 hours (or less if death occurs within 24 hours) with the bare skin of

albino rabbits weighing between 2 and 3 kilograms each.
(c) A chemical that has a median lethal concentration (LC50) in air of more than 200 parts per million but not more than 2000 parts per million by volume of gas or vapor, or more than two milligrams per liter but not more than 20 milligrams per liter of mist, fume, or dust, when administered by continuous inhalation for one hour (or less if death occurs within one hour) to albino rats weighing between 200 and 300 grams each.

IRRITANT
Irritant means a chemical substance or mixture, not a corrosive which on immediate, prolonged or repeated contact with normal living tissues induces a local inflammatory response in the skin, eyes or mucous membranes per 16CFR Part 1500.41.

SENSITIZER
Sensitizer means a chemical substance or mixture that causes a substantial number of persons to develop a hypersensitive reaction in normal tissue upon reapplication of the chemical substance or mixture through an allergic or photodynamic reaction.

CORROSIVE
Corrosive Material means a chemical liquid or solid that causes visible destruction or irreversible alteration in human skin tissue at the site of contact or in the case of leakage from its packaging, a liquid that has a severe corrosion rate on steel.
(1) A Material is considered to be destructive or to cause irreversible alteration in skin tissue if, when tested on the intact skin of the albino rabbit by the method described in Appendix A of 49CFR Part 173, the structure of the tissue at the site of contact is destroyed or changed irreversibly after an exposure period of 4 hours or less.

(2) A liquid is considered to have a severe corrosive rate if its corrosion rate exceeds 0.250 inch per year (IPY) on steel (SAE 1020) at a test temperature of 103F.

OTHER HAZARDOUS CHEMICALS . . .
Short Term
Acute (short term) refers to the adverse effects that normally are evident immediately or shortly after the exposure. Appropriate information on the effects of inhalation and skin or eye exposure should be entered here. The information should be in the form of simple symptomatic statements such as "pale and nauseous," "dizzy feeling," "weak," "irritation," etc. Again, refer to supplier MSDSs, the NPCA Labeling Guide or any other appropriate source for hazard warning language.

CARCINOGENS
Carcinogen means a chemical which has been demonstrated to cause cancer in humans or to cause cancer in animals and, therefore, is considered capable of causing cancer in humans. A chemical is considered to be a carcinogen if:
(a) it has been evaluated by the International Agency for Research on Cancer (IARC) and found to be a carcinogen or potential carcinogen; or
(b) it is listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP) (latest edition); or
(c) it is regulated by OSHA as a carcinogen.

OTHER HAZARDUS CHEMICALS . . .
Long Term
Chronic (long term, cumulative) refers to the adverse effects that develop slowly over a long period of time or upon repeated prolonged exposure. Appropriate information on the effects of chronic overexposure should be reported here. Evidence of carcinogenicity, asbestosis, sensitization, etc., should be indicated here. Known or suspect mutagens or teratogens must also be identified here. Mutagen means those chemical or physical effects which can alter genetic material in an organism and results in physical or functional changes in all subsequent generations. Teratogen means a chemical which has been demonstrated to cause physical defects in the developing embryo.

SAMPLES
If the generator cannot properly characterize their waste, a representative sample must accompany each Waste Material Profile Sheet submitted to CENJ. The only exception would be for virgin material where a Material Safety Data Sheet (MSDS) has been submitted with the Profile Sheet.

All samples must be taken according to 40CFR Part 261 Appendix I or the New Jersey DEP Field Sampling Procedures Manual.

All samples must be packaged according to US DOT, US EPA and any other applicable regulations.

Each sample container must be properly labeled to comply with NJAC 7:26 - 8.2(A) 12ii and NJAC 8:59 - Subchapter 5 and any other applicable regulations.

A CENJ Chain of Custody Record must be completed and submitted with each sample. Samples which are not properly classified, described, packaged, marked, labeled and in the proper condition to transport according to the applicable regulations of the US DOT, OSHA, NJ DEP, New Jersey Worker and Community Right-to-Know Act and/or any other applicable regulations may be rejected and returned at the generator's expense.

INDEMNITY
Customer hereby agrees to indemnify and hold CENJ harmless from and against any and all loss, damage, suits, liability and expenses (including, but not limited to, reasonable investigation and legal expenses) arising out of any claim for loss of or damage to property, including CENJ's property, and injuries to or death of persons, including customer's or CENJ's employees, caused by or resulting from the negligence or willful misconduct or violation of any federal, state or local laws or regulations of customer, its employees or agents. CENJ hereby agrees to indemnify and hold customer harmless from and against all loss, damage, suits, liability and expenses (including, but not limited to, reasonable investigation and legal expenses) arising out of any claim for loss of or damage to property, including customer's property, and injuries to or death of persons, including CENJ's or customer's employees, to the extent caused by or resulting from the negligence or willful misconduct of CENJ, its employees or agents.

DISTRIBUTION OF COPIES
Retain a copy for your records. Send a copy of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address below.

Clean Earth of North Jersey, Inc.
115 Jacobus Avenue
Kearny, NJ 07032
T 973-344-4004
F 973-344-8652

Clean Earth of North Jersey, Inc.

115 Jacobus Avenue, Kearny, NJ 07032 (973) 344-4004

OFFICIAL USE ONLY

Approval Code D) _____ B) _____

Generic Code D) _____ B) _____

Customer # _____

LSR # _____

Master WPS ☐ Yes ☐ No

Technical Rep. Initials _____

Approval Date _____

Broker Name (if applicable) _____

NON-HAZARDOUS WASTE PROFILE SHEET

A. GENERATOR INFORMATION

Generator's Name Consolidated Edison of New York, Inc.

Mailing Address 31-01 20th Ave, Bldg 136, Long Island City, NY 11105

Waste Pickup Address 119 Woodworth Avenue, Yonkers, NY

Tech Contact Melissa Reindl Phone 718 204-4331

Process Generating Waste MGP Monitoring Well Sampling

Common Name of Waste Purged NAPL and Groundwater

B. PHYSICAL/CHEMICAL CHARACTERISTIC

Physical State

- ☐ Solid
- ☒ **Liquid**
- ☐ Powder
- ☐ Semi-Solid
- ☐ Single Phase
- ☐ Bi-Layered
- ☐ Multi-Layered
- ☐ Gas/Aerosol

Flash Point (F/CC Liquids)

- ☐ <100
- ☐ ≥100 ≤140
- ☒ >140 ≤200
- ☐ >200

Ignitability (Solids)

☐ Yes ☒ No

Odor

☐ None ☐ Mild ☒ Strong

Describe naphthalene odor

Corrosivity (pH)

- ☐ ≤2.0
- ☐ 2.01 - 5.0
- ☒ 5.01 - 9.0
- ☐ 9.01 - 12.49
- ☐ ≥12.50

_____ Exact pH

Reactivity (PPM)

Total Cyanides not tested	☐ None	
Amenable Cyanides not tested	☐ None	
Reactive Sulfides _____	☑ None	
Water Reactive	☐ Yes	☒ No
Air Reactive	☐ Yes	☒ No
Shock Sensitive	☐ Yes	☒ No
Generates Toxic fumes when mixed with Water, Acid or Base	☐ Yes	☒ No

Color/Visual Description

brown water

C. CHEMICAL COMPOSITION

	Range Min.-Max.	
water	80	%
NAPL	20	%
		%
		%
		%
		%
TOTAL	100	%

Please note: the total in the Range Min.-Max. column must equal 100%.

D. HAZARDOUS CHARACTERISTICS

- ☐ Radioactive
- ☐ Infectious
- ☐ Toxic
- ☐ Explosive
- ☐ Pyrophoric
- ☐ Oxidizer
- ☒ None of the above
- ☐ Compressed Gas
- ☐ Flammable Solid
- ☐ Organic Peroxide
- ☐ Shock Sensitive
- ☐ Reactive Metals

E. SHIPPING INFORMATION

- ☐ Bulk Liquid
- ☐ Bulk Solid
- ☐ Bulk Sludge
- ☐ Totes
- ☐ Other Describe _____
- ☒ Drums (Steel)
- ☐ Drums (Poly)

Quantity 55 gallons Per drum

7/19/2013

F. *OSH/SARA 313 REQUIREMENTS*

1. Health Hazard ☐ Immediate (Acute) Hazard ☐ Delayed (Chronic) Hazard ☒ None
2. Identify what chemicals and chemical categories as defined in 40 CFR Part 372 as well as the concentration in the waste stream.

_____

_____

_____

3. Identify any OSHA (29 CFR Part 1910 Subpart Z) Toxic and Hazardous Substances in the waste stream. List substance and %.

_____

_____

_____

G. *SHIPPING INFORMATION*

Is this a US DOT Hazardous Material? ☐ Yes ☒ No

Proper DOT shipping name Non-Hazardous Materials/Non-Regulated Materials

Hazard Class _____ UN/NA # _____ Packing Group _____ RQ _____

H. *WASTE DESCRIPTION*

Is this a US EPA Hazardous Waste? ☐ Yes ☒ No

Is this waste a treatment residue from a previously listed or characteristic hazardous waste? ☐ Yes ☒ No

If yes, explain _____

Is this waste a hazardous waste as defined by any state or local regulations? ☐ Yes ☒ No

If yes, explain _____

Does this waste contain any PCBs? ☐ Yes ☒ No If yes, indicate level _____ TSCA Regulated? ☐ Yes ☒ No

Does this waste contain any Herbicides, Pesticides, Dioxin or Residue thereof? ☐ Yes ☒ No

Benzene NESHAP Applicability: Is this waste stream subject to management under National Emission Standards for Benzene Waste Operations as provided in 40 CFR Part 61?

☐ Yes ☒ No If yes, Benzene concentration _____

Are there any special handling instructions for the disposal of this waste? ☐ Yes ☒ No

If yes, specify _____

I. *SPECIAL HANDLING COMMENTS*

_____

_____

_____

_____

J. *OFFICIAL USE ONLY*

_____

_____

_____

_____

Approval Committee

Env _____

Ops _____

Tech _____

K. *WARRANTY*

I hereby warrant that the material transferred to Clean Earth of North Jersey (CENJ) for treatment, storage and/or disposal is not a hazardous or TSCA regulated waste nor is it contaminated with any hazardous waste or toxic substances and hereby agree to indemnify and hold Clean Earth of North Jersey (CENJ) harmless from any costs, damages or other liabilities resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet.

The information on this Waste Material Profile Sheet may have been prepared by other individuals. By signing below, I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards.

7/19/19	Melissa Randl	Project Manager	MRandl
Date	Printed Name	Title	Generator Signature

Waste Profile CBU Sheet
Addendum

Generator Name Consolidated Edison of New York, Inc.

Address 31-01 20th Ave, Bldg 136

Long Island city, NY 11105

Customer Name _____

Approval Number _____

Does your waste stream contain any of the below constituents? ☐Yes ☒No

If yes, indicate either less than the listed value or state the actual level in the appropriate column.

Constituent	PPMW*	Less Than	Actual Level
Arsenic	4,000		12.8
Cadmium	4,000	>1	
Chromium +6	21,400	>2.5	
Lead	80,000		1.14
Mercury	80		0.0434
Beryllium	800	>800	
Nickel	80,000	>80,000	
Benzene	400		4.5
Chlorobenzene	400	>0.5	
Cumene	960	>960	
Ethylene Glycol	56,000	>56,000	
Methanol	4,800	>4,800	
Methylene Chloride	880	>880	
Methyl Ethyl Ketone	800	>800	
Methyl Isobutyl Ketone	1,360	>1,360	
Phenol	1,360	>1,360	
Tetrachloroethylene	400	>0.5	
Toluene	560	>560	
Trichloroethylene	480	>0.5	
Xylene	1,200	>1,200	

*mg/Kg

Certification

I certify that the information provided to Clean Earth of North Jersey is complete and is an accurate representation of the waste.

Generator's Name Print Melissa Reindl

Signature _____

7/19/2013

Clean Earth of North Jersey, Inc.

115 Jacobus Avenue, Kearny, NJ 07032 (973) 344-4004

OFFICIAL USE ONLY

Approval Code D) _____ B) _____

Generic Code D) _____ B) _____

Customer # _____

LSR # _____

Master WPS ☐ Yes ☐ No

Technical Rep. Initials _____

Approval Date _____

Broker Name (if applicable) _____

NON-HAZARDOUS WASTE PROFILE SHEET

A. GENERATOR INFORMATION

Generator's Name Consolidated Edison of New York, Inc.

Mailing Address 31-01 20th Ave, Bldg 136, Long Island City, NY 11105

Waste Pickup Address 119 Woodworth Avenue, Yonkers, NY

Tech Contact Melissa Reindl Phone 718 204-4331

Process Generating Waste MGP Soil Borings and Sampling

Common Name of Waste Used PPE and Sampling Equipment

B. PHYSICAL/CHEMICAL CHARACTERISTIC

Physical State

- ☒ Solid
- ☐ **Liquid**
- ☐ Powder
- ☐ Semi-Solid
- ☐ Single Phase
- ☐ Bi-Layered
- ☐ Multi-Layered
- ☐ Gas/Aerosol

Flash Point (F/CC Liquids)

- ☐ <100
- ☐ ≥100 ≤140
- ☐ >140 ≤200
- ☐ >200

Ignitability (Solids)

☐ Yes ☒ No

Odor

☐ None ☒ Mild ☐ Strong

Describe naphthalene odor

Corrosivity (pH)

- ☐ ≤2.0
- ☐ 2.01 - 5.0
- ☒ 5.01 - 9.0
- ☐ 9.01 - 12.49
- ☐ ≥12.50

_____ Exact pH

Reactivity (PPM)

Total Cyanides	_____	☑ None
Amenable Cyanides	_____	☑ None
Reactive Sulfides	_____	☑ None
Water Reactive	☐ Yes	☒ No
Air Reactive	☐ Yes	☒ No
Shock Sensitive	☐ Yes	☒ No
Generates Toxic fumes when mixed with Water, Acid or Base	☐ Yes	☒ No

Color/Visual Description

PPE (gloves) and debris

Plastic

Geoprobe Core Liners

Paper Towels

C. CHEMICAL COMPOSITION

	Range Min.-Max.
PPE (gloves), debris, plastic, paper towels contaminated with MGP waste	100 %
	%
	%
	%
	%
	%
TOTAL	100 %

Please note: the total in the Range Min.-Max. column must equal 100%.

D. HAZARDOUS CHARACTERISTICS

- ☐ Radioactive
- ☐ Infectious
- ☐ Toxic
- ☐ Explosive
- ☐ Pyrophoric
- ☐ Oxidizer
- ☒ None of the above
- ☐ Compressed Gas
- ☐ Flammable Solid
- ☐ Organic Peroxide
- ☐ Shock Sensitive
- ☐ Reactive Metals

E. SHIPPING INFORMATION

- ☐ Bulk Liquid
- ☐ Bulk Solid
- ☐ Bulk Sludge
- ☐ Totes
- ☐ Other Describe _____
- ☒ Drums (Steel)
- ☐ Drums (Poly)

Quantity 55 gallons Per drum

7/19/2013

F. *OSH/SARA 313 REQUIREMENTS*

1. Health Hazard ☐ Immediate (Acute) Hazard ☐ Delayed (Chronic) Hazard ☒ None
2. Identify what chemicals and chemical categories as defined in 40 CFR Part 372 as well as the concentration in the waste stream.

_____

_____

_____

3. Identify any OSHA (29 CFR Part 1910 Subpart Z) Toxic and Hazardous Substances in the waste stream. List substance and %.

_____

_____

_____

G. *SHIPPING INFORMATION*

Is this a US DOT Hazardous Material? ☐ Yes ☒ No

Proper DOT shipping name Non-Hazardous Materials/Non-Regulated Materials

Hazard Class _____ UN/NA # _____ Packing Group _____ RQ _____

H. *WASTE DESCRIPTION*

Is this a US EPA Hazardous Waste? ☐ Yes ☒ No

Is this waste a treatment residue from a previously listed or characteristic hazardous waste? ☐ Yes ☒ No

If yes, explain _____

Is this waste a hazardous waste as defined by any state or local regulations? ☐ Yes ☒ No

If yes, explain _____

Does this waste contain any PCBs? ☐ Yes ☒ No If yes, indicate level _____ TSCA Regulated? ☐ Yes ☒ No

Does this waste contain any Herbicides, Pesticides, Dioxin or Residue thereof? ☐ Yes ☒ No

Benzene NESHAP Applicability: Is this waste stream subject to management under National Emission Standards for Benzene Waste Operations as provided in 40 CFR Part 61?

☐ Yes ☒ No If yes, Benzene concentration _____

Are there any special handling instructions for the disposal of this waste? ☐ Yes ☒ No

If yes, specify _____

I. *SPECIAL HANDLING COMMENTS*

_____

_____

_____

_____

J. *OFFICIAL USE ONLY*

_____

_____

_____

_____

Approval Committee

Env _____

Ops _____

Tech _____

K. *WARRANTY*

I hereby warrant that the material transferred to Clean Earth of North Jersey (CENJ) for treatment, storage and/or disposal is not a hazardous or TSCA regulated waste nor is it contaminated with any hazardous waste or toxic substances and hereby agree to indemnify and hold Clean Earth of North Jersey (CENJ) harmless from any costs, damages or other liabilities resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet.

The information on this Waste Material Profile Sheet may have been prepared by other individuals. By signing below, I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards.

7/19/19	Melissa Reindl	Project Manager	Melissa Reindl
Date	Printed Name	Title	Generator Signature

Waste Profile CBU Sheet
Addendum

Generator Name Consolidated Edison of New York, Inc.

Address 31-01 20th Ave, Bldg 136

Long Island city, NY 11105

Customer Name _____

Approval Number _____

Does your waste stream contain any of the below constituents? ☐ Yes ☒ No

If yes, indicate either less than the listed value or state the actual level in the appropriate column.

Constituent	PPMW*	Less Than	Actual Level
Arsenic	4,000		
Cadmium	4,000		
Chromium +6	21,400		
Lead	80,000		
Mercury	80		
Beryllium	800		
Nickel	80,000		
Benzene	400		
Chlorobenzene	400		
Cumene	960		
Ethylene Glycol	56,000		
Methanol	4,800		
Methylene Chloride	880		
Methyl Ethyl Ketone	800		
Methyl Isobutyl Ketone	1,360		
Phenol	1,360		
Tetrachloroethylene	400		
Toluene	560		
Trichloroethylene	480		
Xylene	1,200		

*mg/Kg

Certification

I certify that the information provided to Clean Earth of North Jersey is complete and is an accurate representation of the waste.

Generator's Name Print Melissa Reindl

Signature MReindl

7/19/2013

Laboratory Analytical Reports for Woodworth Avenue Former MGP Waste Profiles

Eurofins Test America Laboratories
Edison, New Jersey

Soil Waste Characterization Laboratory Analytical Report

Water Waste Characterization Laboratory Analytical Report

NAPL Waste Characterization Laboratory Analytical Report

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-178723-1
Client Project/Site: Con Edison - Woodworth Ave MGP

For:
GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, Connecticut 06033

Attn: Melissa Felter

Authorized for release by:
4/16/2019 9:37:06 AM
Allison Bennett, Project Manager I
(732)593-2517
allison.bennett@testamericainc.com

Designee for

Melissa Haas, Project Manager I
(203)944-1310
melissa.haas@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Allison Bennett
Project Manager I
4/16/2019 9:37:06 AM

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Definitions/Glossary

Client: GEI Consultants, Inc.
Job ID: 460-178723-1
Project/Site: Con Edison - Woodworth Ave MGP

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-178723-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: GEI Consultants, Inc.

Project: Con Edison - Woodworth Ave MGP

Report Number: 460-178723-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 4/3/2019 3:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.2º C, 1.3º C and 1.9º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample WC-1 (460-178723-1) was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C (1311). The samples were leached on 04/04/2019 and analyzed on 04/13/2019.

Sample WC-1 (460-178723-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the TCLP volatiles analysis.

All quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Sample WC-1 (460-178723-1) was analyzed for TCLP Semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 1311/8270D. The samples were leached on 04/06/2019, prepared on 04/08/2019 and analyzed on 04/09/2019.

No difficulties were encountered during the TCLP semivolatiles analysis.

All quality control parameters were within the acceptance limits.

TCLP CHLORINATED HERBICIDES
Sample WC-1 (460-178723-1) was analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/ 8151A. The samples were leached on 04/06/2019, and prepared and analyzed on 04/09/2019.

Job ID: 460-178723-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

No difficulties were encountered during the TCLP herbicides analysis.

All quality control parameters were within the acceptance limits.

TCLP PESTICIDES

Sample WC-1 (460-178723-1) was analyzed for TCLP pesticides in accordance with EPA SW-846 Methods 1311/ 8081B. The samples were leached on 04/06/2019, prepared on 04/08/2019 and analyzed on 04/09/2019.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-601028 and analytical batch 460-601292 recovered outside control limits for the following analytes: Endrin and Heptachlor epoxide . These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-601028 and analytical batch 460-601292 recovered outside control limits for the following analytes: cis-Chlordane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the TCLP pesticides analysis.

All quality control parameters were within the acceptance limits.

TCLP METALS

Sample WC-1 (460-178723-1) was analyzed for TCLP metals in accordance with 6010D. The samples were leached on 04/06/2019, prepared on 04/07/2019 and analyzed on 04/08/2019.

Cadmium exceeded the RPD limit for the duplicate of sample 460-178591-3.

Refer to the QC report for details.

No other difficulties were encountered during the TCLP metals analysis.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Sample WC-1 (460-178723-1) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 04/06/2019, and prepared and analyzed on 04/11/2019.

No difficulties were encountered during the TCLP Hg analysis.

All quality control parameters were within the acceptance limits.

IGNITABILITY

Sample WC-1 (460-178723-1) was analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 04/11/2019.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

REACTIVE CYANIDE

Sample WC-1 (460-178723-1) was analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 04/15/2019.

No difficulties were encountered during the reactive cyanide analysis.

Job ID: 460-178723-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE

Sample WC-1 (460-178723-1) was analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 04/15/2019.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Sample WC-1 (460-178723-1) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 04/11/2019.

No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-178723-1

Client Sample ID: WC-1

Lab Sample ID: 460-178723-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.026		0.010	0.0043	mg/L	10		8260C	TCLP
Vinyl chloride	0.0052	J	0.010	0.0017	mg/L	10		8260C	TCLP
Arsenic	0.016	J	0.075	0.013	mg/L	5		6010D	TCLP
Barium	1.2		1.0	0.038	mg/L	5		6010D	TCLP
Cadmium	0.0049	J	0.020	0.0011	mg/L	5		6010D	TCLP
Chromium	0.011	J	0.050	0.0063	mg/L	5		6010D	TCLP
Lead	0.85		0.050	0.012	mg/L	5		6010D	TCLP
Mercury	0.00013	J	0.00020	0.00012	mg/L	1		7470A	TCLP
pH	7.7	HF			SU	1		9045D	Total/NA
Corrosivity	7.7	HF			SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC-1

Date Collected: 04/02/19 11:00
Date Received: 04/03/19 15:00

Lab Sample ID: 460-178723-1

Matrix: Solid

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0012	mg/L			04/13/19 03:11	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			04/13/19 03:11	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0076	mg/L			04/13/19 03:11	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			04/13/19 03:11	10
Benzene	**0.026**		0.010	0.0043	mg/L			04/13/19 03:11	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			04/13/19 03:11	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			04/13/19 03:11	10
Chloroform	0.010	U	0.010	0.0033	mg/L			04/13/19 03:11	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			04/13/19 03:11	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			04/13/19 03:11	10
Vinyl chloride	**0.0052**	**J**	0.010	0.0017	mg/L			04/13/19 03:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*74 - 132*		*04/13/19 03:11*	*10*
4-Bromofluorobenzene	*97*		*77 - 124*		*04/13/19 03:11*	*10*
Dibromofluoromethane (Surr)	*109*		*72 - 131*		*04/13/19 03:11*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/13/19 03:11*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.0013	mg/L		04/08/19 09:03	04/09/19 01:53	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		04/08/19 09:03	04/09/19 01:53	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		04/08/19 09:03	04/09/19 01:53	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		04/08/19 09:03	04/09/19 01:53	1
2-Methylphenol	0.010	U	0.010	0.00030	mg/L		04/08/19 09:03	04/09/19 01:53	1
3 & 4 Methylphenol	0.010	U	0.010	0.00020	mg/L		04/08/19 09:03	04/09/19 01:53	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		04/08/19 09:03	04/09/19 01:53	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00080	mg/L		04/08/19 09:03	04/09/19 01:53	1
Hexachloroethane	0.0020	U	0.0020	0.0012	mg/L		04/08/19 09:03	04/09/19 01:53	1
Nitrobenzene	0.0010	U	0.0010	0.00060	mg/L		04/08/19 09:03	04/09/19 01:53	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		04/08/19 09:03	04/09/19 01:53	1
Pyridine	0.010	U	0.010	0.0019	mg/L		04/08/19 09:03	04/09/19 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*26 - 139*	*04/08/19 09:03*	*04/09/19 01:53*	*1*
2-Fluorobiphenyl	*75*		*45 - 107*	*04/08/19 09:03*	*04/09/19 01:53*	*1*
2-Fluorophenol (Surr)	*39*		*25 - 58*	*04/08/19 09:03*	*04/09/19 01:53*	*1*
Nitrobenzene-d5 (Surr)	*91*		*51 - 108*	*04/08/19 09:03*	*04/09/19 01:53*	*1*
Phenol-d5 (Surr)	*28*		*14 - 39*	*04/08/19 09:03*	*04/09/19 01:53*	*1*
Terphenyl-d14 (Surr)	*103*		*40 - 148*	*04/08/19 09:03*	*04/09/19 01:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		04/08/19 08:10	04/09/19 14:50	1
cis-Chlordane	0.00050	U *	0.00050	0.0000020	mg/L		04/08/19 08:10	04/09/19 14:50	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		04/08/19 08:10	04/09/19 14:50	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		04/08/19 08:10	04/09/19 14:50	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		04/08/19 08:10	04/09/19 14:50	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		04/08/19 08:10	04/09/19 14:50	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		04/08/19 08:10	04/09/19 14:50	1

Client Sample ID: WC-1

Date Collected: 04/02/19 11:00
Date Received: 04/03/19 15:00

Lab Sample ID: 460-178723-1

Matrix: Solid

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		04/08/19 08:10	04/09/19 14:50	1
trans-Chlordane	0.00050	U	0.00050	0.0000030	mg/L		04/08/19 08:10	04/09/19 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*10 - 150*	*04/08/19 08:10*	*04/09/19 14:50*	*1*
DCB Decachlorobiphenyl	*53*		*10 - 150*	*04/08/19 08:10*	*04/09/19 14:50*	*1*
Tetrachloro-m-xylene	*129*		*12 - 136*	*04/08/19 08:10*	*04/09/19 14:50*	*1*
Tetrachloro-m-xylene	*130*		*12 - 136*	*04/08/19 08:10*	*04/09/19 14:50*	*1*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		04/09/19 01:23	04/09/19 11:23	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		04/09/19 01:23	04/09/19 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*135*		*54 - 150*	*04/09/19 01:23*	*04/09/19 11:23*	*1*
2,4-Dichlorophenylacetic acid	*133*		*54 - 150*	*04/09/19 01:23*	*04/09/19 11:23*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.016**	**J**	0.075	0.013	mg/L		04/07/19 14:45	04/08/19 16:48	5
Barium	**1.2**		1.0	0.038	mg/L		04/07/19 14:45	04/08/19 16:48	5
Cadmium	**0.0049**	**J**	0.020	0.0011	mg/L		04/07/19 14:45	04/08/19 16:48	5
Chromium	**0.011**	**J**	0.050	0.0063	mg/L		04/07/19 14:45	04/08/19 16:48	5
Lead	**0.85**		0.050	0.012	mg/L		04/07/19 14:45	04/08/19 16:48	5
Selenium	0.10	U	0.10	0.033	mg/L		04/07/19 14:45	04/08/19 16:48	5
Silver	0.050	U	0.050	0.0054	mg/L		04/07/19 14:45	04/08/19 16:48	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00013**	**J**	0.00020	0.00012	mg/L		04/11/19 14:30	04/11/19 16:18	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**	**HF**			SU			04/11/19 00:00	1
Corrosivity	**7.7**	**HF**			SU			04/11/19 00:00	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			04/11/19 22:57	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		04/15/19 10:00	04/15/19 15:00	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		04/15/19 10:00	04/15/19 15:00	1

Surrogate Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-178723-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
LCS 460-600670/4	Lab Control Sample	96	99	99	96
LCS 460-602265/3	Lab Control Sample	111	101	104	102
LCSD 460-600670/5	Lab Control Sample Dup	106	111	110	107
LCSD 460-602265/4	Lab Control Sample Dup	111	102	105	102
MB 460-600670/8	Method Blank	97	95	97	95
MB 460-602265/8	Method Blank	115	97	107	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
460-178723-1	WC-1	120	97	109	100
LB 460-600397/1-A	Method Blank	99	97	99	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(26-139)	(45-107)	(25-58)	(51-108)	(14-39)	(40-148)
LCS 460-601041/2-A	Lab Control Sample	107	84	42	93	31	105
LCSD 460-601041/3-A	Lab Control Sample Dup	107	83	41	91	31	105
MB 460-601041/1-A	Method Blank	103	81	40	93	29	108

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: GEI Consultants, Inc. Job ID: 460-178723-1
Project/Site: Con Edison - Woodworth Ave MGP

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(26-139)	(45-107)	(25-58)	(51-108)	(14-39)	(40-148)
460-178723-1	WC-1	102	75	39	91	28	103
LB 460-600874/1-F	Method Blank	90	70	32	85	22	101

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(12-136)	(12-136)
LCS 460-601028/2-A	Lab Control Sample	108	104	96	108
LCSD 460-601028/3-A	Lab Control Sample Dup	95	82	86	86
MB 460-601028/1-A	Method Blank	67	61	61	58

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(12-136)	(12-136)
460-178723-1	WC-1	57	53	129	130
LB 460-600874/1-D	Method Blank	77	75	88	97

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(54-150)	(54-150)
LCS 460-601208/2-A	Lab Control Sample	137	138
LCSD 460-601208/3-A	Lab Control Sample Dup	134	129
MB 460-601208/1-A	Method Blank	131	121

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Surrogate Summary

Client: GEI Consultants, Inc.
Job ID: 460-178723-1
Project/Site: Con Edison - Woodworth Ave MGP

Method: 8151A - Herbicides (GC)

Matrix: Solid
Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCPAA1 (54-150)	DCPAA2 (54-150)								
460-178723-1	WC-1	135	133								
LB 460-600874/1-H	Method Blank	134	129								

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-600670/8
Matrix: Solid
Analysis Batch: 600670

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00012	mg/L			04/05/19 13:36	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			04/05/19 13:36	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00076	mg/L			04/05/19 13:36	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			04/05/19 13:36	1
Benzene	0.0010	U	0.0010	0.00043	mg/L			04/05/19 13:36	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			04/05/19 13:36	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			04/05/19 13:36	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			04/05/19 13:36	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			04/05/19 13:36	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			04/05/19 13:36	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			04/05/19 13:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*		*04/05/19 13:36*	*1*
4-Bromofluorobenzene	*95*		*77 - 124*		*04/05/19 13:36*	*1*
Dibromofluoromethane (Surr)	*97*		*72 - 131*		*04/05/19 13:36*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*04/05/19 13:36*	*1*

Lab Sample ID: LCS 460-600670/4
Matrix: Solid
Analysis Batch: 600670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0202		mg/L		101	74 - 123
1,2-Dichloroethane	0.0200	0.0199		mg/L		99	76 - 121
1,4-Dichlorobenzene	0.0200	0.0181		mg/L		90	80 - 120
2-Butanone (MEK)	0.100	0.0941		mg/L		94	64 - 120
Benzene	0.0200	0.0213		mg/L		106	77 - 121
Carbon tetrachloride	0.0200	0.0187		mg/L		93	70 - 132
Chlorobenzene	0.0200	0.0193		mg/L		97	80 - 120
Chloroform	0.0200	0.0208		mg/L		104	80 - 120
Tetrachloroethene	0.0200	0.0190		mg/L		95	78 - 122
Trichloroethene	0.0200	0.0196		mg/L		98	77 - 120
Vinyl chloride	0.0200	0.0196		mg/L		98	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*74 - 132*
4-Bromofluorobenzene	*99*		*77 - 124*
Dibromofluoromethane (Surr)	*99*		*72 - 131*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 460-600670/5
Matrix: Solid
Analysis Batch: 600670

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0230		mg/L		115	74 - 123	13	30
1,2-Dichloroethane	0.0200	0.0224		mg/L		112	76 - 121	12	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-600670/5
Matrix: Solid
Analysis Batch: 600670

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0200	0.0199		mg/L		99	80 - 120	9	30
2-Butanone (MEK)	0.100	0.105		mg/L		105	64 - 120	11	30
Benzene	0.0200	0.0237		mg/L		119	77 - 121	11	30
Carbon tetrachloride	0.0200	0.0210		mg/L		105	70 - 132	12	30
Chlorobenzene	0.0200	0.0216		mg/L		108	80 - 120	11	30
Chloroform	0.0200	0.0232		mg/L		116	80 - 120	11	30
Tetrachloroethene	0.0200	0.0216		mg/L		108	78 - 122	13	30
Trichloroethene	0.0200	0.0217		mg/L		108	77 - 120	10	30
Vinyl chloride	0.0200	0.0226		mg/L		113	62 - 138	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*74 - 132*
4-Bromofluorobenzene	*111*		*77 - 124*
Dibromofluoromethane (Surr)	*110*		*72 - 131*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: MB 460-602265/8
Matrix: Solid
Analysis Batch: 602265

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00012	mg/L			04/12/19 21:45	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			04/12/19 21:45	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00076	mg/L			04/12/19 21:45	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			04/12/19 21:45	1
Benzene	0.0010	U	0.0010	0.00043	mg/L			04/12/19 21:45	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			04/12/19 21:45	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			04/12/19 21:45	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			04/12/19 21:45	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			04/12/19 21:45	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			04/12/19 21:45	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			04/12/19 21:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*74 - 132*		*04/12/19 21:45*	*1*
4-Bromofluorobenzene	*97*		*77 - 124*		*04/12/19 21:45*	*1*
Dibromofluoromethane (Surr)	*107*		*72 - 131*		*04/12/19 21:45*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/12/19 21:45*	*1*

Lab Sample ID: LCS 460-602265/3
Matrix: Solid
Analysis Batch: 602265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0210		mg/L		105	74 - 123
1,2-Dichloroethane	0.0200	0.0233		mg/L		117	76 - 121
1,4-Dichlorobenzene	0.0200	0.0214		mg/L		107	80 - 120
2-Butanone (MEK)	0.100	0.0994		mg/L		99	64 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-602265/3
Matrix: Solid
Analysis Batch: 602265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.0200	0.0224		mg/L		112	77 - 121		
Carbon tetrachloride			0.0200	0.0226		mg/L		113	70 - 132		
Chlorobenzene			0.0200	0.0218		mg/L		109	80 - 120		
Chloroform			0.0200	0.0227		mg/L		114	80 - 120		
Tetrachloroethene			0.0200	0.0209		mg/L		104	78 - 122		
Trichloroethene			0.0200	0.0212		mg/L		106	77 - 120		
Vinyl chloride			0.0200	0.0185		mg/L		92	62 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*74 - 132*
4-Bromofluorobenzene	*101*		*77 - 124*
Dibromofluoromethane (Surr)	*104*		*72 - 131*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 460-602265/4
Matrix: Solid
Analysis Batch: 602265

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0200	0.0200		mg/L		100	74 - 123	5	30
1,2-Dichloroethane			0.0200	0.0226		mg/L		113	76 - 121	3	30
1,4-Dichlorobenzene			0.0200	0.0209		mg/L		104	80 - 120	3	30
2-Butanone (MEK)			0.100	0.0996		mg/L		100	64 - 120	0	30
Benzene			0.0200	0.0217		mg/L		109	77 - 121	3	30
Carbon tetrachloride			0.0200	0.0215		mg/L		107	70 - 132	5	30
Chlorobenzene			0.0200	0.0212		mg/L		106	80 - 120	3	30
Chloroform			0.0200	0.0223		mg/L		112	80 - 120	2	30
Tetrachloroethene			0.0200	0.0202		mg/L		101	78 - 122	3	30
Trichloroethene			0.0200	0.0208		mg/L		104	77 - 120	2	30
Vinyl chloride			0.0200	0.0182		mg/L		91	62 - 138	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*74 - 132*
4-Bromofluorobenzene	*102*		*77 - 124*
Dibromofluoromethane (Surr)	*105*		*72 - 131*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LB 460-600397/1-A
Matrix: Solid
Analysis Batch: 600670

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0012	mg/L			04/05/19 17:06	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			04/05/19 17:06	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0076	mg/L			04/05/19 17:06	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			04/05/19 17:06	10
Benzene	0.010	U	0.010	0.0043	mg/L			04/05/19 17:06	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			04/05/19 17:06	10

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 460-600397/1-A
Matrix: Solid
Analysis Batch: 600670

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			04/05/19 17:06	10
Chloroform	0.010	U	0.010	0.0033	mg/L			04/05/19 17:06	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			04/05/19 17:06	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			04/05/19 17:06	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			04/05/19 17:06	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*74 - 132*		*04/05/19 17:06*	*10*
4-Bromofluorobenzene	*97*		*77 - 124*		*04/05/19 17:06*	*10*
Dibromofluoromethane (Surr)	*99*		*72 - 131*		*04/05/19 17:06*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/05/19 17:06*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-601041/1-A
Matrix: Solid
Analysis Batch: 601126

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601041

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.0013	mg/L		04/08/19 09:03	04/08/19 19:14	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		04/08/19 09:03	04/08/19 19:14	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		04/08/19 09:03	04/08/19 19:14	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		04/08/19 09:03	04/08/19 19:14	1
2-Methylphenol	0.010	U	0.010	0.00030	mg/L		04/08/19 09:03	04/08/19 19:14	1
3 & 4 Methylphenol	0.010	U	0.010	0.00020	mg/L		04/08/19 09:03	04/08/19 19:14	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		04/08/19 09:03	04/08/19 19:14	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00080	mg/L		04/08/19 09:03	04/08/19 19:14	1
Hexachloroethane	0.0020	U	0.0020	0.0012	mg/L		04/08/19 09:03	04/08/19 19:14	1
Nitrobenzene	0.0010	U	0.0010	0.00060	mg/L		04/08/19 09:03	04/08/19 19:14	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		04/08/19 09:03	04/08/19 19:14	1
Pyridine	0.010	U	0.010	0.0019	mg/L		04/08/19 09:03	04/08/19 19:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*26 - 139*	*04/08/19 09:03*	*04/08/19 19:14*	*1*
2-Fluorobiphenyl	*81*		*45 - 107*	*04/08/19 09:03*	*04/08/19 19:14*	*1*
2-Fluorophenol (Surr)	*40*		*25 - 58*	*04/08/19 09:03*	*04/08/19 19:14*	*1*
Nitrobenzene-d5 (Surr)	*93*		*51 - 108*	*04/08/19 09:03*	*04/08/19 19:14*	*1*
Phenol-d5 (Surr)	*29*		*14 - 39*	*04/08/19 09:03*	*04/08/19 19:14*	*1*
Terphenyl-d14 (Surr)	*108*		*40 - 148*	*04/08/19 09:03*	*04/08/19 19:14*	*1*

Lab Sample ID: LCS 460-601041/2-A
Matrix: Solid
Analysis Batch: 601126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601041

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0556		mg/L		70	42 - 94
2,4,5-Trichlorophenol	0.0800	0.0712		mg/L		89	59 - 117
2,4,6-Trichlorophenol	0.0800	0.0727		mg/L		91	62 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-601041/2-A
Matrix: Solid
Analysis Batch: 601126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601041

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	0.0800	0.0743		mg/L		93	70 - 123
2-Methylphenol	0.0800	0.0511		mg/L		64	43 - 80
3 & 4 Methylphenol	0.0800	0.0459		mg/L		57	34 - 77
Hexachlorobenzene	0.0800	0.0757		mg/L		95	63 - 125
Hexachlorobutadiene	0.0800	0.0615		mg/L		77	34 - 99
Hexachloroethane	0.0800	0.0551		mg/L		69	39 - 92
Nitrobenzene	0.0800	0.0759		mg/L		95	56 - 106
Pentachlorophenol	0.160	0.142		mg/L		89	54 - 120
Pyridine	0.160	0.0642		mg/L		40	16 - 70

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*107*		*26 - 139*
2-Fluorobiphenyl	*84*		*45 - 107*
2-Fluorophenol (Surr)	*42*		*25 - 58*
Nitrobenzene-d5 (Surr)	*93*		*51 - 108*
Phenol-d5 (Surr)	*31*		*14 - 39*
Terphenyl-d14 (Surr)	*105*		*40 - 148*

Lab Sample ID: LCSD 460-601041/3-A
Matrix: Solid
Analysis Batch: 601126

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 601041

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0560		mg/L		70	42 - 94	1	30
2,4,5-Trichlorophenol	0.0800	0.0710		mg/L		89	59 - 117	0	30
2,4,6-Trichlorophenol	0.0800	0.0721		mg/L		90	62 - 120	1	30
2,4-Dinitrotoluene	0.0800	0.0745		mg/L		93	70 - 123	0	30
2-Methylphenol	0.0800	0.0508		mg/L		63	43 - 80	1	30
3 & 4 Methylphenol	0.0800	0.0465		mg/L		58	34 - 77	1	30
Hexachlorobenzene	0.0800	0.0769		mg/L		96	63 - 125	2	30
Hexachlorobutadiene	0.0800	0.0605		mg/L		76	34 - 99	2	30
Hexachloroethane	0.0800	0.0551		mg/L		69	39 - 92	0	30
Nitrobenzene	0.0800	0.0758		mg/L		95	56 - 106	0	30
Pentachlorophenol	0.160	0.144		mg/L		90	54 - 120	1	30
Pyridine	0.160	0.0641		mg/L		40	16 - 70	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*107*		*26 - 139*
2-Fluorobiphenyl	*83*		*45 - 107*
2-Fluorophenol (Surr)	*41*		*25 - 58*
Nitrobenzene-d5 (Surr)	*91*		*51 - 108*
Phenol-d5 (Surr)	*31*		*14 - 39*
Terphenyl-d14 (Surr)	*105*		*40 - 148*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-600874/1-F
Matrix: Solid
Analysis Batch: 601126

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 601041

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.0013	mg/L		04/08/19 09:03	04/09/19 01:11	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		04/08/19 09:03	04/09/19 01:11	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		04/08/19 09:03	04/09/19 01:11	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		04/08/19 09:03	04/09/19 01:11	1
2-Methylphenol	0.010	U	0.010	0.00030	mg/L		04/08/19 09:03	04/09/19 01:11	1
3 & 4 Methylphenol	0.010	U	0.010	0.00020	mg/L		04/08/19 09:03	04/09/19 01:11	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		04/08/19 09:03	04/09/19 01:11	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00080	mg/L		04/08/19 09:03	04/09/19 01:11	1
Hexachloroethane	0.0020	U	0.0020	0.0012	mg/L		04/08/19 09:03	04/09/19 01:11	1
Nitrobenzene	0.0010	U	0.0010	0.00060	mg/L		04/08/19 09:03	04/09/19 01:11	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		04/08/19 09:03	04/09/19 01:11	1
Pyridine	0.010	U	0.010	0.0019	mg/L		04/08/19 09:03	04/09/19 01:11	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*26 - 139*	*04/08/19 09:03*	*04/09/19 01:11*	*1*
2-Fluorobiphenyl	*70*		*45 - 107*	*04/08/19 09:03*	*04/09/19 01:11*	*1*
2-Fluorophenol (Surr)	*32*		*25 - 58*	*04/08/19 09:03*	*04/09/19 01:11*	*1*
Nitrobenzene-d5 (Surr)	*85*		*51 - 108*	*04/08/19 09:03*	*04/09/19 01:11*	*1*
Phenol-d5 (Surr)	*22*		*14 - 39*	*04/08/19 09:03*	*04/09/19 01:11*	*1*
Terphenyl-d14 (Surr)	*101*		*40 - 148*	*04/08/19 09:03*	*04/09/19 01:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-601028/1-A
Matrix: Solid
Analysis Batch: 601292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601028

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		04/08/19 07:57	04/09/19 09:16	1
cis-Chlordane	0.00050	U	0.00050	0.0000020	mg/L		04/08/19 07:57	04/09/19 09:16	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		04/08/19 07:57	04/09/19 09:16	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		04/08/19 07:57	04/09/19 09:16	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		04/08/19 07:57	04/09/19 09:16	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		04/08/19 07:57	04/09/19 09:16	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		04/08/19 07:57	04/09/19 09:16	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		04/08/19 07:57	04/09/19 09:16	1
trans-Chlordane	0.00050	U	0.00050	0.0000030	mg/L		04/08/19 07:57	04/09/19 09:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*10 - 150*	*04/08/19 07:57*	*04/09/19 09:16*	*1*
DCB Decachlorobiphenyl	*61*		*10 - 150*	*04/08/19 07:57*	*04/09/19 09:16*	*1*
Tetrachloro-m-xylene	*61*		*12 - 136*	*04/08/19 07:57*	*04/09/19 09:16*	*1*
Tetrachloro-m-xylene	*58*		*12 - 136*	*04/08/19 07:57*	*04/09/19 09:16*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-601028/2-A
Matrix: Solid
Analysis Batch: 601292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601028

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
cis-Chlordane			0.000800	0.00102		mg/L		127	59 - 131		
cis-Chlordane			0.000800	0.00107	*	mg/L		133	59 - 131		
Endrin			0.000800	0.00109	*	mg/L		136	60 - 135		
Endrin			0.000800	0.00107		mg/L		134	60 - 135		
gamma-BHC (Lindane)			0.000800	0.000945		mg/L		118	59 - 131		
gamma-BHC (Lindane)			0.000800	0.000955		mg/L		119	59 - 131		
Heptachlor			0.000800	0.000992		mg/L		124	54 - 126		
Heptachlor			0.000800	0.00100		mg/L		126	54 - 126		
Heptachlor epoxide			0.000800	0.00106	*	mg/L		132	60 - 130		
Heptachlor epoxide			0.000800	0.00103		mg/L		129	60 - 130		
Methoxychlor			0.000800	0.00103		mg/L		129	57 - 133		
Methoxychlor			0.000800	0.00104		mg/L		130	57 - 133		
trans-Chlordane			0.000800	0.00105		mg/L		132	60 - 132		
trans-Chlordane			0.000800	0.00105		mg/L		131	60 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*108*		*10 - 150*
DCB Decachlorobiphenyl	*104*		*10 - 150*
Tetrachloro-m-xylene	*96*		*12 - 136*
Tetrachloro-m-xylene	*108*		*12 - 136*

Lab Sample ID: LCSD 460-601028/3-A
Matrix: Solid
Analysis Batch: 601292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 601028

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-Chlordane			0.000800	0.000875		mg/L		109	59 - 131	20	30
cis-Chlordane			0.000800	0.000824		mg/L		103	59 - 131	21	30
Endrin			0.000800	0.000953		mg/L		119	60 - 135	13	30
Endrin			0.000800	0.000829		mg/L		104	60 - 135	26	30
gamma-BHC (Lindane)			0.000800	0.000827		mg/L		103	59 - 131	14	30
gamma-BHC (Lindane)			0.000800	0.000730		mg/L		91	59 - 131	26	30
Heptachlor			0.000800	0.000869		mg/L		109	54 - 126	14	30
Heptachlor			0.000800	0.000775		mg/L		97	54 - 126	25	30
Heptachlor epoxide			0.000800	0.000920		mg/L		115	60 - 130	14	30
Heptachlor epoxide			0.000800	0.000792		mg/L		99	60 - 130	26	30
Methoxychlor			0.000800	0.000912		mg/L		114	57 - 133	13	30
Methoxychlor			0.000800	0.000801		mg/L		100	57 - 133	25	30
trans-Chlordane			0.000800	0.000922		mg/L		115	60 - 132	13	30
trans-Chlordane			0.000800	0.000809		mg/L		101	60 - 132	26	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*10 - 150*
DCB Decachlorobiphenyl	*82*		*10 - 150*
Tetrachloro-m-xylene	*86*		*12 - 136*
Tetrachloro-m-xylene	*86*		*12 - 136*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 460-600874/1-D
Matrix: Solid
Analysis Batch: 601292

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 601028

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.0050	U	0.0050	0.000055	mg/L		04/08/19 07:57	04/09/19 12:01	1
cis-Chlordane	0.00050	U	0.00050	0.0000020	mg/L		04/08/19 07:57	04/09/19 12:01	1
Endrin	0.00050	U	0.00050	0.0000040	mg/L		04/08/19 07:57	04/09/19 12:01	1
gamma-BHC (Lindane)	0.00050	U	0.00050	0.000012	mg/L		04/08/19 07:57	04/09/19 12:01	1
Heptachlor	0.00050	U	0.00050	0.0000030	mg/L		04/08/19 07:57	04/09/19 12:01	1
Heptachlor epoxide	0.00050	U	0.00050	0.0000050	mg/L		04/08/19 07:57	04/09/19 12:01	1
Methoxychlor	0.00050	U	0.00050	0.0000040	mg/L		04/08/19 07:57	04/09/19 12:01	1
Toxaphene	0.0050	U	0.0050	0.00011	mg/L		04/08/19 07:57	04/09/19 12:01	1
trans-Chlordane	0.00050	U	0.00050	0.0000030	mg/L		04/08/19 07:57	04/09/19 12:01	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*10 - 150*	*04/08/19 07:57*	*04/09/19 12:01*	*1*
DCB Decachlorobiphenyl	*75*		*10 - 150*	*04/08/19 07:57*	*04/09/19 12:01*	*1*
Tetrachloro-m-xylene	*88*		*12 - 136*	*04/08/19 07:57*	*04/09/19 12:01*	*1*
Tetrachloro-m-xylene	*97*		*12 - 136*	*04/08/19 07:57*	*04/09/19 12:01*	*1*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-601208/1-A
Matrix: Solid
Analysis Batch: 601286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		04/09/19 01:23	04/09/19 09:24	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		04/09/19 01:23	04/09/19 09:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*131*		*54 - 150*	*04/09/19 01:23*	*04/09/19 09:24*	*1*
2,4-Dichlorophenylacetic acid	*121*		*54 - 150*	*04/09/19 01:23*	*04/09/19 09:24*	*1*

Lab Sample ID: LCS 460-601208/2-A
Matrix: Solid
Analysis Batch: 601286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.267	0.317		mg/L		119	48 - 119
2,4-D	0.267	0.306		mg/L		115	48 - 119
Silvex (2,4,5-TP)	0.0667	0.0875		mg/L		131	76 - 150
Silvex (2,4,5-TP)	0.0667	0.0859		mg/L		129	76 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*137*		*54 - 150*
2,4-Dichlorophenylacetic acid	*138*		*54 - 150*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 460-601208/3-A
Matrix: Solid
Analysis Batch: 601286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 601208

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.267	0.315		mg/L		118	48 - 119	1	30
2,4-D			0.267	0.302		mg/L		113	48 - 119	1	30
Silvex (2,4,5-TP)			0.0667	0.0863		mg/L		129	76 - 150	1	30
Silvex (2,4,5-TP)			0.0667	0.0848		mg/L		127	76 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*134*		*54 - 150*
2,4-Dichlorophenylacetic acid	*129*		*54 - 150*

Lab Sample ID: LB 460-600874/1-H
Matrix: Solid
Analysis Batch: 601286

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 601208

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.083	U	0.083	0.0050	mg/L		04/09/19 01:23	04/09/19 13:06	1
Silvex (2,4,5-TP)	0.083	U	0.083	0.0040	mg/L		04/09/19 01:23	04/09/19 13:06	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*134*		*54 - 150*	*04/09/19 01:23*	*04/09/19 13:06*	*1*
2,4-Dichlorophenylacetic acid	*129*		*54 - 150*	*04/09/19 01:23*	*04/09/19 13:06*	*1*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-600936/1-A
Matrix: Solid
Analysis Batch: 601140

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 600936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0027	mg/L		04/07/19 14:45	04/08/19 14:57	1
Barium	0.20	U	0.20	0.0077	mg/L		04/07/19 14:45	04/08/19 14:57	1
Cadmium	0.0040	U	0.0040	0.00022	mg/L		04/07/19 14:45	04/08/19 14:57	1
Chromium	0.010	U	0.010	0.0013	mg/L		04/07/19 14:45	04/08/19 14:57	1
Lead	0.010	U	0.010	0.0025	mg/L		04/07/19 14:45	04/08/19 14:57	1
Selenium	0.020	U	0.020	0.0066	mg/L		04/07/19 14:45	04/08/19 14:57	1
Silver	0.010	U	0.010	0.0011	mg/L		04/07/19 14:45	04/08/19 14:57	1

Lab Sample ID: LCS 460-600936/2-A
Matrix: Solid
Analysis Batch: 601140

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 600936

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic			5.00	4.85		mg/L		97	80 - 120
Barium			10.0	10.44		mg/L		104	80 - 120
Cadmium			1.00	1.06		mg/L		106	80 - 120
Chromium			5.00	5.20		mg/L		104	80 - 120
Lead			5.00	5.37		mg/L		107	80 - 120
Selenium			1.00	0.992		mg/L		99	80 - 120
Silver			0.500	0.475		mg/L		95	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LB 460-600874/1-C ^5
Matrix: Solid
Analysis Batch: 601140

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 600936

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.013	mg/L		04/07/19 14:45	04/08/19 17:04	5
Barium	1.0	U	1.0	0.038	mg/L		04/07/19 14:45	04/08/19 17:04	5
Cadmium	0.020	U	0.020	0.0011	mg/L		04/07/19 14:45	04/08/19 17:04	5
Chromium	0.050	U	0.050	0.0063	mg/L		04/07/19 14:45	04/08/19 17:04	5
Lead	0.050	U	0.050	0.012	mg/L		04/07/19 14:45	04/08/19 17:04	5
Selenium	0.10	U	0.10	0.033	mg/L		04/07/19 14:45	04/08/19 17:04	5
Silver	0.050	U	0.050	0.0054	mg/L		04/07/19 14:45	04/08/19 17:04	5

Lab Sample ID: 460-178591-A-3-D MS
Matrix: Solid
Analysis Batch: 601140

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 600936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.075	U	5.00	5.27		mg/L		105	75 - 125
Barium	0.26	J	10.0	11.04		mg/L		108	75 - 125
Cadmium	0.0020	J	1.00	1.09		mg/L		109	75 - 125
Chromium	0.050	U	5.00	5.41		mg/L		108	75 - 125
Lead	0.015	J	5.00	5.38		mg/L		107	75 - 125
Selenium	0.10	U	1.00	1.09		mg/L		109	75 - 125
Silver	0.050	U	0.500	0.499		mg/L		100	75 - 125

Lab Sample ID: 460-178591-A-3-C DU
Matrix: Solid
Analysis Batch: 601140

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 600936

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.075	U	0.0156	J	mg/L		NC	20
Barium	0.26	J	0.267	J	mg/L		1	20
Cadmium	0.0020	J	0.00266	J	mg/L		28	20
Chromium	0.050	U	0.050	U	mg/L		NC	20
Lead	0.015	J	0.050	U	mg/L		NC	20
Selenium	0.10	U	0.10	U	mg/L		NC	20
Silver	0.050	U	0.050	U	mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-601382/1-A
Matrix: Solid
Analysis Batch: 601411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601382

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.00012	mg/L		04/09/19 13:54	04/09/19 15:55	1

Lab Sample ID: LCS 460-601382/2-A
Matrix: Solid
Analysis Batch: 601411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601382

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00499		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 460-601952/1-A
Matrix: Solid
Analysis Batch: 601971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601952

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.00012	mg/L		04/11/19 14:30	04/11/19 15:40	1

Lab Sample ID: LCS 460-601952/2-A
Matrix: Solid
Analysis Batch: 601971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601952

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00496		mg/L		99	80 - 120

Lab Sample ID: LB 460-600931/1-G
Matrix: Solid
Analysis Batch: 601411

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 601382

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.00012	mg/L		04/09/19 13:54	04/09/19 16:50	1

Lab Sample ID: 460-178918-E-3-L MS
Matrix: Solid
Analysis Batch: 601971

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 601952

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00020	U	0.00500	0.00502		mg/L		100	75 - 125

Lab Sample ID: 460-178918-E-3-K DU
Matrix: Solid
Analysis Batch: 601971

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 601952

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.00020	U	0.00020	U	mg/L		NC	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-178706-B-4 DU
Matrix: Solid
Analysis Batch: 602055

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-602718/1-A
Matrix: Solid
Analysis Batch: 602752

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 602718

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		04/15/19 10:00	04/15/19 15:00	1

Method: 9014 - Cyanide, Reactive (Continued)

Lab Sample ID: LCS 460-602718/2-A
Matrix: Solid
Analysis Batch: 602752

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 602718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-178988-A-1-X DU
Matrix: Solid
Analysis Batch: 602752

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 602718

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-602717/1-A
Matrix: Solid
Analysis Batch: 602743

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 602717

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		04/15/19 10:00	04/15/19 15:00	1

Lab Sample ID: LCSSRM 460-602717/3-A
Matrix: Solid
Analysis Batch: 602743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 602717

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	45.2	55.66		mg/Kg		123.1	38.9 - 148.7

Lab Sample ID: 460-178988-A-1-U MS
Matrix: Solid
Analysis Batch: 602743

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 602717

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	20.0	U	275	176.7		mg/Kg		64	38 - 149

Lab Sample ID: 460-178988-A-1-V MSD
Matrix: Solid
Analysis Batch: 602743

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 602717

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	275	161.6		mg/Kg		59	38 - 149	9	11

Method: 9045D - pH

Lab Sample ID: MB 460-602045/2
Matrix: Solid
Analysis Batch: 602045

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.0				SU			04/11/19 23:50	1
Corrosivity	6.0				SU			04/11/19 23:50	1

Method: 9045D - pH (Continued)

Lab Sample ID: LCSSRM 460-602045/3
Matrix: Solid
Analysis Batch: 602045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			5.67	5.8		SU		101.6	96.5 - 103.5		
Corrosivity			5.67	5.8		SU		101.6	96.5 - 103.5		

Lab Sample ID: 460-179116-A-1 DU
Matrix: Solid
Analysis Batch: 602045

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	13.0			13.0		SU				0.2	10
Corrosivity	13.0			13.0		SU				0.2	10

GC/MS VOA

Leach Batch: 600397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	1311	
LB 460-600397/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 600670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-600397/1-A	Method Blank	TCLP	Solid	8260C	600397
MB 460-600670/8	Method Blank	Total/NA	Solid	8260C	
LCS 460-600670/4	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-600670/5	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 602265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	8260C	600397
MB 460-602265/8	Method Blank	Total/NA	Solid	8260C	
LCS 460-602265/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-602265/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

GC/MS Semi VOA

Leach Batch: 600874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	1311	
LB 460-600874/1-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 601041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	3510C	600874
LB 460-600874/1-F	Method Blank	TCLP	Solid	3510C	600874
MB 460-601041/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-601041/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-601041/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 601126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	8270D	601041
LB 460-600874/1-F	Method Blank	TCLP	Solid	8270D	601041
MB 460-601041/1-A	Method Blank	Total/NA	Solid	8270D	601041
LCS 460-601041/2-A	Lab Control Sample	Total/NA	Solid	8270D	601041
LCSD 460-601041/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	601041

GC Semi VOA

Leach Batch: 600874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	1311	
LB 460-600874/1-D	Method Blank	TCLP	Solid	1311	
LB 460-600874/1-H	Method Blank	TCLP	Solid	1311	

Prep Batch: 601028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	3510C	600874
LB 460-600874/1-D	Method Blank	TCLP	Solid	3510C	600874

GC Semi VOA (Continued)

Prep Batch: 601028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-601028/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 460-601028/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 460-601028/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 601208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	8151A	600874
LB 460-600874/1-H	Method Blank	TCLP	Solid	8151A	600874
MB 460-601208/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 460-601208/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 460-601208/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 601286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	8151A	601208
LB 460-600874/1-H	Method Blank	TCLP	Solid	8151A	601208
MB 460-601208/1-A	Method Blank	Total/NA	Solid	8151A	601208
LCS 460-601208/2-A	Lab Control Sample	Total/NA	Solid	8151A	601208
LCSD 460-601208/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	601208

Analysis Batch: 601292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	8081B	601028
LB 460-600874/1-D	Method Blank	TCLP	Solid	8081B	601028
MB 460-601028/1-A	Method Blank	Total/NA	Solid	8081B	601028
LCS 460-601028/2-A	Lab Control Sample	Total/NA	Solid	8081B	601028
LCSD 460-601028/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	601028

Metals

Leach Batch: 600874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	1311	
LB 460-600874/1-C ^5	Method Blank	TCLP	Solid	1311	
460-178591-A-3-D MS	Matrix Spike	TCLP	Solid	1311	
460-178591-A-3-C DU	Duplicate	TCLP	Solid	1311	

Leach Batch: 600931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-600931/1-G	Method Blank	TCLP	Solid	1311	
460-178918-E-3-L MS	Matrix Spike	TCLP	Solid	1311	
460-178918-E-3-K DU	Duplicate	TCLP	Solid	1311	

Prep Batch: 600936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	3010A	600874
LB 460-600874/1-C ^5	Method Blank	TCLP	Solid	3010A	600874
MB 460-600936/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-600936/2-A	Lab Control Sample	Total/NA	Solid	3010A	
460-178591-A-3-D MS	Matrix Spike	TCLP	Solid	3010A	600874
460-178591-A-3-C DU	Duplicate	TCLP	Solid	3010A	600874

Metals

Analysis Batch: 601140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	6010D	600936
LB 460-600874/1-C ^5	Method Blank	TCLP	Solid	6010D	600936
MB 460-600936/1-A	Method Blank	Total/NA	Solid	6010D	600936
LCS 460-600936/2-A	Lab Control Sample	Total/NA	Solid	6010D	600936
460-178591-A-3-D MS	Matrix Spike	TCLP	Solid	6010D	600936
460-178591-A-3-C DU	Duplicate	TCLP	Solid	6010D	600936

Prep Batch: 601382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-600931/1-G	Method Blank	TCLP	Solid	7470A	600931
MB 460-601382/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-601382/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 601411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-600931/1-G	Method Blank	TCLP	Solid	7470A	601382
MB 460-601382/1-A	Method Blank	Total/NA	Solid	7470A	601382
LCS 460-601382/2-A	Lab Control Sample	Total/NA	Solid	7470A	601382

Prep Batch: 601952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	7470A	600874
MB 460-601952/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-601952/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-178918-E-3-L MS	Matrix Spike	TCLP	Solid	7470A	600931
460-178918-E-3-K DU	Duplicate	TCLP	Solid	7470A	600931

Analysis Batch: 601971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	TCLP	Solid	7470A	601952
MB 460-601952/1-A	Method Blank	Total/NA	Solid	7470A	601952
LCS 460-601952/2-A	Lab Control Sample	Total/NA	Solid	7470A	601952
460-178918-E-3-L MS	Matrix Spike	TCLP	Solid	7470A	601952
460-178918-E-3-K DU	Duplicate	TCLP	Solid	7470A	601952

General Chemistry

Analysis Batch: 602045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	Total/NA	Solid	9045D	
MB 460-602045/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-602045/3	Lab Control Sample	Total/NA	Solid	9045D	
460-179116-A-1 DU	Duplicate	Total/NA	Solid	9045D	

Analysis Batch: 602055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	Total/NA	Solid	1030	
460-178706-B-4 DU	Duplicate	Total/NA	Solid	1030	

Client: GEI Consultants, Inc.
Job ID: 460-178723-1
Project/Site: Con Edison - Woodworth Ave MGP

General Chemistry

Prep Batch: 602717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	Total/NA	Solid	7.3.4	
MB 460-602717/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-602717/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-178988-A-1-U MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-178988-A-1-V MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 602718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	Total/NA	Solid	7.3.3	
MB 460-602718/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-602718/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-178988-A-1-X DU	Duplicate	Total/NA	Solid	7.3.3	

Analysis Batch: 602743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	Total/NA	Solid	9034	602717
MB 460-602717/1-A	Method Blank	Total/NA	Solid	9034	602717
LCSSRM 460-602717/3-A	Lab Control Sample	Total/NA	Solid	9034	602717
460-178988-A-1-U MS	Matrix Spike	Total/NA	Solid	9034	602717
460-178988-A-1-V MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	602717

Analysis Batch: 602752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-178723-1	WC-1	Total/NA	Solid	9014	602718
MB 460-602718/1-A	Method Blank	Total/NA	Solid	9014	602718
LCS 460-602718/2-A	Lab Control Sample	Total/NA	Solid	9014	602718
460-178988-A-1-X DU	Duplicate	Total/NA	Solid	9014	602718

Lab Chronicle

Client: GEI Consultants, Inc.
Job ID: 460-178723-1
Project/Site: Con Edison - Woodworth Ave MGP

Client Sample ID: WC-1
Lab Sample ID: 460-178723-1
Date Collected: 04/02/19 11:00
Matrix: Solid
Date Received: 04/03/19 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			600397	04/04/19 11:54	BJB	TAL EDI
TCLP	Analysis	8260C		10	602265	04/13/19 03:11	DAS	TAL EDI
TCLP	Leach	1311			600874	04/06/19 14:50	YXG	TAL EDI
TCLP	Prep	3510C			601041	04/08/19 09:03	DXB	TAL EDI
TCLP	Analysis	8270D		1	601126	04/09/19 01:53	FAM	TAL EDI
TCLP	Leach	1311			600874	04/06/19 14:50	YXG	TAL EDI
TCLP	Prep	3510C			601028	04/08/19 08:10	OTS	TAL EDI
TCLP	Analysis	8081B		1	601292	04/09/19 14:50	SAK	TAL EDI
TCLP	Leach	1311			600874	04/06/19 14:50	YXG	TAL EDI
TCLP	Prep	8151A			601208	04/09/19 01:23	AFR	TAL EDI
TCLP	Analysis	8151A		1	601286	04/09/19 11:23	SAK	TAL EDI
TCLP	Leach	1311			600874	04/06/19 14:50	YXG	TAL EDI
TCLP	Prep	3010A			600936	04/07/19 14:45	GAE	TAL EDI
TCLP	Analysis	6010D		5	601140	04/08/19 16:48	YZH	TAL EDI
TCLP	Leach	1311			600874	04/06/19 14:50	YXG	TAL EDI
TCLP	Prep	7470A			601952	04/11/19 14:30	RBS	TAL EDI
TCLP	Analysis	7470A		1	601971	04/11/19 16:18	RBS	TAL EDI
Total/NA	Analysis	1030		1	602055	04/11/19 22:57	PAR	TAL EDI
Total/NA	Prep	7.3.3			602718	04/15/19 10:00	HTV	TAL EDI
Total/NA	Analysis	9014		1	602752	04/15/19 15:00	HTV	TAL EDI
Total/NA	Prep	7.3.4			602717	04/15/19 10:00	HTV	TAL EDI
Total/NA	Analysis	9034		1	602743	04/15/19 15:00	HTV	TAL EDI
Total/NA	Analysis	9045D		1	602045	04/11/19 00:00	PAR	TAL EDI

Laboratory References:
TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: GEI Consultants, Inc.
Job ID: 460-178723-1
Project/Site: Con Edison - Woodworth Ave MGP

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11452	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive

Method Summary

Client: GEI Consultants, Inc.
Job ID: 460-178723-1
Project/Site: Con Edison - Woodworth Ave MGP

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8151A	Herbicides (GC)	SW846	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
8151A	Extraction (Herbicides)	SW846	TAL EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-178723-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-178723-1	WC-1	Solid	04/02/19 11:00	04/03/19 15:00

TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Mathew Sandefur	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-110820-70983.1
Client Contact: Ms. Melissa Felter	Phone: 973-873-7111	E-Mail: melissa.haas@testamericainc.com		Page: Page 1 of 1
Company: GEI Consultants, Inc.				Job #: 178723
Address: 455 Winding Brook Drive, Suite 201	Due Date Requested:			
City: Glastonbury	TAT Requested (days): 10 days			
State, Zip: CT, 06033				
Phone: 860-368-5300	PO #: 1900674			
Email: msandefur@geiconsultants.com	WO #:			
Project Name: Con Edison - Woodworth Ave MGP	Project #: 46028971			
Analysis Grp: Solid - Disposal	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Ignitability 1030, Reactivity 9014_ReactiveCN & 9034_Reactive, pH 9045D	TCLP RCRA Metals 6010D/7470A, TCLP Pests 8081B, TCLP Herbs 8151A, TCLP SVOC 8270D	TCLP VOC 8260C												Total Number of containers	Special Instructions
			Preservation Code:				N	N	N													
WC-1	4/2/19	1100	C	Solid	N		X	X	X													1

460-178723 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify): **Ny Cat A**

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Mathew Sandefur	4/2/19 1700	GEI	Tim YAP	4/3/19 09.12	TA EDISON
2	Tim YAP	4/3/19 1500	Company		4/3/19 1500	TA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

IR # 9 1.9°C 1.2°C 1.3°C NOCS

Ver: 01/16/2019

Page 35 of 37

4/16/2019

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 178723

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.9 °C	1.9 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.2 °C	1.2 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	1.3 °C	1.3 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: TY Date: 4/3/19

Login Sample Receipt Checklist

Client: GEI Consultants, Inc.

Job Number: 460-178723-1

Login Number: 178723
List Number: 1
Creator: Villanueva, Angelica P

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-180548-1
Client Project/Site: Con Edison - Woodworth Ave MGP

For:
GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, Connecticut 06033

Attn: Melissa Felter

Authorized for release by:
4/30/2019 6:52:53 PM

Jannel Franklin, Manager of Project Management Assistants
(732)593-2551
jannel.franklin@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Jannel Franklin
Manager of Project Management Assistants
4/30/2019 6:52:53 PM

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Definitions/Glossary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-180548-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-180548-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: GEI Consultants, Inc.

Project: Con Edison - Woodworth Ave MGP

Report Number: 460-180548-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The sample was received on 4/25/2019 4:55 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

POLYCHLORINATED BIPHENYLS

Sample WC2 (460-180548-1) was analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 04/29/2019 and analyzed on 04/30/2019.

Aroclor 1260 failed the recovery criteria high for the MS/MSD of sample 460-180493-6 in batch 460-606148.

Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Sample WC2 (460-180548-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 04/29/2019.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-180548-1

Client Sample ID: WC2

Lab Sample ID: 460-180548-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1260	0.10		0.086	0.012	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.10		0.086	0.012	mg/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-180548-1

Client Sample ID: WC2

Date Collected: 04/24/19 12:00
Date Received: 04/26/19 16:55

Lab Sample ID: 460-180548-1

Matrix: Solid
Percent Solids: 77.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.086	U	0.086	0.011	mg/Kg	☼	04/29/19 09:31	04/30/19 07:09	1
Aroclor 1221	0.086	U	0.086	0.011	mg/Kg	☼	04/29/19 09:31	04/30/19 07:09	1
Aroclor 1232	0.086	U	0.086	0.011	mg/Kg	☼	04/29/19 09:31	04/30/19 07:09	1
Aroclor 1242	0.086	U	0.086	0.011	mg/Kg	☼	04/29/19 09:31	04/30/19 07:09	1
Aroclor 1248	0.086	U	0.086	0.011	mg/Kg	☼	04/29/19 09:31	04/30/19 07:09	1
Aroclor 1254	0.086	U	0.086	0.012	mg/Kg	☼	04/29/19 09:31	04/30/19 07:09	1
Aroclor 1260	**0.10**		0.086	0.012	mg/Kg	☼	04/29/19 09:31	04/30/19 07:09	1
Aroclor-1262	0.086	U	0.086	0.012	mg/Kg	☼	04/29/19 09:31	04/30/19 07:09	1
Aroclor 1268	0.086	U	0.086	0.012	mg/Kg	☼	04/29/19 09:31	04/30/19 07:09	1
Polychlorinated biphenyls, Total	**0.10**		0.086	0.012	mg/Kg	☼	04/29/19 09:31	04/30/19 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*116*		*53 - 150*	*04/29/19 09:31*	*04/30/19 07:09*	*1*
DCB Decachlorobiphenyl	*101*		*53 - 150*	*04/29/19 09:31*	*04/30/19 07:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22.3**		1.0	1.0	%			04/29/19 13:41	1
Percent Solids	**77.7**		1.0	1.0	%			04/29/19 13:41	1

Surrogate Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-180548-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	**Client Sample ID**	**DCBP1 (53-150)**	**DCBP2 (53-150)**
460-180493-A-6-J MS	Matrix Spike	124	112
460-180493-A-6-K MSD	Matrix Spike Duplicate	127	114
460-180548-1	WC2	116	101
LCS 460-606092/2-A	Lab Control Sample	110	105
LCSD 460-606092/3-A	Lab Control Sample Dup	109	93
MB 460-606092/1-A	Method Blank	112	117

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-606092/1-A
Matrix: Solid
Analysis Batch: 606148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606092

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.0089	mg/Kg		04/29/19 09:31	04/30/19 03:08	1
Aroclor 1221	0.067	U	0.067	0.0089	mg/Kg		04/29/19 09:31	04/30/19 03:08	1
Aroclor 1232	0.067	U	0.067	0.0089	mg/Kg		04/29/19 09:31	04/30/19 03:08	1
Aroclor 1242	0.067	U	0.067	0.0089	mg/Kg		04/29/19 09:31	04/30/19 03:08	1
Aroclor 1248	0.067	U	0.067	0.0089	mg/Kg		04/29/19 09:31	04/30/19 03:08	1
Aroclor 1254	0.067	U	0.067	0.0092	mg/Kg		04/29/19 09:31	04/30/19 03:08	1
Aroclor 1260	0.067	U	0.067	0.0092	mg/Kg		04/29/19 09:31	04/30/19 03:08	1
Aroclor-1262	0.067	U	0.067	0.0092	mg/Kg		04/29/19 09:31	04/30/19 03:08	1
Aroclor 1268	0.067	U	0.067	0.0092	mg/Kg		04/29/19 09:31	04/30/19 03:08	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.0092	mg/Kg		04/29/19 09:31	04/30/19 03:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*53 - 150*	*04/29/19 09:31*	*04/30/19 03:08*	*1*
DCB Decachlorobiphenyl	*117*		*53 - 150*	*04/29/19 09:31*	*04/30/19 03:08*	*1*

Lab Sample ID: LCS 460-606092/2-A
Matrix: Solid
Analysis Batch: 606148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 606092

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.398		mg/Kg		119	76 - 146		
Aroclor 1016			0.333	0.396		mg/Kg		119	76 - 146		
Aroclor 1260			0.333	0.464		mg/Kg		139	74 - 148		
Aroclor 1260			0.333	0.457		mg/Kg		137	74 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*110*		*53 - 150*
DCB Decachlorobiphenyl	*105*		*53 - 150*

Lab Sample ID: LCSD 460-606092/3-A
Matrix: Solid
Analysis Batch: 606148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 606092

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.394		mg/Kg		118	76 - 146	1	30
Aroclor 1016			0.333	0.365		mg/Kg		109	76 - 146	8	30
Aroclor 1260			0.333	0.459		mg/Kg		138	74 - 148	1	30
Aroclor 1260			0.333	0.411		mg/Kg		123	74 - 148	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*109*		*53 - 150*
DCB Decachlorobiphenyl	*93*		*53 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-180493-A-6-J MS
Matrix: Solid
Analysis Batch: 606148

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 606092

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.083	U	0.412	0.541		mg/Kg	☼	131	76 - 146
Aroclor 1016	0.083	U	0.412	0.518		mg/Kg	☼	126	76 - 146
Aroclor 1260	0.083	U	0.412	0.615	*	mg/Kg	☼	149	74 - 148
Aroclor 1260	0.083	U	0.412	0.582		mg/Kg	☼	141	74 - 148

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*124*		*53 - 150*
DCB Decachlorobiphenyl	*112*		*53 - 150*

Lab Sample ID: 460-180493-A-6-K MSD
Matrix: Solid
Analysis Batch: 606148

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 606092

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.083	U	0.412	0.561		mg/Kg	☼	136	76 - 146	4	30
Aroclor 1016	0.083	U	0.412	0.538		mg/Kg	☼	131	76 - 146	4	30
Aroclor 1260	0.083	U	0.412	0.651	*	mg/Kg	☼	158	74 - 148	6	30
Aroclor 1260	0.083	U	0.412	0.608		mg/Kg	☼	148	74 - 148	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*127*		*53 - 150*
DCB Decachlorobiphenyl	*114*		*53 - 150*

Method: Moisture - Percent Moisture

Lab Sample ID: 460-180532-A-9 DU
Matrix: Solid
Analysis Batch: 606130

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	21.1		21.2		%		0.8	20
Percent Solids	78.9		78.8		%		0.2	20

QC Association Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-180548-1

GC Semi VOA

Prep Batch: 606092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-180548-1	WC2	Total/NA	Solid	3546	
MB 460-606092/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-606092/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-606092/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-180493-A-6-J MS	Matrix Spike	Total/NA	Solid	3546	
460-180493-A-6-K MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 606148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-180548-1	WC2	Total/NA	Solid	8082A	606092
MB 460-606092/1-A	Method Blank	Total/NA	Solid	8082A	606092
LCS 460-606092/2-A	Lab Control Sample	Total/NA	Solid	8082A	606092
LCSD 460-606092/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	606092
460-180493-A-6-J MS	Matrix Spike	Total/NA	Solid	8082A	606092
460-180493-A-6-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	606092

General Chemistry

Analysis Batch: 606130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-180548-1	WC2	Total/NA	Solid	Moisture	
460-180532-A-9 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: GEI Consultants, Inc.
Job ID: 460-180548-1
Project/Site: Con Edison - Woodworth Ave MGP

Client Sample ID: WC2
Lab Sample ID: 460-180548-1
Date Collected: 04/24/19 12:00
Matrix: Solid
Date Received: 04/26/19 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	606130	04/29/19 13:41	MMC	TAL EDI

Client Sample ID: WC2
Lab Sample ID: 460-180548-1
Date Collected: 04/24/19 12:00
Matrix: Solid
Date Received: 04/26/19 16:55
Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			606092	04/29/19 09:31	IUD	TAL EDI
Total/NA	Analysis	8082A		1	606148	04/30/19 07:09	JHP	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: GEI Consultants, Inc.
Job ID: 460-180548-1
Project/Site: Con Edison - Woodworth Ave MGP

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11452	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8082A	3546	Solid	Polychlorinated biphenyls, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: GEI Consultants, Inc.
Job ID: 460-180548-1
Project/Site: Con Edison - Woodworth Ave MGP

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-180548-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-180548-1	WC2	Solid	04/24/19 12:00	04/26/19 16:55

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

4/30/2019

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page ____ of ____

Name (for report and invoice) Melissa Felter	Samplers Name (Printed) Mathew Sandefur	Site/Project Identification Con Edison – Woodworth Ave MGP
Company GEI Consultants	P. O. # 1900674	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program: DKQP: ☐
Address 455 Winding Brook Drive	Analysis Turnaround Time: Standard ☐	
City Glastonbury State CT	Rush Charges Authorized For: 2 Week ☐ 1 Week ☒ Other ☐	
Phone 973-873-7111 Fax		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: 180548

Sample Identification	Date	Time	Matrix	No. of Cont.	PCB	Sample Numbers
WC2	4/24/19	1200	S	1	X	1

5-Day RUSH

460-180548 Chain of Custody

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:
6 = Other _____, 7 = Other _____ Water:

Special Instructions Lab PM: Melissa Haas

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	GEI	4/24/19 1700	1)	TAEDI 1205
2)	TAEDI	4/25 1655	2)	TA EDI
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0715)

Massachusetts (M-NJ312), North Carolina (No. 578) 3.8c IR#9

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 180548

Number of Coolers: 1 IR Gun #: 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.8 °C	5.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: KC **Date:** 4/25/19

Login Sample Receipt Checklist

Client: GEI Consultants, Inc.

Job Number: 460-180548-1

Login Number: 180548
List Number: 1
Creator: Jara, Kelly D

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-182371-1
Client Project/Site: Con Edison - Woodworth Ave MGP

For:
GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, Connecticut 06033

Attn: Melissa Felter

Authorized for release by:
5/30/2019 3:01:55 PM
Karima Hamzi, Project Management Assistant I
karima.hamzi@testamericainc.com

Designee for

Omayra Penas, Senior Project Manager
(732)593-2538
omayra.penas@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Karima Hamzi
Project Management Assistant I
5/30/2019 3:01:55 PM

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Definitions/Glossary

Client: GEI Consultants, Inc.
Job ID: 460-182371-1
Project/Site: Con Edison - Woodworth Ave MGP

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-182371-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: GEI Consultants, Inc.

Project: Con Edison - Woodworth Ave MGP

Report Number: 460-182371-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 5/17/2019 5:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.2º C and 2.3º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample WC2 (460-182371-1) was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C (1311). The samples were leached on 05/19/2019 and analyzed on 05/29/2019.

The laboratory control sample duplicate (LCSD) for analytical batch 460-613314 recovered outside the lower control limit for 1,1-Dichloroethene.

Refer to the QC report for details.

No other difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Sample WC2 (460-182371-1) was analyzed for TCLP Semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 1311/8270D. The samples were leached on 05/19/2019, prepared on 05/23/2019 and analyzed on 05/24/2019.

The continuing calibration verification (CCV) associated with batch 460-612370 recovered above the upper control limit for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The surrogate (2-Fluorobiphenyl) recovery for the blank associated with preparation batch 460-612233 and analytical batch 460-612370

Job ID: 460-182371-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

was outside the upper control limits (biased high).

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (460-182455-I-4-A MSD). These results have been reported and qualified.

Refer to the QC report for details.

No other difficulties were encountered during the TCLP semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample WC2 (460-182371-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 05/19/2019 and analyzed on 05/21/2019.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

TCLP METALS

Sample WC2 (460-182371-1) was analyzed for TCLP metals in accordance with 6010D. The samples were leached on 05/19/2019, and prepared and analyzed on 05/22/2019.

No difficulties were encountered during the TCLP metals analysis.

All quality control parameters were within the acceptance limits.

TCLP MERCURY

Sample WC2 (460-182371-1) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 05/19/2019, and prepared and analyzed on 05/29/2019.

No difficulties were encountered during the TCLP Hg analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-182371-1

Client Sample ID: WC2

Lab Sample ID: 460-182371-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.017		0.010	0.0043	mg/L	10		8260C	TCLP
3 & 4 Methylphenol	0.0018	J	0.010	0.00020	mg/L	1		8270D	TCLP
Barium	0.22	J	1.0	0.038	mg/L	5		6010D	TCLP

This Detection Summary does not include radiochemical test results.

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-182371-1

Client Sample ID: WC2

Date Collected: 05/16/19 17:40
Date Received: 05/17/19 17:15

Lab Sample ID: 460-182371-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U *	0.010	0.0012	mg/L			05/29/19 03:59	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			05/29/19 03:59	10
1,4-Dichlorobenzene	0.010	U	0.010	0.0076	mg/L			05/29/19 03:59	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			05/29/19 03:59	10
Benzene	**0.017**		0.010	0.0043	mg/L			05/29/19 03:59	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			05/29/19 03:59	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			05/29/19 03:59	10
Chloroform	0.010	U	0.010	0.0033	mg/L			05/29/19 03:59	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			05/29/19 03:59	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			05/29/19 03:59	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			05/29/19 03:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*74 - 132*		*05/29/19 03:59*	*10*
4-Bromofluorobenzene	*106*		*77 - 124*		*05/29/19 03:59*	*10*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*05/29/19 03:59*	*10*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/29/19 03:59*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.0013	mg/L		05/23/19 09:25	05/24/19 05:33	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		05/23/19 09:25	05/24/19 05:33	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		05/23/19 09:25	05/24/19 05:33	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/23/19 09:25	05/24/19 05:33	1
2-Methylphenol	0.010	U	0.010	0.00030	mg/L		05/23/19 09:25	05/24/19 05:33	1
3 & 4 Methylphenol	**0.0018**	**J**	0.010	0.00020	mg/L		05/23/19 09:25	05/24/19 05:33	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/23/19 09:25	05/24/19 05:33	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00080	mg/L		05/23/19 09:25	05/24/19 05:33	1
Hexachloroethane	0.0020	U	0.0020	0.0012	mg/L		05/23/19 09:25	05/24/19 05:33	1
Nitrobenzene	0.0010	U	0.0010	0.00060	mg/L		05/23/19 09:25	05/24/19 05:33	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/23/19 09:25	05/24/19 05:33	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/23/19 09:25	05/24/19 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*26 - 139*	*05/23/19 09:25*	*05/24/19 05:33*	*1*
2-Fluorobiphenyl	*89*		*45 - 107*	*05/23/19 09:25*	*05/24/19 05:33*	*1*
2-Fluorophenol (Surr)	*48*		*25 - 58*	*05/23/19 09:25*	*05/24/19 05:33*	*1*
Nitrobenzene-d5 (Surr)	*89*		*51 - 108*	*05/23/19 09:25*	*05/24/19 05:33*	*1*
Phenol-d5 (Surr)	*35*		*14 - 39*	*05/23/19 09:25*	*05/24/19 05:33*	*1*
Terphenyl-d14 (Surr)	*80*		*40 - 148*	*05/23/19 09:25*	*05/24/19 05:33*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 11:32	1
Aroclor 1221	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 11:32	1
Aroclor 1232	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 11:32	1
Aroclor 1242	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 11:32	1
Aroclor 1248	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 11:32	1
Aroclor 1254	0.00040	U	0.00040	0.00011	mg/L		05/19/19 11:13	05/21/19 11:32	1
Aroclor 1260	0.00040	U	0.00040	0.00011	mg/L		05/19/19 11:13	05/21/19 11:32	1

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-182371-1

Client Sample ID: WC2
Date Collected: 05/16/19 17:40
Date Received: 05/17/19 17:15

Lab Sample ID: 460-182371-1
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1262	0.00040	U	0.00040	0.00011	mg/L		05/19/19 11:13	05/21/19 11:32	1
Aroclor 1268	0.00040	U	0.00040	0.00011	mg/L		05/19/19 11:13	05/21/19 11:32	1
Polychlorinated biphenyls, Total	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*05/19/19 11:13*	*05/21/19 11:32*	*1*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*05/19/19 11:13*	*05/21/19 11:32*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.013	mg/L		05/22/19 08:59	05/22/19 21:24	5
Barium	**0.22**	**J**	1.0	0.038	mg/L		05/22/19 08:59	05/22/19 21:24	5
Cadmium	0.020	U	0.020	0.0011	mg/L		05/22/19 08:59	05/22/19 21:24	5
Chromium	0.050	U	0.050	0.0063	mg/L		05/22/19 08:59	05/22/19 21:24	5
Lead	0.050	U	0.050	0.012	mg/L		05/22/19 08:59	05/22/19 21:24	5
Selenium	0.10	U	0.10	0.033	mg/L		05/22/19 08:59	05/22/19 21:24	5
Silver	0.050	U	0.050	0.0054	mg/L		05/22/19 08:59	05/22/19 21:24	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.00012	mg/L		05/29/19 14:02	05/29/19 15:33	1

Surrogate Summary

Client: GEI Consultants, Inc.
Job ID: 460-182371-1
Project/Site: Con Edison - Woodworth Ave MGP

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
LCS 460-613314/4	Lab Control Sample	86	108	96	92
LCSD 460-613314/5	Lab Control Sample Dup	86	107	98	92
MB 460-613314/9	Method Blank	87	106	98	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
460-182371-1	WC2	88	106	98	90

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(26-139)	(45-107)	(25-58)	(51-108)	(14-39)	(40-148)
LCS 460-612233/2-A	Lab Control Sample	76	79	30	74	21	90
LCSD 460-612233/3-A	Lab Control Sample Dup	75	78	31	79	21	88
MB 460-612233/1-A	Method Blank	133	108 *	55	107	28	135

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(26-139)	(45-107)	(25-58)	(51-108)	(14-39)	(40-148)
460-182371-1	WC2	104	89	48	89	35	80
LB 460-611158/1-C	Method Blank	105	95	52	94	39	101

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: GEI Consultants, Inc. Job ID: 460-182371-1
Project/Site: Con Edison - Woodworth Ave MGP

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)								
460-182371-1	WC2	87	88								
LCS 460-611147/2-A	Lab Control Sample	84	85								
LCSD 460-611147/3-A	Lab Control Sample Dup	83	84								
MB 460-611147/1-A	Method Blank	70	70								

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-613314/9
Matrix: Water
Analysis Batch: 613314

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00012	mg/L			05/28/19 23:22	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			05/28/19 23:22	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00076	mg/L			05/28/19 23:22	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			05/28/19 23:22	1
Benzene	0.0010	U	0.0010	0.00043	mg/L			05/28/19 23:22	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			05/28/19 23:22	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			05/28/19 23:22	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			05/28/19 23:22	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			05/28/19 23:22	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			05/28/19 23:22	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			05/28/19 23:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*74 - 132*		*05/28/19 23:22*	*1*
4-Bromofluorobenzene	*106*		*77 - 124*		*05/28/19 23:22*	*1*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*05/28/19 23:22*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/28/19 23:22*	*1*

Lab Sample ID: LCS 460-613314/4
Matrix: Water
Analysis Batch: 613314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0186		mg/L		93	74 - 123
1,2-Dichloroethane	0.0200	0.0188		mg/L		94	76 - 121
1,4-Dichlorobenzene	0.0200	0.0211		mg/L		106	80 - 120
2-Butanone (MEK)	0.100	0.109		mg/L		109	64 - 120
Benzene	0.0200	0.0198		mg/L		99	77 - 121
Carbon tetrachloride	0.0200	0.0201		mg/L		100	70 - 132
Chlorobenzene	0.0200	0.0215		mg/L		107	80 - 120
Chloroform	0.0200	0.0205		mg/L		103	80 - 120
Tetrachloroethene	0.0200	0.0225		mg/L		112	78 - 122
Trichloroethene	0.0200	0.0196		mg/L		98	77 - 120
Vinyl chloride	0.0200	0.0203		mg/L		102	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*74 - 132*
4-Bromofluorobenzene	*108*		*77 - 124*
Dibromofluoromethane (Surr)	*96*		*72 - 131*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: LCSD 460-613314/5
Matrix: Water
Analysis Batch: 613314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0145	*	mg/L		73	74 - 123	25	30
1,2-Dichloroethane	0.0200	0.0169		mg/L		84	76 - 121	11	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-613314/5
Matrix: Water
Analysis Batch: 613314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0200	0.0190		mg/L		95	80 - 120	11	30
2-Butanone (MEK)			0.100	0.105		mg/L		105	64 - 120	4	30
Benzene			0.0200	0.0169		mg/L		84	77 - 121	16	30
Carbon tetrachloride			0.0200	0.0161		mg/L		80	70 - 132	22	30
Chlorobenzene			0.0200	0.0187		mg/L		93	80 - 120	14	30
Chloroform			0.0200	0.0179		mg/L		90	80 - 120	14	30
Tetrachloroethene			0.0200	0.0185		mg/L		92	78 - 122	20	30
Trichloroethene			0.0200	0.0166		mg/L		83	77 - 120	17	30
Vinyl chloride			0.0200	0.0156		mg/L		78	62 - 138	26	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*74 - 132*
4-Bromofluorobenzene	*107*		*77 - 124*
Dibromofluoromethane (Surr)	*98*		*72 - 131*
Toluene-d8 (Surr)	*92*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-612233/1-A
Matrix: Water
Analysis Batch: 612370

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.0013	mg/L		05/23/19 09:25	05/23/19 22:25	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		05/23/19 09:25	05/23/19 22:25	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		05/23/19 09:25	05/23/19 22:25	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/23/19 09:25	05/23/19 22:25	1
2-Methylphenol	0.010	U	0.010	0.00030	mg/L		05/23/19 09:25	05/23/19 22:25	1
3 & 4 Methylphenol	0.010	U	0.010	0.00020	mg/L		05/23/19 09:25	05/23/19 22:25	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/23/19 09:25	05/23/19 22:25	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00080	mg/L		05/23/19 09:25	05/23/19 22:25	1
Hexachloroethane	0.0020	U	0.0020	0.0012	mg/L		05/23/19 09:25	05/23/19 22:25	1
Nitrobenzene	0.0010	U	0.0010	0.00060	mg/L		05/23/19 09:25	05/23/19 22:25	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/23/19 09:25	05/23/19 22:25	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/23/19 09:25	05/23/19 22:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*133*		*26 - 139*	*05/23/19 09:25*	*05/23/19 22:25*	*1*
2-Fluorobiphenyl	*108*	*	*45 - 107*	*05/23/19 09:25*	*05/23/19 22:25*	*1*
2-Fluorophenol (Surr)	*55*		*25 - 58*	*05/23/19 09:25*	*05/23/19 22:25*	*1*
Nitrobenzene-d5 (Surr)	*107*		*51 - 108*	*05/23/19 09:25*	*05/23/19 22:25*	*1*
Phenol-d5 (Surr)	*28*		*14 - 39*	*05/23/19 09:25*	*05/23/19 22:25*	*1*
Terphenyl-d14 (Surr)	*135*		*40 - 148*	*05/23/19 09:25*	*05/23/19 22:25*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-612233/2-A
Matrix: Water
Analysis Batch: 612370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0800	0.0526		mg/L		66	42 - 94
2,4,5-Trichlorophenol	0.0800	0.0722		mg/L		90	59 - 117
2,4,6-Trichlorophenol	0.0800	0.0661		mg/L		83	62 - 120
2,4-Dinitrotoluene	0.0800	0.0824		mg/L		103	70 - 123
2-Methylphenol	0.0800	0.0547		mg/L		68	43 - 80
3 & 4 Methylphenol	0.0800	0.0488		mg/L		61	34 - 77
Hexachlorobenzene	0.0800	0.0898		mg/L		112	63 - 125
Hexachlorobutadiene	0.0800	0.0730		mg/L		91	34 - 99
Hexachloroethane	0.0800	0.0535		mg/L		67	39 - 92
Nitrobenzene	0.0800	0.0732		mg/L		91	56 - 106
Pentachlorophenol	0.160	0.162		mg/L		101	54 - 120
Pyridine	0.160	0.0682		mg/L		43	16 - 70

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*26 - 139*
2-Fluorobiphenyl	*79*		*45 - 107*
2-Fluorophenol (Surr)	*30*		*25 - 58*
Nitrobenzene-d5 (Surr)	*74*		*51 - 108*
Phenol-d5 (Surr)	*21*		*14 - 39*
Terphenyl-d14 (Surr)	*90*		*40 - 148*

Lab Sample ID: LCSD 460-612233/3-A
Matrix: Water
Analysis Batch: 612370

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 612233

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0800	0.0540		mg/L		67	42 - 94	3	30
2,4,5-Trichlorophenol	0.0800	0.0738		mg/L		92	59 - 117	2	30
2,4,6-Trichlorophenol	0.0800	0.0657		mg/L		82	62 - 120	1	30
2,4-Dinitrotoluene	0.0800	0.0801		mg/L		100	70 - 123	3	30
2-Methylphenol	0.0800	0.0552		mg/L		69	43 - 80	1	30
3 & 4 Methylphenol	0.0800	0.0497		mg/L		62	34 - 77	2	30
Hexachlorobenzene	0.0800	0.0887		mg/L		111	63 - 125	1	30
Hexachlorobutadiene	0.0800	0.0716		mg/L		89	34 - 99	2	30
Hexachloroethane	0.0800	0.0515		mg/L		64	39 - 92	4	30
Nitrobenzene	0.0800	0.0730		mg/L		91	56 - 106	0	30
Pentachlorophenol	0.160	0.162		mg/L		101	54 - 120	0	30
Pyridine	0.160	0.0692		mg/L		43	16 - 70	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*26 - 139*
2-Fluorobiphenyl	*78*		*45 - 107*
2-Fluorophenol (Surr)	*31*		*25 - 58*
Nitrobenzene-d5 (Surr)	*79*		*51 - 108*
Phenol-d5 (Surr)	*21*		*14 - 39*
Terphenyl-d14 (Surr)	*88*		*40 - 148*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 460-611158/1-C
Matrix: Water
Analysis Batch: 612360

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 612233

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.010	0.0013	mg/L		05/23/19 09:25	05/24/19 05:12	1
2,4,5-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		05/23/19 09:25	05/24/19 05:12	1
2,4,6-Trichlorophenol	0.010	U	0.010	0.00030	mg/L		05/23/19 09:25	05/24/19 05:12	1
2,4-Dinitrotoluene	0.0020	U	0.0020	0.0010	mg/L		05/23/19 09:25	05/24/19 05:12	1
2-Methylphenol	0.010	U	0.010	0.00030	mg/L		05/23/19 09:25	05/24/19 05:12	1
3 & 4 Methylphenol	0.010	U	0.010	0.00020	mg/L		05/23/19 09:25	05/24/19 05:12	1
Hexachlorobenzene	0.0010	U	0.0010	0.00040	mg/L		05/23/19 09:25	05/24/19 05:12	1
Hexachlorobutadiene	0.0020	U	0.0020	0.00080	mg/L		05/23/19 09:25	05/24/19 05:12	1
Hexachloroethane	0.0020	U	0.0020	0.0012	mg/L		05/23/19 09:25	05/24/19 05:12	1
Nitrobenzene	0.0010	U	0.0010	0.00060	mg/L		05/23/19 09:25	05/24/19 05:12	1
Pentachlorophenol	0.030	U	0.030	0.0014	mg/L		05/23/19 09:25	05/24/19 05:12	1
Pyridine	0.010	U	0.010	0.0019	mg/L		05/23/19 09:25	05/24/19 05:12	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*26 - 139*	*05/23/19 09:25*	*05/24/19 05:12*	*1*
2-Fluorobiphenyl	*95*		*45 - 107*	*05/23/19 09:25*	*05/24/19 05:12*	*1*
2-Fluorophenol (Surr)	*52*		*25 - 58*	*05/23/19 09:25*	*05/24/19 05:12*	*1*
Nitrobenzene-d5 (Surr)	*94*		*51 - 108*	*05/23/19 09:25*	*05/24/19 05:12*	*1*
Phenol-d5 (Surr)	*39*		*14 - 39*	*05/23/19 09:25*	*05/24/19 05:12*	*1*
Terphenyl-d14 (Surr)	*101*		*40 - 148*	*05/23/19 09:25*	*05/24/19 05:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-611147/1-A
Matrix: Water
Analysis Batch: 611574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 08:23	1
Aroclor 1221	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 08:23	1
Aroclor 1232	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 08:23	1
Aroclor 1242	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 08:23	1
Aroclor 1248	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 08:23	1
Aroclor 1254	0.00040	U	0.00040	0.00011	mg/L		05/19/19 11:13	05/21/19 08:23	1
Aroclor 1260	0.00040	U	0.00040	0.00011	mg/L		05/19/19 11:13	05/21/19 08:23	1
Aroclor-1262	0.00040	U	0.00040	0.00011	mg/L		05/19/19 11:13	05/21/19 08:23	1
Aroclor 1268	0.00040	U	0.00040	0.00011	mg/L		05/19/19 11:13	05/21/19 08:23	1
Polychlorinated biphenyls, Total	0.00040	U	0.00040	0.00012	mg/L		05/19/19 11:13	05/21/19 08:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*10 - 150*	*05/19/19 11:13*	*05/21/19 08:23*	*1*
DCB Decachlorobiphenyl	*70*		*10 - 150*	*05/19/19 11:13*	*05/21/19 08:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-611147/2-A
Matrix: Water
Analysis Batch: 611574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611147

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.00400	0.00315		mg/L		79	78 - 150		
Aroclor 1016			0.00400	0.00360		mg/L		90	78 - 150		
Aroclor 1260			0.00400	0.00408		mg/L		102	80 - 150		
Aroclor 1260			0.00400	0.00397		mg/L		99	80 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*10 - 150*
DCB Decachlorobiphenyl	*85*		*10 - 150*

Lab Sample ID: LCSD 460-611147/3-A
Matrix: Water
Analysis Batch: 611574

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611147

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.00400	0.00323		mg/L		81	78 - 150	3	30
Aroclor 1016			0.00400	0.00354		mg/L		88	78 - 150	2	30
Aroclor 1260			0.00400	0.00392		mg/L		98	80 - 150	4	30
Aroclor 1260			0.00400	0.00386		mg/L		97	80 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*10 - 150*
DCB Decachlorobiphenyl	*84*		*10 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-611918/1-A
Matrix: Water
Analysis Batch: 611973

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611918

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0027	mg/L		05/22/19 08:48	05/22/19 12:49	1
Barium	0.20	U	0.20	0.0077	mg/L		05/22/19 08:48	05/22/19 12:49	1
Cadmium	0.0040	U	0.0040	0.00022	mg/L		05/22/19 08:48	05/22/19 12:49	1
Chromium	0.010	U	0.010	0.0013	mg/L		05/22/19 08:48	05/22/19 12:49	1
Lead	0.010	U	0.010	0.0025	mg/L		05/22/19 08:48	05/22/19 12:49	1
Selenium	0.020	U	0.020	0.0066	mg/L		05/22/19 08:48	05/22/19 12:49	1
Silver	0.010	U	0.010	0.0011	mg/L		05/22/19 08:48	05/22/19 12:49	1

Lab Sample ID: LCS 460-611918/2-A
Matrix: Water
Analysis Batch: 611973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611918

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			5.00	4.79		mg/L		96	80 - 120		
Barium			10.0	10.14		mg/L		101	80 - 120		
Cadmium			1.00	1.02		mg/L		102	80 - 120		
Chromium			5.00	5.17		mg/L		103	80 - 120		
Lead			5.00	5.00		mg/L		100	80 - 120		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 460-611918/2-A
Matrix: Water
Analysis Batch: 611973

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611918

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	1.00	0.970		mg/L		97	80 - 120
Silver	0.500	0.472		mg/L		94	80 - 120

Lab Sample ID: LB 460-611158/1-B ^5
Matrix: Water
Analysis Batch: 611973

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 611918

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.013	mg/L		05/22/19 08:59	05/22/19 21:36	5
Barium	1.0	U	1.0	0.038	mg/L		05/22/19 08:59	05/22/19 21:36	5
Cadmium	0.020	U	0.020	0.0011	mg/L		05/22/19 08:59	05/22/19 21:36	5
Chromium	0.050	U	0.050	0.0063	mg/L		05/22/19 08:59	05/22/19 21:36	5
Lead	0.050	U	0.050	0.012	mg/L		05/22/19 08:59	05/22/19 21:36	5
Selenium	0.10	U	0.10	0.033	mg/L		05/22/19 08:59	05/22/19 21:36	5
Silver	0.050	U	0.050	0.0054	mg/L		05/22/19 08:59	05/22/19 21:36	5

Lab Sample ID: LB 460-611457/1-E ^5
Matrix: Water
Analysis Batch: 611973

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 611918

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075	U	0.075	0.013	mg/L		05/22/19 08:48	05/22/19 13:21	5
Barium	1.0	U	1.0	0.038	mg/L		05/22/19 08:48	05/22/19 13:21	5
Cadmium	0.020	U	0.020	0.0011	mg/L		05/22/19 08:48	05/22/19 13:21	5
Chromium	0.050	U	0.050	0.0063	mg/L		05/22/19 08:48	05/22/19 13:21	5
Lead	0.050	U	0.050	0.012	mg/L		05/22/19 08:48	05/22/19 13:21	5
Selenium	0.10	U	0.10	0.033	mg/L		05/22/19 08:48	05/22/19 13:21	5
Silver	0.050	U	0.050	0.0054	mg/L		05/22/19 08:48	05/22/19 13:21	5

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-613537/1-A
Matrix: Water
Analysis Batch: 613567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613537

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.00012	mg/L		05/29/19 14:02	05/29/19 15:19	1

Lab Sample ID: LCS 460-613537/2-A
Matrix: Water
Analysis Batch: 613567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00486		mg/L		97	80 - 120

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-182371-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 460-611158/1-D
Matrix: Water
Analysis Batch: 613567

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 613537

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.00012	mg/L		05/29/19 14:10	05/29/19 16:10	1

QC Association Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-182371-1

GC/MS VOA

Leach Batch: 611202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	TCLP	Water	1311	

Analysis Batch: 613314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	TCLP	Water	8260C	611202
MB 460-613314/9	Method Blank	Total/NA	Water	8260C	
LCS 460-613314/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-613314/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC/MS Semi VOA

Leach Batch: 611158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	TCLP	Water	1311	
LB 460-611158/1-C	Method Blank	TCLP	Water	1311	

Prep Batch: 612233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	TCLP	Water	3510C	611158
LB 460-611158/1-C	Method Blank	TCLP	Water	3510C	611158
MB 460-612233/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-612233/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-612233/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 612360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	TCLP	Water	8270D	612233
LB 460-611158/1-C	Method Blank	TCLP	Water	8270D	612233

Analysis Batch: 612370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-612233/1-A	Method Blank	Total/NA	Water	8270D	612233
LCS 460-612233/2-A	Lab Control Sample	Total/NA	Water	8270D	612233
LCSD 460-612233/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	612233

GC Semi VOA

Prep Batch: 611147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	Total/NA	Water	3510C	
MB 460-611147/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-611147/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-611147/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 611574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	Total/NA	Water	8082A	611147
MB 460-611147/1-A	Method Blank	Total/NA	Water	8082A	611147
LCS 460-611147/2-A	Lab Control Sample	Total/NA	Water	8082A	611147
LCSD 460-611147/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	611147

Metals

Leach Batch: 611158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	TCLP	Water	1311	
LB 460-611158/1-B ^5	Method Blank	TCLP	Water	1311	
LB 460-611158/1-D	Method Blank	TCLP	Water	1311	

Leach Batch: 611457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-611457/1-E ^5	Method Blank	TCLP	Water	1311	

Prep Batch: 611918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	TCLP	Water	3010A	611158
LB 460-611158/1-B ^5	Method Blank	TCLP	Water	3010A	611158
LB 460-611457/1-E ^5	Method Blank	TCLP	Water	3010A	611457
MB 460-611918/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-611918/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 611973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	TCLP	Water	6010D	611918
LB 460-611158/1-B ^5	Method Blank	TCLP	Water	6010D	611918
LB 460-611457/1-E ^5	Method Blank	TCLP	Water	6010D	611918
MB 460-611918/1-A	Method Blank	Total/NA	Water	6010D	611918
LCS 460-611918/2-A	Lab Control Sample	Total/NA	Water	6010D	611918

Prep Batch: 613537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	TCLP	Water	7470A	611158
LB 460-611158/1-D	Method Blank	TCLP	Water	7470A	611158
MB 460-613537/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-613537/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 613567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-182371-1	WC2	TCLP	Water	7470A	613537
LB 460-611158/1-D	Method Blank	TCLP	Water	7470A	613537
MB 460-613537/1-A	Method Blank	Total/NA	Water	7470A	613537
LCS 460-613537/2-A	Lab Control Sample	Total/NA	Water	7470A	613537

Lab Chronicle

Client: GEI Consultants, Inc.
Job ID: 460-182371-1
Project/Site: Con Edison - Woodworth Ave MGP

Client Sample ID: WC2
Lab Sample ID: 460-182371-1
Date Collected: 05/16/19 17:40
Matrix: Water
Date Received: 05/17/19 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			611202	05/19/19 19:15	BJB	TAL EDI
TCLP	Analysis	8260C		10	613314	05/29/19 03:59	GXY	TAL EDI
TCLP	Leach	1311			611158	05/19/19 10:00	YXG	TAL EDI
TCLP	Prep	3510C			612233	05/23/19 09:25	DXD	TAL EDI
TCLP	Analysis	8270D		1	612360	05/24/19 05:33	SK	TAL EDI
Total/NA	Prep	3510C			611147	05/19/19 11:13	JNP	TAL EDI
Total/NA	Analysis	8082A		1	611574	05/21/19 11:32	CDC	TAL EDI
TCLP	Leach	1311			611158	05/19/19 10:00	YXG	TAL EDI
TCLP	Prep	3010A			611918	05/22/19 08:59	QZY	TAL EDI
TCLP	Analysis	6010D		5	611973	05/22/19 21:24	CDC	TAL EDI
TCLP	Leach	1311			611158	05/19/19 10:00	YXG	TAL EDI
TCLP	Prep	7470A			613537	05/29/19 14:02	RBS	TAL EDI
TCLP	Analysis	7470A		1	613567	05/29/19 15:33	RBS	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: GEI Consultants, Inc.
Job ID: 460-182371-1
Project/Site: Con Edison - Woodworth Ave MGP

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11452	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8082A	3510C	Water	Polychlorinated biphenyls, Total

Method Summary

Client: GEI Consultants, Inc.
Job ID: 460-182371-1
Project/Site: Con Edison - Woodworth Ave MGP

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-182371-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-182371-1	WC2	Water	05/16/19 17:40	05/17/19 17:15	

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Melissa Felter	Samplers Name (Printed): Matthew Sandefur	Site/Project Identification: Con-Edison – Woodworth Ave MGP
Company: GEI Consultants, Inc.	P. O. #: 1900674	State (Location of site): NJ: ☐ NY: ☒ Other:
Address: 455 Winding Brook Drive, Suite 201	Analysis Turnaround Time: Standard ☒	Regulatory Program: DKQP: ☐
City: Glastonbury State: CT	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No:
Phone: 860-368-5300 Fax: msandefur@geiconsultants.com		Job No: 182371

Sample Identification	Date	Time	Matrix	No. of Cont.	8260C-TCLP VOC	8082A-PCBs	8270D-TCLP SVOCs	6010D-TCLP Metals 7470A-TCLP Mercury	Sample Numbers
WCZ	5/16/19	1740	W		X	X	X	X	1

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH; 6 = Other _____, 7 = Other _____

Soil:				
Water:	X	X	X	X

460-182371 Chain of Custody

Special Instructions

Water Metals Filtered (Yes/No)? N

Relinquished by: Matthew Sandefur	Company: GEI	Date / Time: 5/16/19 1900	Received by 1): Tim Yap	Company: TA Edison
Relinquished by 2): Tim Yap	Company: TA Edison	Date / Time: 5/17/19 1715	Received by 2):	Company: TA Edi
Relinquished by 3):	Company:	Date / Time:	Received by 3):	Company:
Relinquished by 4):	Company:	Date / Time:	Received by 4):	Company:

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0715)

IR # 9 1.2 °C 2.3 °C No CS

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 182371

Number of Coolers: 2 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.2 °C	1.2 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	2.3 °C	2.3 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: TY Date: 5/17/19

Login Sample Receipt Checklist

Client: GEI Consultants, Inc.

Job Number: 460-182371-1

Login Number: 182371
List Number: 1
Creator: Villanueva, Angelica P

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-185463-1
Client Project/Site: Con Edison - Woodworth Ave MGP

For:
GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, Connecticut 06033

Attn: Melissa Felter

Authorized for release by:
7/10/2019 3:37:40 PM
Karima Hamzi, Project Management Assistant I
karima.hamzi@testamericainc.com

Designee for

Omayra Penas, Senior Project Manager
(732)593-2538
omayra.penas@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Karima Hamzi
Project Management Assistant I
7/10/2019 3:37:40 PM

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Definitions/Glossary

Client: GEI Consultants, Inc.
Job ID: 460-185463-1
Project/Site: Con Edison - Woodworth Ave MGP

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-185463-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: GEI Consultants, Inc.

Project: Con Edison - Woodworth Ave MGP

Report Number: 460-185463-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The sample was received on 6/28/2019 3:10 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample NAPL WC (460-185463-1) was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C (1311). The samples were leached on 07/05/2019 and analyzed on 07/08/2019.

The laboratory control sample (LCS) and / or %RPD for analytical batch 460-622893 recovered outside control limits for the following analyte: Vinyl chloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

Sample NAPL WC (460-185463-1)[500X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the TCLP volatiles analysis.

All other quality control parameters were within the acceptance limits.

IGNITABILITY

Sample NAPL WC (460-185463-1) was analyzed for Ignitability in accordance with EPA SW-846 Method 1020B. The samples were analyzed on 07/08/2019.

No difficulties were encountered during the Ignitability analysis.

Job ID: 460-185463-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPUNDS (GC/MS)
Sample NAPL WC (460-185463-1) was analyzed for semivolatile organic compunds (GC/MS) in accordance with EPA SW-846 Method 8270. The samples were prepared on 07/05/2019 and analyzed on 07/08/2019.

The continuing calibration verification (CCV) analyzed in batch 460-622863 was outside the method criteria for the following analyte(s): < Pyridine and 2,4,6-Tribromophenol (Surr)>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Sample NAPL WC (460-185463-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 07/05/2019 and analyzed on 07/06/2019.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

TCLP METALS
Sample NAPL WC (460-185463-1) was analyzed for TCLP metals in accordance with 6010D. The samples were leached on 07/08/2019, and prepared and analyzed on 07/09/2019.

No difficulties were encountered during the TCLP metals analysis.

All quality control parameters were within the acceptance limits.

TCLP MERCURY
Sample NAPL WC (460-185463-1) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 07/08/2019, and prepared and analyzed on 07/09/2019.

Due to the matrix, the initial volume used for the following sample deviated from the standard procedure: NAPL WC (460-185463-1). The reporting limits (RLs) have been adjusted proportionately.

No other difficulties were encountered during the TCLP Hg analysis.

All other quality control parameters were within the acceptance limits.

REACTIVE CYANIDE
Sample NAPL WC (460-185463-1) was analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 07/06/2019.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE
Sample NAPL WC (460-185463-1) was analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 07/06/2019.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-185463-1

Client Sample ID: NAPL WC

Lab Sample ID: 460-185463-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.5		0.50	0.10	mg/L	500		8260C	TCLP
Arsenic	12800		3750	665	ug/L	5		6010D	TCLP
Lead	1140	J	2500	613	ug/L	5		6010D	TCLP
Mercury	43.4		6.0	3.5	ug/L	1		7470A	TCLP
Ignitability	152				Degrees F	1		1020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-185463-1

Client Sample ID: NAPL WC

Date Collected: 06/27/19 15:30
Date Received: 06/28/19 15:10

Lab Sample ID: 460-185463-1

Matrix: Waste

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.50	U	0.50	0.13	mg/L			07/08/19 12:22	500
1,2-Dichloroethane	0.50	U	0.50	0.22	mg/L			07/08/19 12:22	500
2-Butanone (MEK)	2.5	U	2.5	0.93	mg/L			07/08/19 12:22	500
Benzene	**4.5**		0.50	0.10	mg/L			07/08/19 12:22	500
Carbon tetrachloride	0.50	U	0.50	0.11	mg/L			07/08/19 12:22	500
Chlorobenzene	0.50	U	0.50	0.19	mg/L			07/08/19 12:22	500
Chloroform	0.50	U	0.50	0.17	mg/L			07/08/19 12:22	500
Tetrachloroethene	0.50	U	0.50	0.13	mg/L			07/08/19 12:22	500
Trichloroethene	0.50	U	0.50	0.16	mg/L			07/08/19 12:22	500
Vinyl chloride	0.50	U *	0.50	0.085	mg/L			07/08/19 12:22	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*74 - 132*		*07/08/19 12:22*	*500*
4-Bromofluorobenzene	*101*		*77 - 124*		*07/08/19 12:22*	*500*
Dibromofluoromethane (Surr)	*106*		*72 - 131*		*07/08/19 12:22*	*500*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/08/19 12:22*	*500*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	4900	U	4900	2500	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
2,4,5-Trichlorophenol	20000	U	20000	9800	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
2,4,6-Trichlorophenol	4900	U	4900	2500	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
2,4-Dinitrotoluene	9800	U	9800	4900	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
2-Methylphenol	9800	U	9800	4900	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
3 & 4 Methylphenol	9800	U	9800	4900	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
Hexachlorobenzene	4900	U	4900	2500	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
Hexachlorobutadiene	4900	U	4900	2500	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
Hexachloroethane	4900	U	4900	2500	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
Nitrobenzene	4900	U	4900	2500	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
Pentachlorophenol	9800	U	9800	4900	ug/Kg		07/05/19 23:56	07/08/19 09:38	1
Pyridine	20000	U	20000	9800	ug/Kg		07/05/19 23:56	07/08/19 09:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*28 - 141*	*07/05/19 23:56*	*07/08/19 09:38*	*1*
2-Fluorobiphenyl	*89*		*52 - 144*	*07/05/19 23:56*	*07/08/19 09:38*	*1*
2-Fluorophenol (Surr)	*82*		*36 - 150*	*07/05/19 23:56*	*07/08/19 09:38*	*1*
Nitrobenzene-d5 (Surr)	*87*		*47 - 150*	*07/05/19 23:56*	*07/08/19 09:38*	*1*
Phenol-d5 (Surr)	*81*		*35 - 150*	*07/05/19 23:56*	*07/08/19 09:38*	*1*
Terphenyl-d14 (Surr)	*94*		*21 - 150*	*07/05/19 23:56*	*07/08/19 09:38*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	960	U	960	160	ug/Kg		07/05/19 23:43	07/06/19 11:28	1
Aroclor 1221	960	U	960	210	ug/Kg		07/05/19 23:43	07/06/19 11:28	1
Aroclor 1232	960	U	960	250	ug/Kg		07/05/19 23:43	07/06/19 11:28	1
Aroclor 1242	960	U	960	160	ug/Kg		07/05/19 23:43	07/06/19 11:28	1
Aroclor 1248	960	U	960	160	ug/Kg		07/05/19 23:43	07/06/19 11:28	1
Aroclor 1254	960	U	960	160	ug/Kg		07/05/19 23:43	07/06/19 11:28	1
Aroclor 1260	960	U	960	160	ug/Kg		07/05/19 23:43	07/06/19 11:28	1
Aroclor-1262	960	U	960	270	ug/Kg		07/05/19 23:43	07/06/19 11:28	1

Client Sample ID: NAPL WC
Lab Sample ID: 460-185463-1

Date Collected: 06/27/19 15:30
Matrix: Waste

Date Received: 06/28/19 15:10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	960	U	960	270	ug/Kg		07/05/19 23:43	07/06/19 11:28	1
Polychlorinated biphenyls, Total	960	U	960	270	ug/Kg		07/05/19 23:43	07/06/19 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*51 - 150*	*07/05/19 23:43*	*07/06/19 11:28*	*1*
DCB Decachlorobiphenyl	*100*		*51 - 150*	*07/05/19 23:43*	*07/06/19 11:28*	*1*

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2500	U	2500	268	ug/L		07/09/19 11:13	07/09/19 13:49	5
Arsenic	**12800**		3750	665	ug/L		07/09/19 11:13	07/09/19 13:49	5
Barium	50000	U	50000	1920	ug/L		07/09/19 11:13	07/09/19 13:49	5
Cadmium	1000	U	1000	54.8	ug/L		07/09/19 11:13	07/09/19 13:49	5
Chromium	2500	U	2500	315	ug/L		07/09/19 11:13	07/09/19 13:49	5
Lead	**1140**	**J**	2500	613	ug/L		07/09/19 11:13	07/09/19 13:49	5
Selenium	5000	U	5000	1650	ug/L		07/09/19 11:13	07/09/19 13:49	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**43.4**		6.0	3.5	ug/L		07/09/19 13:57	07/09/19 15:41	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	**152**				Degrees F			07/08/19 11:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		07/06/19 11:02	07/06/19 16:59	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		07/06/19 11:02	07/06/19 16:58	1

Surrogate Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-185463-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Waste — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
LCS 460-622893/4	Lab Control Sample	113	99	105	106
LCSD 460-622893/5	Lab Control Sample Dup	111	97	104	107
MB 460-622893/8	Method Blank	112	100	106	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Waste — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
460-185463-1	NAPL WC	114	101	106	106
LB 460-622472/1-A	Method Blank	116	100	106	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Waste — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(28-141)	(52-144)	(36-150)	(47-150)	(35-150)	(21-150)
460-185463-1	NAPL WC	100	89	82	87	81	94
LCS 460-622659/2-A	Lab Control Sample	115	93	89	90	89	98
LCSD 460-622659/3-A	Lab Control Sample Dup	111	90	88	88	88	97
MB 460-622659/1-A	Method Blank	115	94	90	92	90	99

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Waste — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(51-150)	(51-150)
460-185463-1	NAPL WC	85	100
LCS 460-622657/2-A	Lab Control Sample	108	110

Surrogate Summary

Client: GEI Consultants, Inc. Job ID: 460-185463-1
Project/Site: Con Edison - Woodworth Ave MGP

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Waste **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCBP1 (51-150)	DCBP2 (51-150)								
LCSD 460-622657/3-A	Lab Control Sample Dup	99	108								
MB 460-622657/1-A	Method Blank	97	112								

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-622893/8
Matrix: Waste
Analysis Batch: 622893

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00026	mg/L			07/08/19 08:23	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00043	mg/L			07/08/19 08:23	1
2-Butanone (MEK)	0.0050	U	0.0050	0.0019	mg/L			07/08/19 08:23	1
Benzene	0.0010	U	0.0010	0.00020	mg/L			07/08/19 08:23	1
Carbon tetrachloride	0.0010	U	0.0010	0.00021	mg/L			07/08/19 08:23	1
Chlorobenzene	0.0010	U	0.0010	0.00038	mg/L			07/08/19 08:23	1
Chloroform	0.0010	U	0.0010	0.00033	mg/L			07/08/19 08:23	1
Tetrachloroethene	0.0010	U	0.0010	0.00025	mg/L			07/08/19 08:23	1
Trichloroethene	0.0010	U	0.0010	0.00031	mg/L			07/08/19 08:23	1
Vinyl chloride	0.0010	U	0.0010	0.00017	mg/L			07/08/19 08:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*74 - 132*		*07/08/19 08:23*	*1*
4-Bromofluorobenzene	*100*		*77 - 124*		*07/08/19 08:23*	*1*
Dibromofluoromethane (Surr)	*106*		*72 - 131*		*07/08/19 08:23*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/08/19 08:23*	*1*

Lab Sample ID: LCS 460-622893/4
Matrix: Waste
Analysis Batch: 622893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0200	0.0203		mg/L		102	74 - 123
1,2-Dichloroethane	0.0200	0.0226		mg/L		113	76 - 121
2-Butanone (MEK)	0.100	0.103		mg/L		103	64 - 120
Benzene	0.0200	0.0221		mg/L		111	77 - 121
Carbon tetrachloride	0.0200	0.0199		mg/L		99	70 - 132
Chlorobenzene	0.0200	0.0205		mg/L		103	80 - 120
Chloroform	0.0200	0.0224		mg/L		112	80 - 120
Tetrachloroethene	0.0200	0.0210		mg/L		105	78 - 122
Trichloroethene	0.0200	0.0200		mg/L		100	77 - 120
Vinyl chloride	0.0200	0.0284	*	mg/L		142	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*74 - 132*
4-Bromofluorobenzene	*99*		*77 - 124*
Dibromofluoromethane (Surr)	*105*		*72 - 131*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: LCSD 460-622893/5
Matrix: Waste
Analysis Batch: 622893

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0183		mg/L		92	74 - 123	10	30
1,2-Dichloroethane	0.0200	0.0224		mg/L		112	76 - 121	1	30
2-Butanone (MEK)	0.100	0.102		mg/L		102	64 - 120	1	30
Benzene	0.0200	0.0213		mg/L		107	77 - 121	4	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-622893/5
Matrix: Waste
Analysis Batch: 622893

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon tetrachloride			0.0200	0.0185		mg/L		92	70 - 132	7	30
Chlorobenzene			0.0200	0.0198		mg/L		99	80 - 120	3	30
Chloroform			0.0200	0.0215		mg/L		108	80 - 120	4	30
Tetrachloroethene			0.0200	0.0193		mg/L		97	78 - 122	8	30
Trichloroethene			0.0200	0.0188		mg/L		94	77 - 120	6	30
Vinyl chloride			0.0200	0.0197	*	mg/L		99	62 - 138	36	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*74 - 132*
4-Bromofluorobenzene	*97*		*77 - 124*
Dibromofluoromethane (Surr)	*104*		*72 - 131*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: LB 460-622472/1-A
Matrix: Waste
Analysis Batch: 622893

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.010	U	0.010	0.0026	mg/L			07/08/19 12:04	10
1,2-Dichloroethane	0.010	U	0.010	0.0043	mg/L			07/08/19 12:04	10
2-Butanone (MEK)	0.050	U	0.050	0.019	mg/L			07/08/19 12:04	10
Benzene	0.010	U	0.010	0.0020	mg/L			07/08/19 12:04	10
Carbon tetrachloride	0.010	U	0.010	0.0021	mg/L			07/08/19 12:04	10
Chlorobenzene	0.010	U	0.010	0.0038	mg/L			07/08/19 12:04	10
Chloroform	0.010	U	0.010	0.0033	mg/L			07/08/19 12:04	10
Tetrachloroethene	0.010	U	0.010	0.0025	mg/L			07/08/19 12:04	10
Trichloroethene	0.010	U	0.010	0.0031	mg/L			07/08/19 12:04	10
Vinyl chloride	0.010	U	0.010	0.0017	mg/L			07/08/19 12:04	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*74 - 132*		*07/08/19 12:04*	*10*
4-Bromofluorobenzene	*100*		*77 - 124*		*07/08/19 12:04*	*10*
Dibromofluoromethane (Surr)	*106*		*72 - 131*		*07/08/19 12:04*	*10*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/08/19 12:04*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-622659/1-A
Matrix: Waste
Analysis Batch: 622863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 622659

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	5000	U	5000	2500	ug/Kg		07/05/19 23:56	07/08/19 01:07	1
2,4,5-Trichlorophenol	20000	U	20000	10000	ug/Kg		07/05/19 23:56	07/08/19 01:07	1
2,4,6-Trichlorophenol	5000	U	5000	2500	ug/Kg		07/05/19 23:56	07/08/19 01:07	1
2,4-Dinitrotoluene	10000	U	10000	5000	ug/Kg		07/05/19 23:56	07/08/19 01:07	1
2-Methylphenol	10000	U	10000	5000	ug/Kg		07/05/19 23:56	07/08/19 01:07	1
3 & 4 Methylphenol	10000	U	10000	5000	ug/Kg		07/05/19 23:56	07/08/19 01:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-622659/1-A
Matrix: Waste
Analysis Batch: 622863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 622659

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	5000	U	5000	2500	ug/Kg		07/05/19 23:56	07/08/19 01:07	1
Hexachlorobutadiene	5000	U	5000	2500	ug/Kg		07/05/19 23:56	07/08/19 01:07	1
Hexachloroethane	5000	U	5000	2500	ug/Kg		07/05/19 23:56	07/08/19 01:07	1
Nitrobenzene	5000	U	5000	2500	ug/Kg		07/05/19 23:56	07/08/19 01:07	1
Pentachlorophenol	10000	U	10000	5000	ug/Kg		07/05/19 23:56	07/08/19 01:07	1
Pyridine	20000	U	20000	10000	ug/Kg		07/05/19 23:56	07/08/19 01:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*115*		*28 - 141*	*07/05/19 23:56*	*07/08/19 01:07*	*1*
2-Fluorobiphenyl	*94*		*52 - 144*	*07/05/19 23:56*	*07/08/19 01:07*	*1*
2-Fluorophenol (Surr)	*90*		*36 - 150*	*07/05/19 23:56*	*07/08/19 01:07*	*1*
Nitrobenzene-d5 (Surr)	*92*		*47 - 150*	*07/05/19 23:56*	*07/08/19 01:07*	*1*
Phenol-d5 (Surr)	*90*		*35 - 150*	*07/05/19 23:56*	*07/08/19 01:07*	*1*
Terphenyl-d14 (Surr)	*99*		*21 - 150*	*07/05/19 23:56*	*07/08/19 01:07*	*1*

Lab Sample ID: LCS 460-622659/2-A
Matrix: Waste
Analysis Batch: 622863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 622659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	100000	97900		ug/Kg		98	76 - 128
2,4,5-Trichlorophenol	100000	92800		ug/Kg		93	53 - 134
2,4,6-Trichlorophenol	100000	100000		ug/Kg		100	63 - 136
2,4-Dinitrotoluene	100000	105000		ug/Kg		105	58 - 150
2-Methylphenol	100000	93400		ug/Kg		93	58 - 123
3 & 4 Methylphenol	100000	93100		ug/Kg		93	52 - 126
Hexachlorobenzene	100000	108000		ug/Kg		108	76 - 146
Hexachlorobutadiene	100000	105000		ug/Kg		105	74 - 143
Hexachloroethane	100000	104000		ug/Kg		104	76 - 129
Nitrobenzene	100000	95000		ug/Kg		95	72 - 134
Pentachlorophenol	200000	194000		ug/Kg		97	68 - 135
Pyridine	200000	191000		ug/Kg		95	48 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*115*		*28 - 141*
2-Fluorobiphenyl	*93*		*52 - 144*
2-Fluorophenol (Surr)	*89*		*36 - 150*
Nitrobenzene-d5 (Surr)	*90*		*47 - 150*
Phenol-d5 (Surr)	*89*		*35 - 150*
Terphenyl-d14 (Surr)	*98*		*21 - 150*

Lab Sample ID: LCSD 460-622659/3-A
Matrix: Waste
Analysis Batch: 622863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 622659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	100000	100000		ug/Kg		100	76 - 128	2	30
2,4,5-Trichlorophenol	100000	96200		ug/Kg		96	53 - 134	4	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-622659/3-A
Matrix: Waste
Analysis Batch: 622863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 622659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	100000	98600		ug/Kg		99	63 - 136	2	30
2,4-Dinitrotoluene	100000	106000		ug/Kg		106	58 - 150	2	30
2-Methylphenol	100000	94900		ug/Kg		95	58 - 123	2	30
3 & 4 Methylphenol	100000	93300		ug/Kg		93	52 - 126	0	30
Hexachlorobenzene	100000	108000		ug/Kg		108	76 - 146	0	30
Hexachlorobutadiene	100000	106000		ug/Kg		106	74 - 143	1	30
Hexachloroethane	100000	102000		ug/Kg		102	76 - 129	2	30
Nitrobenzene	100000	99100		ug/Kg		99	72 - 134	4	30
Pentachlorophenol	200000	200000		ug/Kg		100	68 - 135	3	30
Pyridine	200000	193000		ug/Kg		97	48 - 139	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*111*		*28 - 141*
2-Fluorobiphenyl	*90*		*52 - 144*
2-Fluorophenol (Surr)	*88*		*36 - 150*
Nitrobenzene-d5 (Surr)	*88*		*47 - 150*
Phenol-d5 (Surr)	*88*		*35 - 150*
Terphenyl-d14 (Surr)	*97*		*21 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-622657/1-A
Matrix: Waste
Analysis Batch: 622688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 622657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	1000	U	1000	170	ug/Kg		07/05/19 23:43	07/06/19 10:19	1
Aroclor 1221	1000	U	1000	220	ug/Kg		07/05/19 23:43	07/06/19 10:19	1
Aroclor 1232	1000	U	1000	260	ug/Kg		07/05/19 23:43	07/06/19 10:19	1
Aroclor 1242	1000	U	1000	170	ug/Kg		07/05/19 23:43	07/06/19 10:19	1
Aroclor 1248	1000	U	1000	170	ug/Kg		07/05/19 23:43	07/06/19 10:19	1
Aroclor 1254	1000	U	1000	170	ug/Kg		07/05/19 23:43	07/06/19 10:19	1
Aroclor 1260	1000	U	1000	170	ug/Kg		07/05/19 23:43	07/06/19 10:19	1
Aroclor-1262	1000	U	1000	280	ug/Kg		07/05/19 23:43	07/06/19 10:19	1
Aroclor 1268	1000	U	1000	280	ug/Kg		07/05/19 23:43	07/06/19 10:19	1
Polychlorinated biphenyls, Total	1000	U	1000	280	ug/Kg		07/05/19 23:43	07/06/19 10:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*51 - 150*	*07/05/19 23:43*	*07/06/19 10:19*	*1*
DCB Decachlorobiphenyl	*112*		*51 - 150*	*07/05/19 23:43*	*07/06/19 10:19*	*1*

Lab Sample ID: LCS 460-622657/2-A
Matrix: Waste
Analysis Batch: 622688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 622657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	5000	4960		ug/Kg		99	80 - 150
Aroclor 1016	5000	5700		ug/Kg		114	80 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-622657/2-A
Matrix: Waste
Analysis Batch: 622688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 622657

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1260			5000	5640		ug/Kg		113	80 - 150		
Aroclor 1260			5000	5940		ug/Kg		119	80 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*108*		*51 - 150*
DCB Decachlorobiphenyl	*110*		*51 - 150*

Lab Sample ID: LCSD 460-622657/3-A
Matrix: Waste
Analysis Batch: 622688

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 622657

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			5000	4340		ug/Kg		87	80 - 150	13	30
Aroclor 1016			5000	5580		ug/Kg		112	80 - 150	2	30
Aroclor 1260			5000	5200		ug/Kg		104	80 - 150	8	30
Aroclor 1260			5000	5830		ug/Kg		117	80 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*99*		*51 - 150*
DCB Decachlorobiphenyl	*108*		*51 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-623215/1-A
Matrix: Waste
Analysis Batch: 623263

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	1.1	ug/L		07/09/19 09:31	07/09/19 14:04	1
Arsenic	15.0	U	15.0	2.7	ug/L		07/09/19 09:31	07/09/19 14:04	1
Barium	200	U	200	7.7	ug/L		07/09/19 09:31	07/09/19 14:04	1
Cadmium	4.0	U	4.0	0.22	ug/L		07/09/19 09:31	07/09/19 14:04	1
Chromium	10.0	U	10.0	1.3	ug/L		07/09/19 09:31	07/09/19 14:04	1
Lead	10.0	U	10.0	2.5	ug/L		07/09/19 09:31	07/09/19 14:04	1
Selenium	20.0	U	20.0	6.6	ug/L		07/09/19 09:31	07/09/19 14:04	1

Lab Sample ID: LCS 460-623215/2-A
Matrix: Waste
Analysis Batch: 623263

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623215

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silver			500	462.8		ug/L		93	80 - 120		
Arsenic			5000	4681		ug/L		94	80 - 120		
Barium			10000	10030		ug/L		100	80 - 120		
Cadmium			1000	1015		ug/L		102	80 - 120		
Chromium			5000	4997		ug/L		100	80 - 120		
Lead			5000	4994		ug/L		100	80 - 120		
Selenium			1000	948.8		ug/L		95	80 - 120		

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LB 460-623055/1-B ^5
Matrix: Waste
Analysis Batch: 623263

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 623215

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	50.0	U	50.0	5.4	ug/L		07/09/19 11:13	07/09/19 14:08	5
Arsenic	75.0	U	75.0	13.3	ug/L		07/09/19 11:13	07/09/19 14:08	5
Barium	1000	U	1000	38.4	ug/L		07/09/19 11:13	07/09/19 14:08	5
Cadmium	20.0	U	20.0	1.1	ug/L		07/09/19 11:13	07/09/19 14:08	5
Chromium	50.0	U	50.0	6.3	ug/L		07/09/19 11:13	07/09/19 14:08	5
Lead	50.0	U	50.0	12.3	ug/L		07/09/19 11:13	07/09/19 14:08	5
Selenium	100	U	100	33.0	ug/L		07/09/19 11:13	07/09/19 14:08	5

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-623301/1-A
Matrix: Waste
Analysis Batch: 623328

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		07/09/19 13:56	07/09/19 15:25	1

Lab Sample ID: LCS 460-623301/2-A
Matrix: Waste
Analysis Batch: 623328

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.00		ug/L		100	80 - 120

Lab Sample ID: LB 460-623055/1-C
Matrix: Waste
Analysis Batch: 623328

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 623301

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.12	ug/L		07/09/19 13:57	07/09/19 16:19	1

Lab Sample ID: 460-185778-E-1-I MS
Matrix: Waste
Analysis Batch: 623328

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 623301

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.20	U	5.00	4.96		ug/L		99	75 - 125

Lab Sample ID: 460-185778-E-1-H DU
Matrix: Waste
Analysis Batch: 623328

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 623301

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Method: 1020B - Ignitability, Small Scale Closed-Cup Method

Lab Sample ID: LCDSRM 460-623017/2
Matrix: Waste
Analysis Batch: 623017

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ignitability			81.0	81.00		Degrees F		100.0	98.1 - 101.9	0	20

Lab Sample ID: LCSSRM 460-623017/1
Matrix: Waste
Analysis Batch: 623017

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Ignitability			81.0	81.00		Degrees F		100.0	98.1 - 101.9		

Lab Sample ID: 180-92272-H-1 DU
Matrix: Waste
Analysis Batch: 623017

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ignitability	>160			>160		Degrees F				NC	10

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-622726/1-A
Matrix: Waste
Analysis Batch: 622749

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 622726

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		07/06/19 11:02	07/06/19 16:59	1

Lab Sample ID: LCS 460-622726/2-A
Matrix: Waste
Analysis Batch: 622749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 622726

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Reactive			40.0	25.0	U	mg/Kg		25	10 - 100		

Lab Sample ID: 460-185463-1 DU
Matrix: Waste
Analysis Batch: 622749

Client Sample ID: NAPL WC
Prep Type: Total/NA
Prep Batch: 622726

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Reactive	25.0	U		25.0	U	mg/Kg				NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-622725/1-A
Matrix: Waste
Analysis Batch: 622748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 622725

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		07/06/19 11:02	07/06/19 16:58	1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCSSRM 460-622725/3-A
Matrix: Waste
Analysis Batch: 622748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 622725

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide, Reactive			59.7	43.73		mg/Kg		73.2	44.2 - 144.7		

Lab Sample ID: 460-185463-1 MS
Matrix: Waste
Analysis Batch: 622748

Client Sample ID: NAPL WC
Prep Type: Total/NA
Prep Batch: 622725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide, Reactive	20.0	U	240	232.9		mg/Kg		97	64 - 136		

Lab Sample ID: 460-185463-1 MSD
Matrix: Waste
Analysis Batch: 622748

Client Sample ID: NAPL WC
Prep Type: Total/NA
Prep Batch: 622725

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	240	240.5		mg/Kg		100	64 - 136	3	10

QC Association Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-185463-1

GC/MS VOA

Leach Batch: 622472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	TCLP	Waste	1311	
LB 460-622472/1-A	Method Blank	TCLP	Waste	1311	

Analysis Batch: 622893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	TCLP	Waste	8260C	622472
LB 460-622472/1-A	Method Blank	TCLP	Waste	8260C	622472
MB 460-622893/8	Method Blank	Total/NA	Waste	8260C	
LCS 460-622893/4	Lab Control Sample	Total/NA	Waste	8260C	
LCSD 460-622893/5	Lab Control Sample Dup	Total/NA	Waste	8260C	

GC/MS Semi VOA

Prep Batch: 622659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	Total/NA	Waste	3580A	
MB 460-622659/1-A	Method Blank	Total/NA	Waste	3580A	
LCS 460-622659/2-A	Lab Control Sample	Total/NA	Waste	3580A	
LCSD 460-622659/3-A	Lab Control Sample Dup	Total/NA	Waste	3580A	

Analysis Batch: 622863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	Total/NA	Waste	8270D	622659
MB 460-622659/1-A	Method Blank	Total/NA	Waste	8270D	622659
LCS 460-622659/2-A	Lab Control Sample	Total/NA	Waste	8270D	622659
LCSD 460-622659/3-A	Lab Control Sample Dup	Total/NA	Waste	8270D	622659

GC Semi VOA

Prep Batch: 622657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	Total/NA	Waste	3580A	
MB 460-622657/1-A	Method Blank	Total/NA	Waste	3580A	
LCS 460-622657/2-A	Lab Control Sample	Total/NA	Waste	3580A	
LCSD 460-622657/3-A	Lab Control Sample Dup	Total/NA	Waste	3580A	

Analysis Batch: 622688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	Total/NA	Waste	8082A	622657
MB 460-622657/1-A	Method Blank	Total/NA	Waste	8082A	622657
LCS 460-622657/2-A	Lab Control Sample	Total/NA	Waste	8082A	622657
LCSD 460-622657/3-A	Lab Control Sample Dup	Total/NA	Waste	8082A	622657

Metals

Leach Batch: 622554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185778-E-1-I MS	Matrix Spike	TCLP	Waste	1311	
460-185778-E-1-H DU	Duplicate	TCLP	Waste	1311	

Metals

Leach Batch: 623055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	TCLP	Waste	1311	
LB 460-623055/1-B ^5	Method Blank	TCLP	Waste	1311	
LB 460-623055/1-C	Method Blank	TCLP	Waste	1311	

Prep Batch: 623215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	TCLP	Waste	3010A	623055
LB 460-623055/1-B ^5	Method Blank	TCLP	Waste	3010A	623055
MB 460-623215/1-A	Method Blank	Total/NA	Waste	3010A	
LCS 460-623215/2-A	Lab Control Sample	Total/NA	Waste	3010A	

Analysis Batch: 623263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	TCLP	Waste	6010D	623215
LB 460-623055/1-B ^5	Method Blank	TCLP	Waste	6010D	623215
MB 460-623215/1-A	Method Blank	Total/NA	Waste	6010D	623215
LCS 460-623215/2-A	Lab Control Sample	Total/NA	Waste	6010D	623215

Prep Batch: 623301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	TCLP	Waste	7470A	623055
LB 460-623055/1-C	Method Blank	TCLP	Waste	7470A	623055
MB 460-623301/1-A	Method Blank	Total/NA	Waste	7470A	
LCS 460-623301/2-A	Lab Control Sample	Total/NA	Waste	7470A	
460-185778-E-1-I MS	Matrix Spike	TCLP	Waste	7470A	622554
460-185778-E-1-H DU	Duplicate	TCLP	Waste	7470A	622554

Analysis Batch: 623328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	TCLP	Waste	7470A	623301
LB 460-623055/1-C	Method Blank	TCLP	Waste	7470A	623301
MB 460-623301/1-A	Method Blank	Total/NA	Waste	7470A	623301
LCS 460-623301/2-A	Lab Control Sample	Total/NA	Waste	7470A	623301
460-185778-E-1-I MS	Matrix Spike	TCLP	Waste	7470A	623301
460-185778-E-1-H DU	Duplicate	TCLP	Waste	7470A	623301

General Chemistry

Prep Batch: 622725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	Total/NA	Waste	7.3.4	
MB 460-622725/1-A	Method Blank	Total/NA	Waste	7.3.4	
LCSSRM 460-622725/3-A	Lab Control Sample	Total/NA	Waste	7.3.4	
460-185463-1 MS	NAPL WC	Total/NA	Waste	7.3.4	
460-185463-1 MSD	NAPL WC	Total/NA	Waste	7.3.4	

Prep Batch: 622726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	Total/NA	Waste	7.3.3	
MB 460-622726/1-A	Method Blank	Total/NA	Waste	7.3.3	
LCS 460-622726/2-A	Lab Control Sample	Total/NA	Waste	7.3.3	

General Chemistry (Continued)

Prep Batch: 622726 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1 DU	NAPL WC	Total/NA	Waste	7.3.3	

Analysis Batch: 622748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	Total/NA	Waste	9034	622725
MB 460-622725/1-A	Method Blank	Total/NA	Waste	9034	622725
LCSSRM 460-622725/3-A	Lab Control Sample	Total/NA	Waste	9034	622725
460-185463-1 MS	NAPL WC	Total/NA	Waste	9034	622725
460-185463-1 MSD	NAPL WC	Total/NA	Waste	9034	622725

Analysis Batch: 622749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	Total/NA	Waste	9014	622726
MB 460-622726/1-A	Method Blank	Total/NA	Waste	9014	622726
LCS 460-622726/2-A	Lab Control Sample	Total/NA	Waste	9014	622726
460-185463-1 DU	NAPL WC	Total/NA	Waste	9014	622726

Analysis Batch: 623017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-185463-1	NAPL WC	Total/NA	Waste	1020B	
LCDSRM 460-623017/2	Lab Control Sample Dup	Total/NA	Waste	1020B	
LCSSRM 460-623017/1	Lab Control Sample	Total/NA	Waste	1020B	
180-92272-H-1 DU	Duplicate	Total/NA	Waste	1020B	

Lab Chronicle

Client: GEI Consultants, Inc.
Job ID: 460-185463-1
Project/Site: Con Edison - Woodworth Ave MGP

Client Sample ID: NAPL WC
Lab Sample ID: 460-185463-1
Date Collected: 06/27/19 15:30
Matrix: Waste
Date Received: 06/28/19 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			622472	07/05/19 08:30	BJB	TAL EDI
TCLP	Analysis	8260C		500	622893	07/08/19 12:22	MZS	TAL EDI
Total/NA	Prep	3580A			622659	07/05/19 23:56	JMS	TAL EDI
Total/NA	Analysis	8270D		1	622863	07/08/19 09:38	SK	TAL EDI
Total/NA	Prep	3580A			622657	07/05/19 23:43	JMS	TAL EDI
Total/NA	Analysis	8082A		1	622688	07/06/19 11:28	JHP	TAL EDI
TCLP	Leach	1311			623055	07/08/19 15:00	YAH	TAL EDI
TCLP	Prep	3010A			623215	07/09/19 11:13	QZY	TAL EDI
TCLP	Analysis	6010D		5	623263	07/09/19 13:49	CDC	TAL EDI
TCLP	Leach	1311			623055	07/08/19 15:00	YAH	TAL EDI
TCLP	Prep	7470A			623301	07/09/19 13:57	RBS	TAL EDI
TCLP	Analysis	7470A		1	623328	07/09/19 15:41	RBS	TAL EDI
Total/NA	Analysis	1020B		1	623017	07/08/19 11:17	YAH	TAL EDI
Total/NA	Prep	7.3.3			622726	07/06/19 11:02	JJK	TAL EDI
Total/NA	Analysis	9014		1	622749	07/06/19 16:59	JJK	TAL EDI
Total/NA	Prep	7.3.4			622725	07/06/19 11:02	JJK	TAL EDI
Total/NA	Analysis	9034		1	622748	07/06/19 16:58	JJK	TAL EDI

Laboratory References:
TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: GEI Consultants, Inc.
Job ID: 460-185463-1
Project/Site: Con Edison - Woodworth Ave MGP

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11452	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Waste	Mercury
8082A	3580A	Waste	Polychlorinated biphenyls, Total
9014	7.3.3	Waste	Cyanide, Reactive
9034	7.3.4	Waste	Sulfide, Reactive

Method Summary

Client: GEI Consultants, Inc.
Job ID: 460-185463-1
Project/Site: Con Edison - Woodworth Ave MGP

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
6010D	Metals (ICP)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
1020B	Ignitability, Small Scale Closed-Cup Method	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3580A	Waste Dilution	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: GEI Consultants, Inc.
Project/Site: Con Edison - Woodworth Ave MGP

Job ID: 460-185463-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-185463-1	NAPL WC	Waste	06/27/19 15:30	06/28/19 15:10	

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice)	Samplers Name (Printed) M. Sondefar / C. Tenebruso	Site/Project Identification Con Edison - Woodworth Ave MGP
Company GEI Consultants, Inc	P. O. # 1900674	State (Location of site): NJ: ☐ NY: ☒ Other:
Address 455 Windsor Brook Drive, suite 201	Analysis Turnaround Time: Standard ☐	Regulatory Program: DKQP: ☐
City Glastonbury State CT	Rush Charges Authorized For: 2 Week ☐ 1 Week ☒ Other ☐	LAB USE ONLY Project No: Job No: 185463
Phone 860-368-5300 Fax		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	TCLP VOC	TCLP SVOCs	TCLP Metals	Ignitability, Reactive	Cyanide/Sulfide	PCBs	SHORT HOLD	Sample Numbers
NAPL WC	6/27/19	1530	O	5	X	X	X	X	X	X		

460-185463 Chain of Custody

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other _____, 7 = Other _____ Soil: Water:

Special Instructions Water Metals Filtered (Yes/No)? NO

	Relinquished by	Company	Date / Time	Received by	Company
1)	[signature]	GEI	6/27/19 1700	Tim Yap	TA Edison
2)	Tim Yap	TA Edison	6/28/19 1510	Angela Pinilla	TA Edison 6/28/19 15:10
3)					
4)					

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0715)

Massachusetts (M-NJ312), North Carolina (No. 578)

CR # 9 1.6 °C NOCS

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 185463

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.6 °C	1.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: TY **Date:** 6/28/19

Login Sample Receipt Checklist

Client: GEI Consultants, Inc.

Job Number: 460-185463-1

Login Number: 185463
List Number: 1
Creator: Pinilla, Angela C

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix G

Monitoring Well Sampling Logs

(Provided on CD)

Appendix H

Laboratory Analytical Results and Data Usability Reports

(Provided on CD)

Appendix I

CAMP Data

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_001
Test Start Time	8:32:49 AM
Test Start Date	3/27/2019
Test Length [D:H:M]	0:06:46
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.003
Mass Minimum [mg/m3]	-0.006
Mass Maximum [mg/m3]	0.035
Mass TWA [mg/m3]	-0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	406

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.001		
120	0		
180	0		
240	0		
300	0		
360	0		
420	0		
480	0		
540	0		
600	0		
660	0		
720	0.002		
780	0.002		
840	0.003		
900	0.002		
960	0.002		
1020	0		
1080	0		
1140	0		
1200	0.002		
1260	0.001		
1320	0		
1380	0		
1440	0.001		
1500	0		
1560	0		
1620	0		

1680	0
1740	0
1800	0.001
1860	0
1920	0
1980	0
2040	0
2100	-0.001
2160	0
2220	0
2280	0
2340	0
2400	-0.001
2460	0
2520	-0.001
2580	-0.001
2640	-0.002
2700	-0.002
2760	-0.002
2820	-0.002
2880	-0.001
2940	-0.001
3000	-0.002
3060	-0.002
3120	0
3180	-0.002
3240	-0.003
3300	-0.002
3360	-0.002
3420	-0.001
3480	-0.001
3540	-0.001
3600	-0.002
3660	-0.001
3720	-0.002
3780	-0.002
3840	-0.003
3900	-0.003
3960	-0.002
4020	-0.003
4080	-0.003
4140	-0.003
4200	-0.003
4260	-0.003
4320	-0.003
4380	-0.003
4440	-0.003

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

7320	-0.003
7380	-0.001
7440	-0.004
7500	-0.003
7560	-0.003
7620	-0.004
7680	-0.003
7740	-0.003
7800	-0.002
7860	-0.003
7920	-0.003
7980	-0.001
8040	-0.002
8100	-0.001
8160	-0.002
8220	-0.003
8280	-0.001
8340	-0.002
8400	-0.001
8460	-0.002
8520	-0.003
8580	-0.004
8640	-0.003
8700	-0.002
8760	-0.003
8820	-0.002
8880	-0.001
8940	-0.001
9000	-0.001
9060	-0.002
9120	-0.003
9180	-0.003
9240	-0.003
9300	-0.003
9360	-0.004
9420	-0.004
9480	-0.004
9540	-0.003
9600	-0.004
9660	-0.003
9720	-0.003
9780	-0.003
9840	-0.003
9900	-0.003
9960	-0.003
10020	-0.004
10080	-0.004

10140	-0.004
10200	-0.003
10260	-0.003
10320	-0.004
10380	-0.004
10440	-0.004
10500	-0.004
10560	-0.004
10620	-0.004
10680	-0.004
10740	-0.004
10800	-0.004
10860	-0.004
10920	-0.004
10980	-0.004
11040	-0.004
11100	-0.005
11160	-0.004
11220	-0.004
11280	-0.004
11340	-0.004
11400	-0.004
11460	-0.004
11520	-0.005
11580	-0.004
11640	-0.005
11700	-0.005
11760	-0.004
11820	-0.004
11880	-0.004
11940	-0.004
12000	-0.005
12060	-0.006
12120	-0.005
12180	-0.004
12240	-0.006
12300	-0.005
12360	-0.006
12420	-0.006
12480	-0.006
12540	-0.005
12600	-0.003
12660	-0.004
12720	-0.005
12780	0.01
12840	-0.005
12900	-0.005

12960	-0.005
13020	0
13080	-0.003
13140	-0.004
13200	-0.004
13260	-0.005
13320	-0.005
13380	-0.005
13440	-0.005
13500	-0.005
13560	-0.005
13620	-0.005
13680	-0.006
13740	-0.005
13800	-0.005
13860	-0.004
13920	-0.004
13980	-0.006
14040	-0.005
14100	-0.006
14160	-0.006
14220	-0.006
14280	-0.006
14340	-0.006
14400	-0.006
14460	-0.003
14520	-0.005
14580	-0.006
14640	-0.006
14700	-0.005
14760	-0.006
14820	-0.005
14880	-0.006
14940	-0.006
15000	-0.006
15060	-0.005
15120	0.001
15180	-0.005
15240	-0.006
15300	-0.006
15360	-0.004
15420	-0.004
15480	-0.006
15540	-0.006
15600	-0.006
15660	-0.006
15720	-0.006

15780	-0.006
15840	-0.006
15900	-0.006
15960	-0.004
16020	-0.004
16080	-0.005
16140	-0.005
16200	-0.001
16260	-0.003
16320	-0.004
16380	-0.005
16440	-0.005
16500	-0.005
16560	-0.005
16620	-0.006
16680	-0.006
16740	-0.003
16800	-0.005
16860	-0.005
16920	-0.005
16980	-0.006
17040	-0.006
17100	-0.006
17160	-0.005
17220	0.012
17280	0.035
17340	-0.005
17400	0
17460	0.006
17520	-0.005
17580	-0.005
17640	-0.005
17700	-0.003
17760	-0.005
17820	-0.005
17880	-0.004
17940	-0.002
18000	-0.005
18060	-0.006
18120	-0.006
18180	-0.006
18240	-0.005
18300	-0.004
18360	-0.005
18420	-0.005
18480	-0.005
18540	-0.004

18600	-0.003
18660	-0.004
18720	-0.004
18780	-0.005
18840	-0.004
18900	-0.004
18960	-0.005
19020	-0.005
19080	-0.005
19140	-0.005
19200	-0.005
19260	-0.004
19320	-0.004
19380	-0.005
19440	-0.004
19500	-0.004
19560	-0.003
19620	-0.002
19680	-0.005
19740	-0.005
19800	-0.006
19860	-0.003
19920	-0.005
19980	-0.005
20040	-0.005
20100	-0.004
20160	-0.006
20220	-0.005
20280	-0.006
20340	-0.005
20400	-0.005
20460	-0.004
20520	-0.006
20580	-0.006
20640	-0.006
20700	-0.006
20760	-0.006
20820	-0.006
20880	-0.006
20940	-0.005
21000	0
21060	0
21120	-0.004
21180	-0.004
21240	-0.004
21300	-0.004
21360	-0.005

21420	-0.005
21480	-0.005
21540	-0.005
21600	-0.005
21660	-0.005
21720	-0.004
21780	-0.003
21840	0
21900	-0.003
21960	-0.002
22020	-0.004
22080	-0.004
22140	-0.004
22200	0
22260	-0.001
22320	-0.004
22380	-0.001
22440	0.006
22500	0
22560	0
22620	-0.001
22680	-0.002
22740	-0.003
22800	-0.003
22860	-0.003
22920	-0.004
22980	-0.004
23040	-0.004
23100	-0.004
23160	-0.002
23220	-0.004
23280	-0.003
23340	-0.003
23400	-0.003
23460	-0.003
23520	-0.003
23580	-0.003
23640	-0.003
23700	-0.002
23760	0.001
23820	0
23880	-0.002
23940	0.003
24000	0.001
24060	0
24120	0
24180	-0.001

24240	0.005
24300	0
24360	0.001

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_002
Test Start Time	DustTrak II
Test Start Date	3/28/2019
Test Length [D:H:M]	0:06:53
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.008
Mass Minimum [mg/m3]	-0.015
Mass Maximum [mg/m3]	0.001
Mass TWA [mg/m3]	-0.008
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	293

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	-0.005		
120	-0.004		
180	-0.001		
240	-0.003		
300	-0.005		
360	-0.01		
420	-0.009		
480	-0.01		
540	-0.011		
600	-0.01		
660	-0.009		
720	-0.009		
780	-0.008		
840	-0.009		
900	-0.009		
960	-0.008		
1020	-0.009		
1080	-0.009		
1140	-0.009		
1200	-0.009		
1260	-0.007		
1320	-0.009		
1380	-0.007		
1440	-0.004		
1500	-0.005		
1560	-0.008		
1620	-0.006		

1680	-0.003
1740	-0.009
1800	-0.007
1860	0.001
1920	-0.004
1980	-0.004
2040	-0.006
2100	-0.006
2160	-0.004
2220	-0.005
2280	-0.004
2340	-0.006
2400	-0.007
2460	-0.004
2520	-0.004
2580	-0.005
2640	-0.002
2700	-0.005
2760	-0.006
2820	-0.007
2880	-0.007
2940	-0.007
3000	-0.006
3060	-0.003
3120	-0.005
3180	-0.007
3240	-0.007
3300	-0.006
3360	-0.009
3420	-0.01
3480	-0.01
3540	-0.012
3600	-0.012
3660	-0.011
3720	-0.01
3780	-0.012
3840	-0.012
3900	-0.013
3960	-0.012
4020	-0.011
4080	-0.011
4140	-0.008
4200	-0.009
4260	-0.004
4320	-0.009
4380	-0.011
4440	-0.012

4500	-0.012
4560	-0.012
4620	-0.015
4680	-0.013
4740	-0.012
4800	-0.011
4860	-0.01
4920	-0.003
4980	-0.001
5040	-0.006
5100	-0.011
5160	-0.007
5220	-0.003
5280	-0.007
5340	-0.012
5400	-0.012
5460	-0.011
5520	-0.006
5580	-0.005
5640	-0.012
5700	-0.008
5760	-0.008
5820	0
5880	0
5940	-0.002
6000	-0.006
6060	-0.008
6120	-0.007
6180	-0.006
6240	-0.003
6300	0
6360	-0.004
6420	-0.01
6480	-0.009
6540	-0.007
6600	-0.01
6660	-0.011
6720	-0.01
6780	-0.012
6840	-0.013
6900	-0.012
6960	-0.012
7020	-0.013
7080	-0.013
7140	-0.013
7200	-0.005
7260	-0.012

7320	-0.006
7380	-0.006
7440	-0.014
7500	-0.014
7560	-0.013
7620	-0.014
7680	-0.011
7740	-0.011
7800	-0.011
7860	-0.013
7920	-0.013
7980	-0.012
8040	-0.011
8100	-0.008
8160	-0.012
8220	-0.01
8280	-0.01
8340	-0.006
8400	-0.004
8460	-0.005
8520	-0.008
8580	-0.008
8640	-0.01
8700	-0.008
8760	-0.005
8820	-0.01
8880	-0.008
8940	-0.004
9000	-0.001
9060	-0.004
9120	-0.005
9180	-0.006
9240	-0.006
9300	-0.009
9360	-0.008
9420	-0.009
9480	-0.01
9540	-0.005
9600	-0.007
9660	-0.009
9720	-0.007
9780	-0.007
9840	-0.009
9900	-0.009
9960	-0.006
10020	-0.001
10080	-0.006

10140	-0.008
10200	-0.011
10260	-0.006
10320	-0.01
10380	-0.009
10440	-0.009
10500	-0.01
10560	-0.01
10620	-0.009
10680	-0.01
10740	-0.012
10800	-0.011
10860	-0.01
10920	-0.012
10980	-0.011
11040	-0.007
11100	-0.008
11160	-0.008
11220	-0.011
11280	-0.009
11340	-0.007
11400	-0.011
11460	-0.011
11520	-0.012
11580	-0.011
11640	-0.007
11700	-0.01
11760	-0.009
11820	-0.01
11880	-0.008
11940	-0.009
12000	-0.011
12060	-0.008
12120	-0.008
12180	-0.009
12240	-0.008
12300	-0.01
12360	-0.009
12420	-0.011
12480	-0.011
12540	-0.012
12600	-0.01
12660	-0.01
12720	-0.004
12780	-0.007
12840	-0.01
12900	-0.008

12960	-0.011
13020	-0.008
13080	-0.009
13140	-0.01
13200	-0.01
13260	-0.01
13320	-0.009
13380	-0.008
13440	-0.009
13500	-0.01
13560	-0.011
13620	-0.011
13680	-0.011
13740	-0.011
13800	-0.011
13860	-0.011
13920	-0.011
13980	-0.011
14040	-0.011
14100	-0.011
14160	-0.008
14220	-0.01
14280	-0.011
14340	-0.006
14400	-0.003
14460	-0.009
14520	-0.009
14580	-0.008
14640	-0.009
14700	-0.01
14760	-0.008
14820	-0.009
14880	-0.008
14940	-0.009
15000	-0.01
15060	-0.01
15120	-0.009
15180	-0.01
15240	-0.009
15300	-0.005
15360	-0.009
15420	-0.007
15480	-0.008
15540	-0.007
15600	-0.007
15660	-0.009
15720	-0.007

15780	-0.008
15840	-0.01
15900	-0.007
15960	-0.005
16020	-0.005
16080	-0.007
16140	-0.003
16200	-0.007
16260	-0.009
16320	-0.008
16380	-0.007
16440	-0.008
16500	-0.007
16560	-0.008
16620	-0.009
16680	-0.007
16740	-0.006
16800	-0.005
16860	-0.006
16920	-0.006
16980	-0.004
17040	-0.004
17100	-0.006
17160	-0.005
17220	-0.006
17280	-0.007
17340	-0.007
17400	-0.003
17460	-0.006
17520	-0.007
17580	-0.005

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_003
Test Start Time	8:05:41 AM
Test Start Date	3/29/2019
Test Length [D:H:M]	0:05:28
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	-0.003
Mass Maximum [mg/m3]	0.037
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	328

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	-0.002		
120	-0.003		
180	-0.003		
240	0		
300	0		
360	0		
420	0.004		
480	0.001		
540	0.001		
600	0.001		
660	0.001		
720	0.002		
780	0.001		
840	0		
900	0.001		
960	0		
1020	0		
1080	0		
1140	0.01		
1200	0.002		
1260	0		
1320	0		
1380	0		
1440	0		
1500	0.002		
1560	0		
1620	-0.001		

1680	-0.001
1740	-0.001
1800	0.001
1860	0.003
1920	0.006
1980	0.006
2040	0.002
2100	0
2160	0
2220	0
2280	0
2340	0
2400	0.002
2460	0.002
2520	0.002
2580	0
2640	0.006
2700	0.004
2760	0.001
2820	0.001
2880	0.005
2940	0.004
3000	0.004
3060	0.003
3120	0.003
3180	0.001
3240	0.001
3300	0
3360	0.001
3420	0
3480	0
3540	0
3600	0
3660	0
3720	0
3780	0.001
3840	0.001
3900	0.002
3960	0.001
4020	0
4080	0
4140	0
4200	0
4260	0
4320	0
4380	0
4440	0

4500	0.001
4560	0.002
4620	0.002
4680	0
4740	0.001
4800	0.001
4860	0
4920	0
4980	0
5040	0
5100	0
5160	0.001
5220	0
5280	0
5340	0
5400	0
5460	0
5520	0
5580	0
5640	0
5700	0
5760	0
5820	0
5880	0
5940	0
6000	-0.001
6060	0.001
6120	0
6180	0.005
6240	0.037
6300	0.007
6360	0.005
6420	0.006
6480	0.004
6540	0.002
6600	0.002
6660	0.003
6720	0.003
6780	0.004
6840	0.003
6900	0.009
6960	0.005
7020	0.005
7080	0.002
7140	0.002
7200	0.002
7260	0

7320	0.002
7380	0.001
7440	0.002
7500	0.001
7560	0
7620	0.009
7680	0.006
7740	0.004
7800	0.005
7860	0.005
7920	0.006
7980	0.005
8040	0.006
8100	0.001
8160	0
8220	0.001
8280	0.002
8340	0.005
8400	0.014
8460	0.009
8520	0.004
8580	0.001
8640	0.002
8700	0.001
8760	0.001
8820	0.001
8880	0.004
8940	0.003
9000	0.003
9060	0.001
9120	0.001
9180	0.009
9240	0.007
9300	0.001
9360	0.002
9420	0.003
9480	0.003
9540	0.001
9600	0
9660	0
9720	0
9780	0
9840	0.001
9900	0.002
9960	0.005
10020	0.003
10080	0.005

10140	0.004
10200	0.004
10260	0.01
10320	0.011
10380	0.006
10440	0.007
10500	0.005
10560	0.002
10620	0.003
10680	0.004
10740	0.006
10800	0.002
10860	0.005
10920	0.012
10980	0.011
11040	0.011
11100	0.008
11160	0.005
11220	0.004
11280	0.007
11340	0.008
11400	0.003
11460	0.007
11520	0.006
11580	0.011
11640	0.009
11700	0.006
11760	0.005
11820	0.015
11880	0.015
11940	0.012
12000	0.01
12060	0.002
12120	0.001
12180	0
12240	0.002
12300	0.002
12360	0.009
12420	0.011
12480	0.016
12540	0.009
12600	0.01
12660	0.012
12720	0.01
12780	0.011
12840	0.012
12900	0.009

12960	0.014
13020	0.013
13080	0.027
13140	0.022
13200	0.01
13260	0.009
13320	0.006
13380	0.007
13440	0.007
13500	0.008
13560	0.005
13620	0.006
13680	0.009
13740	0.006
13800	0.006
13860	0.006
13920	0.007
13980	0.005
14040	0.004
14100	0.004
14160	0.005
14220	0.005
14280	0.005
14340	0.008
14400	0.007
14460	0.008
14520	0.003
14580	0.001
14640	0.003
14700	0.002
14760	0.001
14820	0.001
14880	0.001
14940	0.003
15000	0.004
15060	0.012
15120	0.01
15180	0.007
15240	0.008
15300	0.008
15360	0.007
15420	0.006
15480	0.009
15540	0.006
15600	0.005
15660	0.004
15720	0.003

15780	0.011
15840	0.01
15900	0.007
15960	0.009
16020	0.007
16080	0.007
16140	0.008
16200	0.005
16260	0.004
16320	0.004
16380	0.004
16440	0.004
16500	0.003
16560	0.003
16620	0.003
16680	0.006
16740	0.007
16800	0.007
16860	0.01
16920	0.03
16980	0.034
17040	0.035
17100	0.019
17160	0.02
17220	0.008
17280	0.004
17340	0.005
17400	0.007
17460	0.009
17520	0.012
17580	0.016
17640	0.02
17700	0.018
17760	0.019
17820	0.021
17880	0.017
17940	0.013
18000	0.01
18060	0.013
18120	0.008
18180	0.006
18240	0.005
18300	0.005
18360	0.005
18420	0.005
18480	0.011
18540	0.013

18600	0.009
18660	0.01
18720	0.011
18780	0.01
18840	0.005
18900	0.004
18960	0.006
19020	0.007
19080	0.006
19140	0.005
19200	0.003
19260	0.003
19320	0.007
19380	0.005
19440	0.003
19500	0.002
19560	0.001
19620	0.001
19680	0.01

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_004
Test Start Time	8:07:08 AM
Test Start Date	4/1/2019
Test Length [D:H:M]	0:07:24
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.003
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.123
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	444

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.003		
120	0.013		
180	0.001		
240	0.001		
300	0.002		
360	0.001		
420	0.001		
480	0.002		
540	0.001		
600	0.002		
660	0.003		
720	0.001		
780	0.001		
840	0.001		
900	0.001		
960	0.002		
1020	0.001		
1080	0.001		
1140	0.002		
1200	0.002		
1260	0.001		
1320	0.003		
1380	0.004		
1440	0.002		
1500	0.001		
1560	0.005		
1620	0.001		

1680	0.002
1740	0.005
1800	0.004
1860	0.003
1920	0.001
1980	0.006
2040	0.002
2100	0.001
2160	0.001
2220	0.001
2280	0.005
2340	0.021
2400	0.003
2460	0.001
2520	0.003
2580	0.002
2640	0.002
2700	0.001
2760	0.006
2820	0.001
2880	0.004
2940	0.003
3000	0.003
3060	0.004
3120	0.011
3180	0.006
3240	0.002
3300	0.002
3360	0.004
3420	0.002
3480	0.002
3540	0.003
3600	0.001
3660	0.001
3720	0.002
3780	0.002
3840	0.001
3900	0.001
3960	0.001
4020	0.003
4080	0.005
4140	0.002
4200	0
4260	0.003
4320	0.002
4380	0.001
4440	0.001

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

7320	0.001
7380	0.001
7440	0.003
7500	0.006
7560	0.006
7620	0.001
7680	0.001
7740	0.001
7800	0.002
7860	0.002
7920	0.004
7980	0.005
8040	0.002
8100	0.001
8160	0.002
8220	0.002
8280	0.002
8340	0.002
8400	0.006
8460	0.002
8520	0.004
8580	0.004
8640	0.004
8700	0.003
8760	0.001
8820	0.008
8880	0.002
8940	0.001
9000	0.001
9060	0.002
9120	0.001
9180	0.001
9240	0.001
9300	0.001
9360	0.001
9420	0.002
9480	0.002
9540	0.002
9600	0.002
9660	0.001
9720	0.002
9780	0.002
9840	0.004
9900	0.005
9960	0.007
10020	0.005
10080	0.004

10140	0.005
10200	0.002
10260	0.002
10320	0.002
10380	0.001
10440	0.001
10500	0.001
10560	0.002
10620	0.001
10680	0.001
10740	0
10800	0.001
10860	0.004
10920	0.01
10980	0.001
11040	0.001
11100	0.001
11160	0
11220	0.001
11280	0.001
11340	0.001
11400	0.001
11460	0.001
11520	0.001
11580	0
11640	0
11700	0
11760	0.001
11820	0.001
11880	0
11940	0.001
12000	0.003
12060	0.026
12120	0.002
12180	0.001
12240	0.001
12300	0
12360	0.001
12420	0.001
12480	0
12540	0
12600	0.002
12660	0.001
12720	0.001
12780	0.001
12840	0
12900	0

12960	0.001
13020	0.003
13080	0.006
13140	0.006
13200	0.003
13260	0
13320	0
13380	0
13440	0
13500	0
13560	0.001
13620	0
13680	0
13740	0.005
13800	0.006
13860	0
13920	0.002
13980	0.001
14040	0
14100	0.001
14160	0.002
14220	0.001
14280	0.001
14340	0.001
14400	0
14460	0
14520	0.001
14580	0.001
14640	0.003
14700	0.001
14760	0.002
14820	0.001
14880	0
14940	0
15000	0
15060	0
15120	0.003
15180	0
15240	0
15300	0
15360	0
15420	0
15480	0
15540	0
15600	0
15660	0.001
15720	0

15780	0
15840	0.001
15900	0
15960	0
16020	0
16080	0
16140	0.003
16200	0.001
16260	0.001
16320	0.001
16380	0
16440	0
16500	0
16560	0.001
16620	0.001
16680	0.001
16740	0.001
16800	0.001
16860	0.001
16920	0.001
16980	0.001
17040	0.001
17100	0
17160	0.001
17220	0
17280	0.004
17340	0.004
17400	0.016
17460	0.003
17520	0.001
17580	0.001
17640	0.001
17700	0.006
17760	0.01
17820	0.013
17880	0.002
17940	0.004
18000	0.006
18060	0.002
18120	0.006
18180	0.009
18240	0.007
18300	0.005
18360	0.007
18420	0.001
18480	0.017
18540	0.002

18600	0
18660	0.007
18720	0.006
18780	0.008
18840	0.005
18900	0.01
18960	0.001
19020	0.005
19080	0.011
19140	0.008
19200	0.002
19260	0.005
19320	0.007
19380	0.004
19440	0.001
19500	0.002
19560	0.004
19620	0.003
19680	0.011
19740	0.008
19800	0.009
19860	0.002
19920	0.002
19980	0.004
20040	0.003
20100	0.007
20160	0.002
20220	0.005
20280	0.004
20340	0.003
20400	0.005
20460	0.006
20520	0.007
20580	0.005
20640	0.006
20700	0.004
20760	0.003
20820	0.001
20880	0.002
20940	0.001
21000	0.002
21060	0.001
21120	0.001
21180	0.002
21240	0.007
21300	0.005
21360	0.008

21420	0.041
21480	0.123
21540	0.037
21600	0.009
21660	0.004
21720	0.013
21780	0.01
21840	0.006
21900	0.008
21960	0.007
22020	0.007
22080	0.003
22140	0.003
22200	0.002
22260	0.018
22320	0.006
22380	0.012
22440	0.008
22500	0.002
22560	0.009
22620	0.007
22680	0.002
22740	0.008
22800	0.014
22860	0.01
22920	0.004
22980	0.002
23040	0.005
23100	0.002
23160	0.005
23220	0.002
23280	0.004
23340	0.007
23400	0.008
23460	0.002
23520	0.004
23580	0.006
23640	0.003
23700	0.002
23760	0.008
23820	0.002
23880	0.002
23940	0.003
24000	0.002
24060	0.003
24120	0.002
24180	0.002

24240	0.004
24300	0.011
24360	0.003
24420	0.002
24480	0.002
24540	0.003
24600	0.004
24660	0.003
24720	0.002
24780	0.001
24840	0.001
24900	0.001
24960	0.014
25020	0.005
25080	0.008
25140	0.009
25200	0.001
25260	0.002
25320	0.002
25380	0.005
25440	0.003
25500	0.004
25560	0.001
25620	0.003
25680	0.003
25740	0.005
25800	0.009
25860	0.003
25920	0.003
25980	0.008
26040	0.006
26100	0.004
26160	0.006
26220	0.004
26280	0.001
26340	0.001
26400	0.001
26460	0.002
26520	0.002
26580	0.002
26640	0.003

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_005
Test Start Time	9:17:18 AM
Test Start Date	4/2/2019
Test Length [D:H:M]	0:05:47
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.002
Mass Minimum [mg/m3]	-0.017
Mass Maximum [mg/m3]	0.168
Mass TWA [mg/m3]	-0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	347

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.028		
120	0.005		
180	0.026		
240	-0.007		
300	-0.007		
360	-0.007		
420	-0.009		
480	-0.009		
540	-0.008		
600	-0.004		
660	0.055		
720	0.092		
780	0.015		
840	0.113		
900	0.045		
960	0.026		
1020	0.026		
1080	0.042		
1140	0.005		
1200	0.016		
1260	0.001		
1320	-0.007		
1380	0.007		
1440	-0.003		
1500	0.001		
1560	0.009		
1620	0.003		

1680	0.019
1740	0.008
1800	0.079
1860	0.01
1920	0.168
1980	0.115
2040	0.032
2100	-0.001
2160	0.029
2220	0.049
2280	-0.011
2340	-0.01
2400	0.001
2460	0.034
2520	0.008
2580	0.004
2640	-0.005
2700	-0.004
2760	-0.002
2820	-0.003
2880	0.004
2940	0.009
3000	0.002
3060	-0.008
3120	-0.003
3180	0.017
3240	-0.011
3300	0.032
3360	0.008
3420	0.003
3480	0.001
3540	0.004
3600	0.011
3660	-0.01
3720	-0.009
3780	-0.012
3840	0.012
3900	0.017
3960	0.023
4020	0.01
4080	0.054
4140	0.135
4200	0.002
4260	0.018
4320	0.018
4380	0.057
4440	0.017

4500	0.089
4560	0.016
4620	0.08
4680	-0.002
4740	0.023
4800	-0.002
4860	-0.011
4920	-0.007
4980	-0.002
5040	-0.003
5100	0.123
5160	-0.005
5220	-0.009
5280	-0.014
5340	-0.012
5400	-0.012
5460	-0.013
5520	-0.013
5580	-0.013
5640	-0.013
5700	-0.011
5760	-0.014
5820	-0.015
5880	-0.015
5940	-0.015
6000	-0.015
6060	-0.015
6120	-0.015
6180	-0.014
6240	-0.014
6300	-0.014
6360	-0.014
6420	-0.015
6480	-0.015
6540	-0.013
6600	-0.014
6660	-0.014
6720	-0.015
6780	-0.014
6840	-0.013
6900	-0.014
6960	-0.014
7020	-0.013
7080	-0.014
7140	-0.015
7200	-0.013
7260	-0.014

7320	-0.014
7380	-0.014
7440	-0.014
7500	-0.011
7560	-0.013
7620	-0.013
7680	-0.014
7740	-0.009
7800	-0.012
7860	-0.012
7920	-0.012
7980	-0.013
8040	-0.01
8100	-0.011
8160	-0.013
8220	-0.014
8280	-0.014
8340	-0.011
8400	-0.012
8460	-0.013
8520	-0.013
8580	-0.013
8640	-0.014
8700	-0.014
8760	-0.014
8820	-0.014
8880	-0.014
8940	-0.014
9000	-0.014
9060	-0.014
9120	-0.015
9180	-0.015
9240	-0.015
9300	-0.01
9360	-0.014
9420	-0.014
9480	-0.014
9540	-0.013
9600	-0.014
9660	-0.004
9720	-0.014
9780	-0.013
9840	-0.014
9900	-0.014
9960	-0.012
10020	-0.014
10080	-0.015

10140	-0.014
10200	-0.013
10260	-0.013
10320	-0.014
10380	-0.014
10440	-0.013
10500	-0.015
10560	-0.011
10620	-0.015
10680	-0.015
10740	-0.015
10800	-0.014
10860	-0.015
10920	-0.015
10980	-0.015
11040	-0.015
11100	-0.015
11160	-0.013
11220	-0.015
11280	-0.015
11340	-0.014
11400	-0.015
11460	-0.016
11520	-0.015
11580	-0.015
11640	-0.016
11700	-0.016
11760	-0.016
11820	-0.016
11880	-0.017
11940	-0.017
12000	-0.016
12060	-0.017
12120	-0.017
12180	-0.016
12240	-0.016
12300	-0.016
12360	-0.016
12420	-0.016
12480	-0.016
12540	-0.017
12600	-0.015
12660	-0.009
12720	0.01
12780	0.019
12840	0.016
12900	-0.012

12960	0.053
13020	0.007
13080	-0.015
13140	-0.015
13200	-0.015
13260	-0.015
13320	-0.016
13380	-0.016
13440	-0.015
13500	-0.015
13560	-0.012
13620	0.021
13680	-0.005
13740	-0.006
13800	-0.009
13860	0.005
13920	0.01
13980	0.009
14040	0.048
14100	-0.001
14160	-0.007
14220	-0.012
14280	-0.007
14340	-0.005
14400	0.001
14460	0.009
14520	0.008
14580	0.003
14640	-0.011
14700	0
14760	-0.005
14820	0.003
14880	0
14940	0.047
15000	-0.008
15060	-0.01
15120	0
15180	0.01
15240	-0.015
15300	-0.015
15360	-0.015
15420	-0.014
15480	-0.014
15540	0.019
15600	-0.015
15660	-0.016
15720	-0.015

15780	-0.014
15840	-0.014
15900	-0.016
15960	-0.008
16020	-0.002
16080	-0.007
16140	-0.006
16200	-0.012
16260	0
16320	0.01
16380	-0.007
16440	-0.011
16500	-0.01
16560	-0.004
16620	-0.009
16680	0.003
16740	-0.005
16800	-0.007
16860	-0.006
16920	0.02
16980	0.034
17040	0
17100	0.007
17160	0.012
17220	0.012
17280	0.06
17340	-0.003
17400	-0.007
17460	-0.008
17520	-0.001
17580	0
17640	0.027
17700	0
17760	-0.004
17820	-0.01
17880	-0.008
17940	-0.009
18000	-0.015
18060	-0.013
18120	-0.014
18180	-0.015
18240	-0.013
18300	-0.013
18360	-0.013
18420	-0.01
18480	-0.012
18540	-0.014

18600	-0.013
18660	-0.009
18720	-0.014
18780	-0.015
18840	-0.014
18900	-0.014
18960	-0.015
19020	-0.016
19080	-0.016
19140	-0.013
19200	-0.011
19260	-0.013
19320	-0.015
19380	-0.015
19440	-0.015
19500	-0.014
19560	-0.014
19620	-0.014
19680	-0.014
19740	-0.015
19800	-0.015
19860	0
19920	-0.014
19980	-0.015
20040	-0.013
20100	-0.012
20160	-0.014
20220	-0.014
20280	-0.014
20340	-0.015
20400	-0.015
20460	-0.014
20520	-0.014
20580	-0.013
20640	-0.015
20700	-0.015
20760	-0.014
20820	-0.014

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_006
Test Start Time	4:06:08 PM
Test Start Date	4/4/2019
Test Length [D:H:M]	0:04:49
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.001
Mass Minimum [mg/m3]	-0.004
Mass Maximum [mg/m3]	0.196
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	289

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.017		
120	0.006		
180	0		
240	0		
300	0		
360	-0.001		
420	0.012		
480	0.196		
540	0.001		
600	-0.002		
660	0		
720	-0.001		
780	-0.001		
840	0		
900	0		
960	-0.002		
1020	-0.002		
1080	-0.002		
1140	-0.002		
1200	-0.003		
1260	0		
1320	-0.001		
1380	-0.003		
1440	-0.003		
1500	-0.003		
1560	-0.002		
1620	-0.003		

1680	-0.001
1740	-0.003
1800	-0.004
1860	-0.003
1920	0
1980	0
2040	-0.001
2100	-0.002
2160	0.009
2220	0.016
2280	0.006
2340	-0.002
2400	-0.003
2460	-0.002
2520	-0.003
2580	-0.001
2640	-0.001
2700	-0.001
2760	-0.001
2820	-0.002
2880	-0.001
2940	-0.002
3000	-0.003
3060	-0.003
3120	-0.002
3180	0
3240	-0.003
3300	-0.003
3360	-0.002
3420	-0.002
3480	-0.003
3540	-0.003
3600	-0.002
3660	-0.001
3720	-0.002
3780	0.001
3840	-0.001
3900	0.014
3960	-0.002
4020	-0.003
4080	-0.002
4140	-0.002
4200	-0.003
4260	-0.002
4320	0.001
4380	0
4440	-0.003

4500	-0.002
4560	-0.003
4620	-0.001
4680	-0.002
4740	-0.003
4800	-0.003
4860	-0.002
4920	-0.002
4980	-0.002
5040	-0.003
5100	-0.003
5160	0
5220	-0.002
5280	-0.003
5340	-0.003
5400	-0.002
5460	0
5520	-0.003
5580	0.035
5640	0.06
5700	0.005
5760	0
5820	-0.003
5880	-0.002
5940	0.001
6000	0
6060	-0.003
6120	-0.003
6180	-0.003
6240	-0.003
6300	0.02
6360	0
6420	-0.001
6480	0
6540	0.031
6600	0.031
6660	0.005
6720	0.019
6780	0.003
6840	0.011
6900	0.006
6960	-0.001
7020	-0.002
7080	0.002
7140	0.016
7200	0.026
7260	0.009

7320	-0.003
7380	-0.002
7440	-0.003
7500	-0.003
7560	-0.002
7620	-0.002
7680	-0.003
7740	-0.003
7800	-0.003
7860	-0.003
7920	-0.003
7980	-0.003
8040	-0.003
8100	-0.002
8160	-0.002
8220	-0.002
8280	-0.002
8340	0.038
8400	0.002
8460	-0.002
8520	-0.002
8580	-0.002
8640	-0.002
8700	-0.002
8760	-0.001
8820	-0.002
8880	-0.002
8940	-0.003
9000	-0.003
9060	-0.003
9120	-0.003
9180	0
9240	-0.003
9300	-0.003
9360	-0.003
9420	-0.003
9480	-0.003
9540	0.007
9600	0.026
9660	0.005
9720	0.008
9780	0.004
9840	0.017
9900	0.028
9960	0.01
10020	-0.001
10080	0

10140	0.001
10200	0.019
10260	0.011
10320	-0.002
10380	-0.003
10440	-0.003
10500	-0.003
10560	-0.003
10620	-0.003
10680	-0.003
10740	-0.002
10800	-0.003
10860	-0.003
10920	-0.002
10980	-0.002
11040	-0.002
11100	-0.003
11160	-0.003
11220	-0.001
11280	0.01
11340	0
11400	-0.001
11460	-0.002
11520	-0.002
11580	-0.002
11640	-0.002
11700	-0.002
11760	0.009
11820	-0.002
11880	-0.002
11940	-0.001
12000	-0.001
12060	-0.001
12120	-0.002
12180	-0.002
12240	-0.002
12300	-0.002
12360	0
12420	-0.001
12480	-0.002
12540	-0.002
12600	-0.002
12660	-0.002
12720	-0.002
12780	-0.002
12840	-0.002
12900	-0.002

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

15780	0
15840	0
15900	-0.001
15960	0
16020	0
16080	0
16140	-0.001
16200	-0.001
16260	-0.001
16320	-0.001
16380	-0.001
16440	0
16500	0
16560	0
16620	0
16680	0.001
16740	0.004
16800	0.002
16860	0.002
16920	0
16980	0
17040	0
17100	0
17160	0
17220	0
17280	0
17340	-0.001

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_007
Test Start Time	8:52:37 AM
Test Start Date	4/5/2019
Test Length [D:H:M]	0:05:19
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.007
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	319

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.007		
120	0.003		
180	0.002		
240	0.001		
300	0		
360	0		
420	0		
480	0		
540	0		
600	0		
660	0		
720	0		
780	0		
840	0		
900	0		
960	0		
1020	0		
1080	0		
1140	0		
1200	0		
1260	0		
1320	0		
1380	0		
1440	0		
1500	0		
1560	0		
1620	0		

1680	0
1740	0
1800	0
1860	0
1920	0
1980	0
2040	0
2100	0
2160	0
2220	0
2280	0
2340	0
2400	0
2460	0
2520	0
2580	0
2640	0
2700	0
2760	0
2820	0
2880	0
2940	0
3000	0
3060	0
3120	0
3180	0
3240	0
3300	0
3360	0
3420	0
3480	0
3540	0
3600	0
3660	0
3720	0
3780	0
3840	0
3900	0
3960	0
4020	0
4080	0
4140	0
4200	0
4260	0
4320	0
4380	0
4440	0

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

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

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

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

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

18600	0
18660	0
18720	0
18780	0
18840	0
18900	0
18960	0
19020	0
19080	0
19140	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_008
Test Start Time	8:41:52 AM
Test Start Date	4/8/2019
Test Length [D:H:M]	0:06:27
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.037
Mass Minimum [mg/m3]	-0.064
Mass Maximum [mg/m3]	0.025
Mass TWA [mg/m3]	-0.03
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	387

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0		
120	-0.001		
180	0		
240	-0.002		
300	-0.002		
360	-0.002		
420	-0.003		
480	-0.003		
540	0		
600	0		
660	0		
720	0		
780	-0.002		
840	-0.003		
900	-0.001		
960	-0.001		
1020	-0.003		
1080	-0.003		
1140	-0.007		
1200	0.001		
1260	0.025		
1320	0.013		
1380	-0.015		
1440	-0.02		
1500	-0.021		
1560	-0.017		
1620	-0.015		

1680	-0.014
1740	-0.015
1800	-0.016
1860	-0.013
1920	-0.013
1980	-0.017
2040	-0.019
2100	-0.023
2160	-0.023
2220	-0.024
2280	-0.025
2340	-0.023
2400	-0.022
2460	-0.024
2520	-0.025
2580	-0.024
2640	-0.016
2700	-0.023
2760	-0.013
2820	-0.024
2880	-0.027
2940	-0.028
3000	-0.027
3060	-0.026
3120	-0.026
3180	-0.026
3240	-0.027
3300	-0.028
3360	-0.029
3420	-0.028
3480	-0.026
3540	-0.027
3600	-0.027
3660	-0.027
3720	-0.028
3780	-0.028
3840	-0.029
3900	-0.029
3960	-0.029
4020	-0.028
4080	-0.028
4140	-0.027
4200	-0.027
4260	-0.023
4320	-0.024
4380	0
4440	-0.021

4500	-0.026
4560	-0.027
4620	-0.026
4680	-0.025
4740	-0.025
4800	-0.027
4860	-0.024
4920	-0.025
4980	-0.026
5040	-0.027
5100	-0.027
5160	-0.025
5220	-0.025
5280	-0.025
5340	-0.022
5400	-0.021
5460	-0.018
5520	-0.019
5580	-0.016
5640	-0.02
5700	-0.02
5760	-0.022
5820	-0.025
5880	-0.026
5940	-0.025
6000	-0.021
6060	-0.026
6120	-0.024
6180	-0.024
6240	-0.025
6300	-0.025
6360	-0.028
6420	-0.029
6480	-0.029
6540	-0.025
6600	-0.028
6660	-0.032
6720	-0.033
6780	-0.033
6840	-0.032
6900	-0.028
6960	-0.028
7020	-0.032
7080	-0.034
7140	-0.031
7200	-0.034
7260	-0.036

7320	-0.034
7380	-0.031
7440	-0.034
7500	-0.031
7560	-0.028
7620	-0.026
7680	-0.028
7740	-0.033
7800	-0.029
7860	-0.025
7920	-0.026
7980	-0.027
8040	-0.029
8100	-0.026
8160	-0.028
8220	-0.031
8280	-0.033
8340	-0.036
8400	-0.038
8460	-0.033
8520	-0.035
8580	-0.035
8640	-0.036
8700	-0.037
8760	-0.038
8820	-0.04
8880	-0.042
8940	-0.04
9000	-0.04
9060	-0.04
9120	-0.043
9180	-0.043
9240	-0.036
9300	-0.039
9360	-0.042
9420	-0.041
9480	-0.042
9540	-0.042
9600	-0.042
9660	-0.043
9720	-0.043
9780	-0.043
9840	-0.043
9900	-0.045
9960	-0.044
10020	-0.045
10080	-0.044

10140	-0.045
10200	-0.045
10260	-0.044
10320	-0.04
10380	-0.04
10440	-0.042
10500	-0.037
10560	-0.03
10620	-0.031
10680	-0.035
10740	-0.039
10800	-0.038
10860	-0.033
10920	-0.035
10980	-0.03
11040	-0.029
11100	-0.03
11160	-0.032
11220	-0.033
11280	-0.03
11340	-0.035
11400	-0.032
11460	-0.03
11520	-0.025
11580	-0.021
11640	-0.023
11700	-0.027
11760	-0.027
11820	-0.023
11880	-0.022
11940	-0.028
12000	-0.03
12060	-0.031
12120	-0.035
12180	-0.037
12240	-0.037
12300	-0.037
12360	-0.04
12420	-0.041
12480	-0.042
12540	-0.041
12600	-0.042
12660	-0.044
12720	-0.044
12780	-0.038
12840	-0.038
12900	-0.037

12960	-0.037
13020	-0.037
13080	-0.038
13140	-0.036
13200	-0.039
13260	-0.039
13320	-0.039
13380	-0.043
13440	-0.044
13500	-0.045
13560	-0.041
13620	-0.038
13680	-0.043
13740	-0.041
13800	-0.039
13860	-0.04
13920	-0.045
13980	-0.044
14040	-0.043
14100	-0.041
14160	-0.039
14220	-0.035
14280	-0.038
14340	-0.039
14400	-0.034
14460	-0.031
14520	-0.03
14580	-0.031
14640	-0.032
14700	-0.031
14760	-0.031
14820	-0.032
14880	-0.035
14940	-0.035
15000	-0.037
15060	-0.037
15120	-0.036
15180	-0.033
15240	-0.035
15300	-0.036
15360	-0.037
15420	-0.035
15480	-0.035
15540	-0.038
15600	-0.038
15660	-0.038
15720	-0.039

15780	-0.041
15840	-0.04
15900	-0.039
15960	-0.038
16020	-0.039
16080	-0.044
16140	-0.042
16200	-0.041
16260	-0.042
16320	-0.053
16380	-0.04
16440	-0.042
16500	-0.044
16560	-0.041
16620	-0.043
16680	-0.045
16740	-0.044
16800	-0.045
16860	-0.045
16920	-0.043
16980	-0.047
17040	-0.047
17100	-0.048
17160	-0.049
17220	-0.051
17280	-0.051
17340	-0.051
17400	-0.053
17460	-0.054
17520	-0.053
17580	-0.054
17640	-0.056
17700	-0.057
17760	-0.058
17820	-0.055
17880	-0.056
17940	-0.057
18000	-0.056
18060	-0.057
18120	-0.057
18180	-0.056
18240	-0.054
18300	-0.055
18360	-0.056
18420	-0.057
18480	-0.054
18540	-0.052

18600	-0.053
18660	-0.057
18720	-0.058
18780	-0.058
18840	-0.057
18900	-0.057
18960	-0.057
19020	-0.058
19080	-0.059
19140	-0.06
19200	-0.059
19260	-0.056
19320	-0.058
19380	-0.058
19440	-0.057
19500	-0.057
19560	-0.059
19620	-0.059
19680	-0.06
19740	-0.058
19800	-0.058
19860	-0.06
19920	-0.059
19980	-0.059
20040	-0.059
20100	-0.058
20160	-0.059
20220	-0.058
20280	-0.061
20340	-0.062
20400	-0.055
20460	-0.06
20520	-0.055
20580	-0.057
20640	-0.058
20700	-0.06
20760	-0.061
20820	-0.062
20880	-0.064
20940	-0.06
21000	-0.06
21060	-0.059
21120	-0.06
21180	-0.06
21240	-0.06
21300	-0.062
21360	-0.062

21420	-0.061
21480	-0.062
21540	-0.061
21600	-0.059
21660	-0.062
21720	-0.062
21780	-0.059
21840	-0.029
21900	-0.032
21960	-0.051
22020	-0.057
22080	-0.06
22140	-0.058
22200	-0.058
22260	-0.061
22320	-0.062
22380	-0.062
22440	-0.044
22500	-0.054
22560	-0.057
22620	-0.056
22680	-0.06
22740	-0.056
22800	-0.061
22860	-0.046
22920	-0.042
22980	-0.06
23040	-0.06
23100	-0.059
23160	-0.062
23220	-0.061

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_009
Test Start Time	7:35:55 AM
Test Start Date	4/9/2019
Test Length [D:H:M]	0:07:31
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.045
Mass Minimum [mg/m3]	0.018
Mass Maximum [mg/m3]	0.381
Mass TWA [mg/m3]	0.042
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	451

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.036		
120	0.034		
180	0.034		
240	0.035		
300	0.034		
360	0.031		
420	0.03		
480	0.032		
540	0.03		
600	0.027		
660	0.025		
720	0.026		
780	0.029		
840	0.033		
900	0.034		
960	0.033		
1020	0.032		
1080	0.032		
1140	0.03		
1200	0.029		
1260	0.031		
1320	0.032		
1380	0.029		
1440	0.031		
1500	0.033		
1560	0.031		
1620	0.03		

1680	0.03
1740	0.03
1800	0.03
1860	0.031
1920	0.031
1980	0.033
2040	0.03
2100	0.03
2160	0.029
2220	0.032
2280	0.037
2340	0.032
2400	0.029
2460	0.027
2520	0.029
2580	0.03
2640	0.033
2700	0.032
2760	0.03
2820	0.028
2880	0.028
2940	0.027
3000	0.028
3060	0.029
3120	0.028
3180	0.028
3240	0.029
3300	0.03
3360	0.031
3420	0.031
3480	0.029
3540	0.027
3600	0.03
3660	0.029
3720	0.028
3780	0.03
3840	0.029
3900	0.03
3960	0.031
4020	0.03
4080	0.03
4140	0.032
4200	0.032
4260	0.032
4320	0.032
4380	0.032
4440	0.031

4500	0.032
4560	0.034
4620	0.035
4680	0.033
4740	0.033
4800	0.032
4860	0.032
4920	0.032
4980	0.031
5040	0.031
5100	0.031
5160	0.032
5220	0.033
5280	0.033
5340	0.036
5400	0.035
5460	0.036
5520	0.034
5580	0.03
5640	0.027
5700	0.027
5760	0.027
5820	0.03
5880	0.026
5940	0.026
6000	0.026
6060	0.025
6120	0.025
6180	0.026
6240	0.026
6300	0.027
6360	0.028
6420	0.028
6480	0.028
6540	0.028
6600	0.027
6660	0.027
6720	0.026
6780	0.026
6840	0.026
6900	0.024
6960	0.024
7020	0.025
7080	0.023
7140	0.022
7200	0.021
7260	0.019

7320	0.02
7380	0.019
7440	0.022
7500	0.021
7560	0.021
7620	0.022
7680	0.022
7740	0.022
7800	0.023
7860	0.023
7920	0.023
7980	0.023
8040	0.023
8100	0.022
8160	0.022
8220	0.022
8280	0.023
8340	0.026
8400	0.023
8460	0.022
8520	0.022
8580	0.023
8640	0.022
8700	0.021
8760	0.018
8820	0.018
8880	0.019
8940	0.018
9000	0.018
9060	0.018
9120	0.018
9180	0.018
9240	0.019
9300	0.018
9360	0.018
9420	0.018
9480	0.019
9540	0.018
9600	0.018
9660	0.019
9720	0.019
9780	0.019
9840	0.02
9900	0.02
9960	0.021
10020	0.028
10080	0.037

10140	0.028
10200	0.024
10260	0.023
10320	0.024
10380	0.024
10440	0.024
10500	0.024
10560	0.023
10620	0.023
10680	0.022
10740	0.023
10800	0.022
10860	0.024
10920	0.026
10980	0.023
11040	0.023
11100	0.025
11160	0.024
11220	0.023
11280	0.022
11340	0.023
11400	0.023
11460	0.024
11520	0.023
11580	0.024
11640	0.023
11700	0.024
11760	0.024
11820	0.026
11880	0.025
11940	0.025
12000	0.024
12060	0.024
12120	0.024
12180	0.025
12240	0.024
12300	0.024
12360	0.025
12420	0.026
12480	0.026
12540	0.025
12600	0.026
12660	0.026
12720	0.026
12780	0.026
12840	0.027
12900	0.03

12960	0.031
13020	0.029
13080	0.03
13140	0.033
13200	0.033
13260	0.029
13320	0.03
13380	0.028
13440	0.028
13500	0.04
13560	0.03
13620	0.032
13680	0.031
13740	0.031
13800	0.03
13860	0.03
13920	0.031
13980	0.034
14040	0.039
14100	0.041
14160	0.036
14220	0.032
14280	0.033
14340	0.036
14400	0.035
14460	0.034
14520	0.034
14580	0.034
14640	0.035
14700	0.044
14760	0.061
14820	0.056
14880	0.064
14940	0.081
15000	0.078
15060	0.081
15120	0.071
15180	0.06
15240	0.059
15300	0.055
15360	0.049
15420	0.048
15480	0.042
15540	0.042
15600	0.042
15660	0.04
15720	0.038

15780	0.038
15840	0.038
15900	0.038
15960	0.038
16020	0.039
16080	0.04
16140	0.04
16200	0.041
16260	0.04
16320	0.04
16380	0.041
16440	0.04
16500	0.04
16560	0.041
16620	0.039
16680	0.041
16740	0.04
16800	0.041
16860	0.041
16920	0.041
16980	0.042
17040	0.051
17100	0.068
17160	0.131
17220	0.195
17280	0.184
17340	0.197
17400	0.191
17460	0.192
17520	0.213
17580	0.205
17640	0.262
17700	0.258
17760	0.284
17820	0.233
17880	0.186
17940	0.116
18000	0.1
18060	0.12
18120	0.197
18180	0.281
18240	0.352
18300	0.381
18360	0.247
18420	0.269
18480	0.211
18540	0.089

18600	0.047
18660	0.048
18720	0.047
18780	0.042
18840	0.04
18900	0.04
18960	0.039
19020	0.042
19080	0.075
19140	0.05
19200	0.048
19260	0.098
19320	0.105
19380	0.089
19440	0.07
19500	0.048
19560	0.042
19620	0.051
19680	0.051
19740	0.047
19800	0.055
19860	0.049
19920	0.049
19980	0.05
20040	0.049
20100	0.047
20160	0.048
20220	0.044
20280	0.044
20340	0.045
20400	0.045
20460	0.045
20520	0.046
20580	0.047
20640	0.044
20700	0.045
20760	0.043
20820	0.05
20880	0.057
20940	0.052
21000	0.05
21060	0.049
21120	0.057
21180	0.056
21240	0.072
21300	0.081
21360	0.073

21420	0.067
21480	0.065
21540	0.065
21600	0.059
21660	0.074
21720	0.085
21780	0.089
21840	0.087
21900	0.089
21960	0.071
22020	0.058
22080	0.055
22140	0.058
22200	0.053
22260	0.053
22320	0.053
22380	0.051
22440	0.05
22500	0.049
22560	0.049
22620	0.051
22680	0.05
22740	0.05
22800	0.051
22860	0.051
22920	0.057
22980	0.054
23040	0.054
23100	0.051
23160	0.05
23220	0.05
23280	0.052
23340	0.053
23400	0.052
23460	0.051
23520	0.049
23580	0.049
23640	0.048
23700	0.05
23760	0.05
23820	0.048
23880	0.048
23940	0.049
24000	0.047
24060	0.046
24120	0.045
24180	0.045

24240	0.043
24300	0.043
24360	0.041
24420	0.041
24480	0.038
24540	0.038
24600	0.038
24660	0.035
24720	0.034
24780	0.035
24840	0.035
24900	0.034
24960	0.032
25020	0.032
25080	0.032
25140	0.035
25200	0.034
25260	0.033
25320	0.032
25380	0.032
25440	0.031
25500	0.031
25560	0.032
25620	0.029
25680	0.028
25740	0.028
25800	0.028
25860	0.028
25920	0.027
25980	0.027
26040	0.027
26100	0.032
26160	0.027
26220	0.027
26280	0.026
26340	0.026
26400	0.026
26460	0.024
26520	0.024
26580	0.023
26640	0.023
26700	0.023
26760	0.022
26820	0.022
26880	0.023
26940	0.023
27000	0.022

27060	0.022

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_010
Test Start Time	8:40:44 AM
Test Start Date	4/10/2019
Test Length [D:H:M]	0:06:04
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.002
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.014
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	364

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.014		
120	0.005		
180	0.004		
240	0.006		
300	0.007		
360	0.009		
420	0.004		
480	0.005		
540	0.004		
600	0.004		
660	0.004		
720	0.005		
780	0.011		
840	0.008		
900	0.005		
960	0.005		
1020	0.005		
1080	0.003		
1140	0.006		
1200	0.004		
1260	0.004		
1320	0.007		
1380	0.003		
1440	0.004		
1500	0.004		
1560	0.004		
1620	0.002		

1680	0.003
1740	0.003
1800	0.007
1860	0.005
1920	0.005
1980	0.002
2040	0.002
2100	0.003
2160	0.005
2220	0.006
2280	0.005
2340	0.007
2400	0.002
2460	0.002
2520	0.003
2580	0.004
2640	0.003
2700	0.001
2760	0.001
2820	0.001
2880	0.002
2940	0.003
3000	0.001
3060	0.002
3120	0.002
3180	0.002
3240	0.003
3300	0.001
3360	0.002
3420	0.004
3480	0.002
3540	0
3600	0
3660	0
3720	0
3780	0
3840	0
3900	0
3960	0.001
4020	0.001
4080	0.001
4140	0.002
4200	0.003
4260	0
4320	0
4380	0
4440	0.007

4500	0.002
4560	0.006
4620	0.008
4680	0
4740	0
4800	0
4860	0.001
4920	0.005
4980	0.004
5040	0.001
5100	0.007
5160	0.003
5220	0.001
5280	0.001
5340	0.002
5400	0.008
5460	0.001
5520	0.001
5580	0.003
5640	0
5700	0
5760	0.001
5820	0.004
5880	0.001
5940	0
6000	0
6060	0
6120	0.001
6180	0.001
6240	0
6300	0
6360	0
6420	0.001
6480	0
6540	0.001
6600	0.001
6660	0.001
6720	0.001
6780	0.001
6840	0.001
6900	0.001
6960	0.001
7020	0
7080	0.001
7140	0.001
7200	0.001
7260	0.001

7320	0.001
7380	0.001
7440	0.005
7500	0.003
7560	0.003
7620	0.003
7680	0.002
7740	0.001
7800	0.003
7860	0.003
7920	0.001
7980	0.003
8040	0.008
8100	0.004
8160	0.005
8220	0.004
8280	0.003
8340	0.008
8400	0.005
8460	0.014
8520	0.003
8580	0.001
8640	0.001
8700	0.006
8760	0.003
8820	0.007
8880	0.007
8940	0.006
9000	0.003
9060	0.012
9120	0.003
9180	0.008
9240	0.011
9300	0.003
9360	0.003
9420	0.006
9480	0.003
9540	0.006
9600	0.002
9660	0.011
9720	0.003
9780	0.001
9840	0
9900	0.001
9960	0
10020	0.001
10080	0.005

10140	0.009
10200	0.005
10260	0.006
10320	0.009
10380	0.01
10440	0.006
10500	0.005
10560	0.003
10620	0.001
10680	0.003
10740	0.004
10800	0.005
10860	0.001
10920	0.001
10980	0.002
11040	0.011
11100	0.001
11160	0.002
11220	0.005
11280	0.004
11340	0.004
11400	0.006
11460	0.01
11520	0.003
11580	0.002
11640	0.005
11700	0.003
11760	0.006
11820	0.004
11880	0.002
11940	0.001
12000	0
12060	0
12120	0
12180	0
12240	0
12300	0
12360	0.001
12420	0
12480	0.01
12540	0.005
12600	0.002
12660	0.001
12720	0
12780	0
12840	0
12900	0

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

15780	0.003
15840	0.001
15900	0
15960	0.002
16020	0.001
16080	0.002
16140	0.005
16200	0.003
16260	0.006
16320	0.01
16380	0.006
16440	0.005
16500	0.009
16560	0.002
16620	0.001
16680	0.005
16740	0.001
16800	0.001
16860	0.001
16920	0.001
16980	0.007
17040	0.008
17100	0.001
17160	0.001
17220	0.006
17280	0.004
17340	0.003
17400	0.002
17460	0.001
17520	0
17580	0.002
17640	0.004
17700	0.004
17760	0.006
17820	0
17880	0
17940	0
18000	0.002
18060	0
18120	0.004
18180	0
18240	0
18300	0
18360	0
18420	0.001
18480	0.003
18540	0

18600	0.004
18660	0.008
18720	0
18780	0
18840	0
18900	0.001
18960	0.004
19020	0.001
19080	0
19140	0
19200	0
19260	0
19320	0
19380	0
19440	0.001
19500	0
19560	0.001
19620	0.002
19680	0.006
19740	0.006
19800	0
19860	0
19920	0.001
19980	0.001
20040	0
20100	0.001
20160	0
20220	0
20280	0.002
20340	0.001
20400	0.006
20460	0.005
20520	0
20580	0.001
20640	0
20700	0
20760	0.001
20820	0
20880	0
20940	0.001
21000	0
21060	0
21120	0
21180	0
21240	0.004
21300	0.001
21360	0

21420	0.003
21480	0
21540	0
21600	0
21660	0
21720	0
21780	0
21840	0.009

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_011
Test Start Time	7:37:06 AM
Test Start Date	4/11/2019
Test Length [D:H:M]	0:07:33
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.027
Mass TWA [mg/m3]	0.006
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	453

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.009		
120	0.01		
180	0.008		
240	0.006		
300	0.006		
360	0.008		
420	0.007		
480	0.007		
540	0.007		
600	0.009		
660	0.007		
720	0.007		
780	0.006		
840	0.006		
900	0.007		
960	0.007		
1020	0.006		
1080	0.006		
1140	0.006		
1200	0.008		
1260	0.008		
1320	0.006		
1380	0.005		
1440	0.006		
1500	0.005		
1560	0.007		
1620	0.006		

1680	0.006
1740	0.005
1800	0.007
1860	0.007
1920	0.007
1980	0.01
2040	0.008
2100	0.008
2160	0.007
2220	0.005
2280	0.005
2340	0.006
2400	0.006
2460	0.007
2520	0.006
2580	0.006
2640	0.006
2700	0.006
2760	0.008
2820	0.009
2880	0.007
2940	0.007
3000	0.006
3060	0.008
3120	0.007
3180	0.007
3240	0.007
3300	0.008
3360	0.007
3420	0.006
3480	0.006
3540	0.006
3600	0.006
3660	0.008
3720	0.007
3780	0.006
3840	0.007
3900	0.007
3960	0.007
4020	0.006
4080	0.007
4140	0.007
4200	0.007
4260	0.008
4320	0.008
4380	0.019
4440	0.008

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

7320	0.008
7380	0.009
7440	0.008
7500	0.007
7560	0.006
7620	0.006
7680	0.006
7740	0.006
7800	0.006
7860	0.006
7920	0.006
7980	0.008
8040	0.008
8100	0.007
8160	0.006
8220	0.006
8280	0.007
8340	0.006
8400	0.005
8460	0.006
8520	0.006
8580	0.006
8640	0.007
8700	0.007
8760	0.006
8820	0.006
8880	0.006
8940	0.006
9000	0.006
9060	0.005
9120	0.005
9180	0.005
9240	0.006
9300	0.006
9360	0.006
9420	0.005
9480	0.007
9540	0.015
9600	0.013
9660	0.007
9720	0.005
9780	0.005
9840	0.008
9900	0.007
9960	0.006
10020	0.006
10080	0.006

10140	0.005
10200	0.005
10260	0.005
10320	0.005
10380	0.005
10440	0.005
10500	0.006
10560	0.007
10620	0.005
10680	0.005
10740	0.005
10800	0.011
10860	0.016
10920	0.013
10980	0.008
11040	0.007
11100	0.007
11160	0.01
11220	0.011
11280	0.009
11340	0.011
11400	0.008
11460	0.005
11520	0.007
11580	0.007
11640	0.007
11700	0.006
11760	0.005
11820	0.005
11880	0.006
11940	0.006
12000	0.006
12060	0.006
12120	0.027
12180	0.018
12240	0.011
12300	0.007
12360	0.01
12420	0.009
12480	0.007
12540	0.006
12600	0.005
12660	0.006
12720	0.005
12780	0.005
12840	0.006
12900	0.008

12960	0.008
13020	0.009
13080	0.005
13140	0.008
13200	0.008
13260	0.006
13320	0.006
13380	0.005
13440	0.004
13500	0.005
13560	0.005
13620	0.004
13680	0.004
13740	0.004
13800	0.004
13860	0.004
13920	0.005
13980	0.004
14040	0.004
14100	0.004
14160	0.004
14220	0.004
14280	0.005
14340	0.004
14400	0.004
14460	0.004
14520	0.005
14580	0.005
14640	0.004
14700	0.004
14760	0.004
14820	0.004
14880	0.005
14940	0.006
15000	0.004
15060	0.004
15120	0.004
15180	0.003
15240	0.004
15300	0.003
15360	0.004
15420	0.003
15480	0.003
15540	0.004
15600	0.004
15660	0.004
15720	0.004

15780	0.004
15840	0.004
15900	0.004
15960	0.004
16020	0.004
16080	0.006
16140	0.005
16200	0.004
16260	0.004
16320	0.005
16380	0.006
16440	0.005
16500	0.005
16560	0.006
16620	0.005
16680	0.004
16740	0.005
16800	0.004
16860	0.004
16920	0.012
16980	0.008
17040	0.007
17100	0.005
17160	0.004
17220	0.004
17280	0.004
17340	0.003
17400	0.005
17460	0.003
17520	0.005
17580	0.004
17640	0.003
17700	0.003
17760	0.004
17820	0.005
17880	0.004
17940	0.004
18000	0.004
18060	0.004
18120	0.004
18180	0.005
18240	0.004
18300	0.004
18360	0.004
18420	0.004
18480	0.003
18540	0.004

18600	0.004
18660	0.004
18720	0.004
18780	0.004
18840	0.005
18900	0.004
18960	0.004
19020	0.004
19080	0.012
19140	0.004
19200	0.004
19260	0.004
19320	0.004
19380	0.005
19440	0.005
19500	0.005
19560	0.005
19620	0.006
19680	0.006
19740	0.011
19800	0.004
19860	0.004
19920	0.003
19980	0.003
20040	0.004
20100	0.005
20160	0.006
20220	0.01
20280	0.005
20340	0.004
20400	0.004
20460	0.005
20520	0.004
20580	0.003
20640	0.004
20700	0.007
20760	0.007
20820	0.005
20880	0.004
20940	0.004
21000	0.004
21060	0.005
21120	0.004
21180	0.004
21240	0.004
21300	0.004
21360	0.004

21420	0.003
21480	0.003
21540	0.003
21600	0.004
21660	0.005
21720	0.007
21780	0.004
21840	0.003
21900	0.005
21960	0.005
22020	0.004
22080	0.004
22140	0.005
22200	0.006
22260	0.011
22320	0.006
22380	0.008
22440	0.005
22500	0.006
22560	0.007
22620	0.005
22680	0.005
22740	0.005
22800	0.006
22860	0.006
22920	0.006
22980	0.005
23040	0.005
23100	0.006
23160	0.007
23220	0.008
23280	0.006
23340	0.004
23400	0.004
23460	0.004
23520	0.005
23580	0.005
23640	0.005
23700	0.006
23760	0.006
23820	0.005
23880	0.006
23940	0.009
24000	0.008
24060	0.004
24120	0.004
24180	0.009

24240	0.011
24300	0.006
24360	0.006
24420	0.004
24480	0.004
24540	0.004
24600	0.005
24660	0.004
24720	0.003
24780	0.004
24840	0.005
24900	0.004
24960	0.003
25020	0.003
25080	0.003
25140	0.004
25200	0.004
25260	0.004
25320	0.004
25380	0.004
25440	0.004
25500	0.007
25560	0.004
25620	0.005
25680	0.014
25740	0.007
25800	0.007
25860	0.004
25920	0.005
25980	0.004
26040	0.006
26100	0.006
26160	0.011
26220	0.004
26280	0.004
26340	0.004
26400	0.003
26460	0.003
26520	0.003
26580	0.003
26640	0.003
26700	0.004
26760	0.003
26820	0.003
26880	0.004
26940	0.003
27000	0.003

27060	0.005
27120	0.005
27180	0.003

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_012
Test Start Time	8:48:47 AM
Test Start Date	4/12/2019
Test Length [D:H:M]	0:02:52
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.02
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.175
Mass TWA [mg/m3]	0.007
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	172

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.006		
120	0.005		
180	0.005		
240	0.005		
300	0.005		
360	0.019		
420	0.01		
480	0.007		
540	0.016		
600	0.013		
660	0.007		
720	0.007		
780	0.013		
840	0.015		
900	0.007		
960	0.007		
1020	0.01		
1080	0.012		
1140	0.011		
1200	0.011		
1260	0.015		
1320	0.052		
1380	0.02		
1440	0.011		
1500	0.009		
1560	0.014		
1620	0.021		

1680	0.069
1740	0.054
1800	0.032
1860	0.046
1920	0.122
1980	0.019
2040	0.075
2100	0.03
2160	0.012
2220	0.01
2280	0.012
2340	0.01
2400	0.009
2460	0.009
2520	0.008
2580	0.022
2640	0.009
2700	0.008
2760	0.007
2820	0.008
2880	0.059
2940	0.008
3000	0.036
3060	0.008
3120	0.009
3180	0.011
3240	0.009
3300	0.008
3360	0.008
3420	0.008
3480	0.008
3540	0.009
3600	0.009
3660	0.009
3720	0.009
3780	0.009
3840	0.009
3900	0.009
3960	0.009
4020	0.009
4080	0.009
4140	0.009
4200	0.019
4260	0.02
4320	0.021
4380	0.013
4440	0.01

4500	0.014
4560	0.01
4620	0.01
4680	0.01
4740	0.01
4800	0.011
4860	0.011
4920	0.043
4980	0.029
5040	0.019
5100	0.01
5160	0.009
5220	0.012
5280	0.033
5340	0.014
5400	0.011
5460	0.01
5520	0.011
5580	0.014
5640	0.024
5700	0.016
5760	0.012
5820	0.011
5880	0.011
5940	0.011
6000	0.012
6060	0.011
6120	0.01
6180	0.016
6240	0.011
6300	0.011
6360	0.035
6420	0.013
6480	0.026
6540	0.059
6600	0.015
6660	0.012
6720	0.015
6780	0.013
6840	0.014
6900	0.014
6960	0.022
7020	0.016
7080	0.012
7140	0.011
7200	0.014
7260	0.014

7320	0.015
7380	0.022
7440	0.02
7500	0.017
7560	0.028
7620	0.016
7680	0.013
7740	0.013
7800	0.012
7860	0.013
7920	0.012
7980	0.015
8040	0.012
8100	0.013
8160	0.014
8220	0.014
8280	0.016
8340	0.016
8400	0.08
8460	0.018
8520	0.015
8580	0.015
8640	0.013
8700	0.015
8760	0.013
8820	0.014
8880	0.012
8940	0.096
9000	0.054
9060	0.021
9120	0.016
9180	0.175
9240	0.166
9300	0.049
9360	0.034
9420	0.019
9480	0.019
9540	0.014
9600	0.014
9660	0.02
9720	0.026
9780	0.017
9840	0.019
9900	0.019
9960	0.018
10020	0.017
10080	0.015

10140	0.016
10200	0.017
10260	0.016
10320	0.017

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_013
Test Start Time	8:24:56 AM
Test Start Date	4/15/2019
Test Length [D:H:M]	0:05:58
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.011
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.049
Mass TWA [mg/m3]	0.008
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	358

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.013		
120	0.011		
180	0.022		
240	0.03		
300	0.018		
360	0.014		
420	0.016		
480	0.019		
540	0.019		
600	0.013		
660	0.028		
720	0.015		
780	0.012		
840	0.009		
900	0.009		
960	0.016		
1020	0.013		
1080	0.011		
1140	0.011		
1200	0.01		
1260	0.014		
1320	0.017		
1380	0.03		
1440	0.029		
1500	0.021		
1560	0.016		
1620	0.014		

1680	0.015
1740	0.022
1800	0.023
1860	0.019
1920	0.022
1980	0.024
2040	0.032
2100	0.043
2160	0.032
2220	0.024
2280	0.02
2340	0.018
2400	0.017
2460	0.015
2520	0.014
2580	0.012
2640	0.011
2700	0.012
2760	0.011
2820	0.013
2880	0.015
2940	0.015
3000	0.017
3060	0.022
3120	0.018
3180	0.016
3240	0.018
3300	0.017
3360	0.017
3420	0.017
3480	0.018
3540	0.017
3600	0.015
3660	0.014
3720	0.014
3780	0.014
3840	0.014
3900	0.015
3960	0.014
4020	0.015
4080	0.015
4140	0.016
4200	0.016
4260	0.018
4320	0.016
4380	0.018
4440	0.019

4500	0.019
4560	0.021
4620	0.02
4680	0.02
4740	0.02
4800	0.027
4860	0.023
4920	0.03
4980	0.049
5040	0.036
5100	0.028
5160	0.024
5220	0.026
5280	0.024
5340	0.023
5400	0.025
5460	0.028
5520	0.031
5580	0.026
5640	0.025
5700	0.028
5760	0.03
5820	0.031
5880	0.029
5940	0.026
6000	0.025
6060	0.025
6120	0.025
6180	0.024
6240	0.025
6300	0.025
6360	0.028
6420	0.026
6480	0.025
6540	0.026
6600	0.027
6660	0.028
6720	0.026
6780	0.023
6840	0.025
6900	0.024
6960	0.022
7020	0.025
7080	0.024
7140	0.023
7200	0.017
7260	0.017

7320	0.019
7380	0.018
7440	0.021
7500	0.021
7560	0.018
7620	0.018
7680	0.018
7740	0.018
7800	0.016
7860	0.015
7920	0.014
7980	0.015
8040	0.016
8100	0.015
8160	0.014
8220	0.025
8280	0.022
8340	0.017
8400	0.016
8460	0.017
8520	0.017
8580	0.018
8640	0.016
8700	0.015
8760	0.021
8820	0.022
8880	0.036
8940	0.029
9000	0.019
9060	0.017
9120	0.016
9180	0.019
9240	0.02
9300	0.018
9360	0.017
9420	0.015
9480	0.015
9540	0.015
9600	0.016
9660	0.016
9720	0.018
9780	0.016
9840	0.007
9900	0.006
9960	0.005
10020	0.005
10080	0.006

10140	0.007
10200	0.007
10260	0.008
10320	0.006
10380	0.007
10440	0.006
10500	0.005
10560	0.006
10620	0.002
10680	0.004
10740	0.003
10800	0.001
10860	0.001
10920	0.002
10980	0.002
11040	0.002
11100	0.001
11160	0.001
11220	0.002
11280	0.002
11340	0.002
11400	0.006
11460	0.009
11520	0.003
11580	0.002
11640	0.003
11700	0.003
11760	0.009
11820	0.002
11880	0.002
11940	0.002
12000	0.002
12060	0.002
12120	0.002
12180	0.003
12240	0.003
12300	0.004
12360	0.002
12420	0.002
12480	0.002
12540	0.002
12600	0.002
12660	0.003
12720	0.004
12780	0.003
12840	0.002
12900	0.002

12960	0.004
13020	0.004
13080	0.004
13140	0.004
13200	0.006
13260	0.005
13320	0.005
13380	0.003
13440	0.003
13500	0.003
13560	0.003
13620	0.003
13680	0.003
13740	0.002
13800	0.002
13860	0.002
13920	0.002
13980	0.002
14040	0.002
14100	0.002
14160	0.002
14220	0.002
14280	0.002
14340	0.002
14400	0.002
14460	0.002
14520	0.002
14580	0.002
14640	0.002
14700	0.002
14760	0.002
14820	0.002
14880	0.002
14940	0.003
15000	0.015
15060	0.006
15120	0.006
15180	0.004
15240	0.004
15300	0.004
15360	0.004
15420	0.007
15480	0.003
15540	0.009
15600	0.004
15660	0.004
15720	0.004

15780	0.004
15840	0.003
15900	0.004
15960	0.003
16020	0.003
16080	0.005
16140	0.004
16200	0.006
16260	0.004
16320	0.003
16380	0.004
16440	0.004
16500	0.004
16560	0.003
16620	0.003
16680	0.003
16740	0.003
16800	0.003
16860	0.003
16920	0.004
16980	0.005
17040	0.004
17100	0.006
17160	0.003
17220	0.003
17280	0.003
17340	0.003
17400	0.003
17460	0.003
17520	0.003
17580	0.003
17640	0.003
17700	0.003
17760	0.003
17820	0.003
17880	0.003
17940	0.003
18000	0.004
18060	0.003
18120	0.003
18180	0.002
18240	0.002
18300	0.002
18360	0.003
18420	0.003
18480	0.003
18540	0.004

18600	0.003
18660	0.006
18720	0.004
18780	0.004
18840	0.005
18900	0.005
18960	0.006
19020	0.005
19080	0.004
19140	0.004
19200	0.004
19260	0.004
19320	0.005
19380	0.006
19440	0.004
19500	0.003
19560	0.004
19620	0.005
19680	0.004
19740	0.004
19800	0.004
19860	0.003
19920	0.004
19980	0.003
20040	0.004
20100	0.004
20160	0.003
20220	0.002
20280	0.003
20340	0.003
20400	0.002
20460	0.003
20520	0.003
20580	0.004
20640	0.004
20700	0.003
20760	0.004
20820	0.004
20880	0.006
20940	0.005
21000	0.003
21060	0.003
21120	0.006
21180	0.005
21240	0.003
21300	0.004
21360	0.006

21420	0.004
21480	0.006

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_014
Test Start Time	7:49:18 AM
Test Start Date	4/16/2019
Test Length [D:H:M]	0:06:36
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.09
Mass TWA [mg/m3]	0.004
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	396

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.03		
120	0.005		
180	0.003		
240	0.004		
300	0.004		
360	0.003		
420	0.003		
480	0.005		
540	0.006		
600	0.003		
660	0.003		
720	0.007		
780	0.003		
840	0.005		
900	0.004		
960	0.003		
1020	0.003		
1080	0.003		
1140	0.006		
1200	0.003		
1260	0.003		
1320	0.003		
1380	0.003		
1440	0.003		
1500	0.003		
1560	0.003		
1620	0.003		

1680	0.003
1740	0.003
1800	0.003
1860	0.003
1920	0.005
1980	0.003
2040	0.003
2100	0.003
2160	0.006
2220	0.005
2280	0.007
2340	0.007
2400	0.009
2460	0.003
2520	0.005
2580	0.004
2640	0.003
2700	0.003
2760	0.003
2820	0.003
2880	0.003
2940	0.003
3000	0.002
3060	0.002
3120	0.004
3180	0.004
3240	0.003
3300	0.004
3360	0.006
3420	0.002
3480	0.003
3540	0.002
3600	0.002
3660	0.003
3720	0.002
3780	0.005
3840	0.005
3900	0.002
3960	0.002
4020	0.002
4080	0.002
4140	0.004
4200	0.002
4260	0.002
4320	0.002
4380	0.004
4440	0.008

4500	0.007
4560	0.005
4620	0.005
4680	0.007
4740	0.022
4800	0.01
4860	0.009
4920	0.004
4980	0.005
5040	0.002
5100	0.003
5160	0.004
5220	0.002
5280	0.002
5340	0.001
5400	0.004
5460	0.003
5520	0.001
5580	0.001
5640	0.002
5700	0.002
5760	0.002
5820	0.003
5880	0.002
5940	0.003
6000	0.003
6060	0.002
6120	0.002
6180	0.002
6240	0.002
6300	0.002
6360	0.006
6420	0.002
6480	0.001
6540	0.002
6600	0.002
6660	0.001
6720	0.002
6780	0.004
6840	0.002
6900	0.001
6960	0.007
7020	0.004
7080	0.002
7140	0.002
7200	0.003
7260	0.003

7320	0.003
7380	0.002
7440	0.001
7500	0.001
7560	0.001
7620	0.001
7680	0.001
7740	0.002
7800	0.003
7860	0.001
7920	0.002
7980	0.001
8040	0.001
8100	0.001
8160	0.002
8220	0.001
8280	0.001
8340	0.001
8400	0.001
8460	0.005
8520	0.002
8580	0.004
8640	0.018
8700	0.01
8760	0.002
8820	0.007
8880	0.002
8940	0.003
9000	0.004
9060	0.002
9120	0.002
9180	0.004
9240	0.002
9300	0.003
9360	0.01
9420	0.002
9480	0.001
9540	0.001
9600	0.003
9660	0.004
9720	0.002
9780	0.001
9840	0.002
9900	0.002
9960	0.002
10020	0.008
10080	0.001

10140	0.003
10200	0.001
10260	0.001
10320	0.001
10380	0.001
10440	0.001
10500	0.003
10560	0.003
10620	0.004
10680	0.002
10740	0.002
10800	0.002
10860	0.004
10920	0.005
10980	0.003
11040	0.004
11100	0.009
11160	0.007
11220	0.008
11280	0.007
11340	0.003
11400	0.015
11460	0.012
11520	0.007
11580	0.009
11640	0.002
11700	0.003
11760	0.002
11820	0.002
11880	0.003
11940	0.003
12000	0.001
12060	0.001
12120	0.002
12180	0.002
12240	0.015
12300	0.003
12360	0.004
12420	0.002
12480	0.004
12540	0.002
12600	0.005
12660	0.002
12720	0.004
12780	0.008
12840	0.001
12900	0.003

12960	0.001
13020	0.003
13080	0.005
13140	0.004
13200	0.004
13260	0.002
13320	0.002
13380	0.001
13440	0.003
13500	0.002
13560	0.002
13620	0.001
13680	0.001
13740	0.004
13800	0.002
13860	0.002
13920	0.003
13980	0.002
14040	0.002
14100	0.001
14160	0.002
14220	0.002
14280	0.003
14340	0.008
14400	0.004
14460	0.004
14520	0.005
14580	0.016
14640	0.008
14700	0.002
14760	0.002
14820	0.001
14880	0.002
14940	0.003
15000	0.002
15060	0.001
15120	0.002
15180	0.001
15240	0.001
15300	0.002
15360	0.001
15420	0.002
15480	0.003
15540	0.001
15600	0.001
15660	0.001
15720	0.001

15780	0.002
15840	0.002
15900	0.002
15960	0.001
16020	0.001
16080	0.001
16140	0.003
16200	0.002
16260	0.001
16320	0.002
16380	0.002
16440	0.003
16500	0.002
16560	0.002
16620	0.019
16680	0.002
16740	0.004
16800	0.002
16860	0.004
16920	0.002
16980	0.007
17040	0.004
17100	0.003
17160	0.002
17220	0.001
17280	0.004
17340	0.004
17400	0.002
17460	0.001
17520	0.001
17580	0.002
17640	0.014
17700	0.001
17760	0.001
17820	0.001
17880	0
17940	0.001
18000	0
18060	0.003
18120	0.002
18180	0.003
18240	0.002
18300	0.001
18360	0
18420	0.002
18480	0
18540	0.002

18600	0.003
18660	0.002
18720	0.005
18780	0.004
18840	0.005
18900	0.004
18960	0.001
19020	0.002
19080	0.002
19140	0.015
19200	0.004
19260	0.002
19320	0.001
19380	0.007
19440	0.013
19500	0.016
19560	0.012
19620	0.006
19680	0.003
19740	0.002
19800	0.001
19860	0.002
19920	0.001
19980	0.001
20040	0.001
20100	0
20160	0
20220	0.001
20280	0.001
20340	0.001
20400	0.004
20460	0.023
20520	0.022
20580	0.001
20640	0
20700	0
20760	0
20820	0
20880	0.001
20940	0.001
21000	0.001
21060	0.002
21120	0.002
21180	0.003
21240	0.02
21300	0.058
21360	0.054

21420	0.09
21480	0.058
21540	0.006
21600	0.004
21660	0.001
21720	0.002
21780	0.001
21840	0.004
21900	0.023
21960	0.037
22020	0.012
22080	0
22140	0.013
22200	0.008
22260	0.001
22320	0
22380	0.002
22440	0.005
22500	0
22560	0
22620	0
22680	0.005
22740	0.028
22800	0.028
22860	0.002
22920	0.003
22980	0.007
23040	0.021
23100	0.017
23160	0.042
23220	0.003
23280	0.001
23340	0.001
23400	0.004
23460	0.006
23520	0.012
23580	0.005
23640	0.004
23700	0.008
23760	0.013

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_015
Test Start Time	8:25:03 AM
Test Start Date	4/17/2019
Test Length [D:H:M]	0:05:47
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.022
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	347

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.011		
120	0.008		
180	0.006		
240	0.01		
300	0.009		
360	0.007		
420	0.005		
480	0.004		
540	0.006		
600	0.007		
660	0.005		
720	0.005		
780	0.004		
840	0.007		
900	0.006		
960	0.006		
1020	0.007		
1080	0.007		
1140	0.006		
1200	0.006		
1260	0.008		
1320	0.014		
1380	0.009		
1440	0.005		
1500	0.004		
1560	0.004		
1620	0.005		

1680	0.004
1740	0.005
1800	0.004
1860	0.004
1920	0.006
1980	0.005
2040	0.005
2100	0.009
2160	0.006
2220	0.006
2280	0.005
2340	0.006
2400	0.006
2460	0.004
2520	0.004
2580	0.006
2640	0.007
2700	0.004
2760	0.003
2820	0.004
2880	0.003
2940	0.003
3000	0.003
3060	0.003
3120	0.003
3180	0.005
3240	0.004
3300	0.003
3360	0.003
3420	0.004
3480	0.003
3540	0.003
3600	0.004
3660	0.004
3720	0.004
3780	0.005
3840	0.007
3900	0.006
3960	0.003
4020	0.002
4080	0.002
4140	0.009
4200	0.011
4260	0.018
4320	0.006
4380	0.004
4440	0.003

4500	0.002
4560	0.003
4620	0.003
4680	0.004
4740	0.004
4800	0.004
4860	0.006
4920	0.008
4980	0.004
5040	0.005
5100	0.014
5160	0.005
5220	0.004
5280	0.003
5340	0.002
5400	0.002
5460	0.004
5520	0.003
5580	0.005
5640	0.006
5700	0.003
5760	0.003
5820	0.002
5880	0.002
5940	0.003
6000	0.003
6060	0.005
6120	0.011
6180	0.005
6240	0.012
6300	0.014
6360	0.022
6420	0.01
6480	0.008
6540	0.006
6600	0.003
6660	0.005
6720	0.008
6780	0.007
6840	0.012
6900	0.009
6960	0.006
7020	0.008
7080	0.011
7140	0.011
7200	0.008
7260	0.003

7320	0.002
7380	0.003
7440	0.008
7500	0.005
7560	0.001
7620	0.001
7680	0.001
7740	0.002
7800	0
7860	0.001
7920	0.001
7980	0.001
8040	0.002
8100	0.007
8160	0.01
8220	0
8280	0.001
8340	0.002
8400	0.003
8460	0.008
8520	0.007
8580	0.006
8640	0.002
8700	0.002
8760	0
8820	0.001
8880	0
8940	0
9000	0
9060	0.001
9120	0
9180	0
9240	0
9300	0
9360	0
9420	0.001
9480	0
9540	0
9600	0
9660	0
9720	0
9780	0.002
9840	0.003
9900	0
9960	0
10020	0
10080	0

10140	0
10200	0
10260	0
10320	0
10380	0
10440	0
10500	0
10560	0
10620	0.001
10680	0.001
10740	0
10800	0.005
10860	0.003
10920	0.003
10980	0.001
11040	0.005
11100	0
11160	0.001
11220	0.001
11280	0.001
11340	0.001
11400	0.001
11460	0.003
11520	0.007
11580	0.009
11640	0.012
11700	0.002
11760	0.008
11820	0.004
11880	0.002
11940	0.001
12000	0.001
12060	0
12120	0.002
12180	0.011
12240	0.003
12300	0
12360	0
12420	0.004
12480	0.003
12540	0.001
12600	0
12660	0
12720	0.001
12780	0.001
12840	0
12900	0

12960	0.008
13020	0.001
13080	0.001
13140	0.005
13200	0.001
13260	0.001
13320	0
13380	0
13440	0.001
13500	0
13560	0
13620	0
13680	0.002
13740	0
13800	0.001
13860	0.005
13920	0.001
13980	0.003
14040	0.001
14100	0.001
14160	0
14220	0.001
14280	0.002
14340	0.002
14400	0
14460	0.001
14520	0.002
14580	0.006
14640	0.002
14700	0.001
14760	0
14820	0
14880	0.001
14940	0
15000	0.002
15060	0
15120	0.017
15180	0.002
15240	0.006
15300	0.001
15360	0
15420	0
15480	0
15540	0.001
15600	0.002
15660	0.001
15720	0.002

15780	0.002
15840	0.001
15900	0.005
15960	0.003
16020	0.001
16080	0
16140	0.007
16200	0.004
16260	0.004
16320	0.003
16380	0.004
16440	0.003
16500	0.004
16560	0.002
16620	0.002
16680	0.003
16740	0.001
16800	0.001
16860	0.003
16920	0.007
16980	0.004
17040	0.004
17100	0.005
17160	0.008
17220	0.009
17280	0.004
17340	0.003
17400	0.002
17460	0.002
17520	0.002
17580	0.003
17640	0.002
17700	0.002
17760	0.001
17820	0.009
17880	0.002
17940	0.004
18000	0.001
18060	0.003
18120	0.003
18180	0.004
18240	0.003
18300	0.013
18360	0.005
18420	0.002
18480	0.002
18540	0.004

18600	0.002
18660	0.002
18720	0.005
18780	0.004
18840	0.004
18900	0.004
18960	0.006
19020	0.002
19080	0.003
19140	0.003
19200	0.004
19260	0.004
19320	0.006
19380	0.002
19440	0.002
19500	0.001
19560	0.002
19620	0.003
19680	0.003
19740	0.008
19800	0.007
19860	0.007
19920	0.004
19980	0.003
20040	0.003
20100	0.003
20160	0.007
20220	0.004
20280	0.004
20340	0.007
20400	0.01
20460	0.016
20520	0.007
20580	0.012
20640	0.006
20700	0.01
20760	0.008
20820	0.004

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_016
Test Start Time	8:05:01 AM
Test Start Date	4/18/2019
Test Length [D:H:M]	0:06:20
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.018
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.155
Mass TWA [mg/m3]	0.014
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	380

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.025		
120	0.032		
180	0.037		
240	0.023		
300	0.027		
360	0.012		
420	0.018		
480	0.016		
540	0.012		
600	0.081		
660	0.02		
720	0.022		
780	0.032		
840	0.02		
900	0.015		
960	0.011		
1020	0.01		
1080	0.007		
1140	0.014		
1200	0.009		
1260	0.012		
1320	0.012		
1380	0.026		
1440	0.155		
1500	0.061		
1560	0.019		
1620	0.015		

1680	0.011
1740	0.008
1800	0.011
1860	0.012
1920	0.009
1980	0.009
2040	0.017
2100	0.012
2160	0.019
2220	0.03
2280	0.017
2340	0.03
2400	0.047
2460	0.021
2520	0.036
2580	0.026
2640	0.01
2700	0.012
2760	0.01
2820	0.02
2880	0.019
2940	0.019
3000	0.045
3060	0.022
3120	0.024
3180	0.025
3240	0.019
3300	0.015
3360	0.011
3420	0.029
3480	0.04
3540	0.035
3600	0.06
3660	0.009
3720	0.024
3780	0.012
3840	0.015
3900	0.02
3960	0.02
4020	0.029
4080	0.023
4140	0.018
4200	0.031
4260	0.022
4320	0.026
4380	0.017
4440	0.018

4500	0.018
4560	0.081
4620	0.015
4680	0.016
4740	0.012
4800	0.021
4860	0.016
4920	0.01
4980	0.029
5040	0.013
5100	0.01
5160	0.017
5220	0.013
5280	0.01
5340	0.016
5400	0.031
5460	0.012
5520	0.02
5580	0.02
5640	0.012
5700	0.01
5760	0.009
5820	0.01
5880	0.014
5940	0.015
6000	0.012
6060	0.012
6120	0.015
6180	0.023
6240	0.017
6300	0.015
6360	0.014
6420	0.014
6480	0.011
6540	0.021
6600	0.013
6660	0.022
6720	0.012
6780	0.017
6840	0.01
6900	0.015
6960	0.015
7020	0.013
7080	0.017
7140	0.014
7200	0.025
7260	0.021

7320	0.013
7380	0.024
7440	0.014
7500	0.024
7560	0.017
7620	0.022
7680	0.021
7740	0.029
7800	0.033
7860	0.019
7920	0.046
7980	0.025
8040	0.016
8100	0.032
8160	0.033
8220	0.039
8280	0.015
8340	0.02
8400	0.026
8460	0.029
8520	0.043
8580	0.047
8640	0.022
8700	0.031
8760	0.027
8820	0.014
8880	0.015
8940	0.014
9000	0.013
9060	0.012
9120	0.012
9180	0.018
9240	0.013
9300	0.028
9360	0.018
9420	0.018
9480	0.016
9540	0.018
9600	0.018
9660	0.019
9720	0.032
9780	0.018
9840	0.013
9900	0.013
9960	0.014
10020	0.014
10080	0.014

10140	0.014
10200	0.024
10260	0.017
10320	0.012
10380	0.012
10440	0.014
10500	0.015
10560	0.015
10620	0.021
10680	0.023
10740	0.014
10800	0.013
10860	0.019
10920	0.015
10980	0.014
11040	0.02
11100	0.017
11160	0.017
11220	0.015
11280	0.021
11340	0.014
11400	0.014
11460	0.013
11520	0.012
11580	0.011
11640	0.011
11700	0.011
11760	0.014
11820	0.012
11880	0.012
11940	0.012
12000	0.012
12060	0.012
12120	0.012
12180	0.011
12240	0.012
12300	0.012
12360	0.012
12420	0.012
12480	0.013
12540	0.012
12600	0.012
12660	0.012
12720	0.011
12780	0.011
12840	0.011
12900	0.012

12960	0.012
13020	0.012
13080	0.012
13140	0.012
13200	0.011
13260	0.012
13320	0.016
13380	0.013
13440	0.013
13500	0.013
13560	0.013
13620	0.014
13680	0.012
13740	0.012
13800	0.012
13860	0.012
13920	0.013
13980	0.013
14040	0.012
14100	0.012
14160	0.013
14220	0.012
14280	0.013
14340	0.013
14400	0.013
14460	0.013
14520	0.012
14580	0.016
14640	0.013
14700	0.012
14760	0.012
14820	0.018
14880	0.014
14940	0.013
15000	0.013
15060	0.013
15120	0.013
15180	0.014
15240	0.018
15300	0.015
15360	0.014
15420	0.014
15480	0.014
15540	0.013
15600	0.013
15660	0.013
15720	0.014

15780	0.014
15840	0.014
15900	0.013
15960	0.015
16020	0.023
16080	0.024
16140	0.014
16200	0.026
16260	0.053
16320	0.014
16380	0.019
16440	0.019
16500	0.014
16560	0.014
16620	0.018
16680	0.014
16740	0.014
16800	0.014
16860	0.016
16920	0.014
16980	0.014
17040	0.015
17100	0.021
17160	0.021
17220	0.016
17280	0.014
17340	0.015
17400	0.015
17460	0.016
17520	0.015
17580	0.016
17640	0.015
17700	0.014
17760	0.015
17820	0.023
17880	0.018
17940	0.015
18000	0.015
18060	0.015
18120	0.015
18180	0.022
18240	0.02
18300	0.018
18360	0.017
18420	0.016
18480	0.018
18540	0.017

18600	0.018
18660	0.018
18720	0.016
18780	0.016
18840	0.016
18900	0.017
18960	0.016
19020	0.016
19080	0.016
19140	0.015
19200	0.016
19260	0.015
19320	0.017
19380	0.019
19440	0.016
19500	0.015
19560	0.015
19620	0.016
19680	0.015
19740	0.016
19800	0.015
19860	0.016
19920	0.015
19980	0.015
20040	0.016
20100	0.016
20160	0.019
20220	0.018
20280	0.017
20340	0.017
20400	0.019
20460	0.02
20520	0.019
20580	0.022
20640	0.022
20700	0.022
20760	0.019
20820	0.02
20880	0.021
20940	0.02
21000	0.022
21060	0.021
21120	0.017
21180	0.016
21240	0.016
21300	0.016
21360	0.016

21420	0.016
21480	0.016
21540	0.015
21600	0.016
21660	0.015
21720	0.015
21780	0.015
21840	0.016
21900	0.015
21960	0.016
22020	0.016
22080	0.016
22140	0.016
22200	0.015
22260	0.015
22320	0.015
22380	0.017
22440	0.016
22500	0.015
22560	0.016
22620	0.015
22680	0.015
22740	0.017
22800	0.026

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_017
Test Start Time	7:30:52 AM
Test Start Date	4/22/2019
Test Length [D:H:M]	0:04:24
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.073
Mass TWA [mg/m3]	0.008
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	264

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.033		
120	0.018		
180	0.04		
240	0.016		
300	0.015		
360	0.019		
420	0.011		
480	0.01		
540	0.01		
600	0.018		
660	0.019		
720	0.015		
780	0.012		
840	0.012		
900	0.01		
960	0.018		
1020	0.016		
1080	0.026		
1140	0.012		
1200	0.01		
1260	0.011		
1320	0.009		
1380	0.012		
1440	0.014		
1500	0.02		
1560	0.011		
1620	0.018		

1680	0.073
1740	0.019
1800	0.012
1860	0.012
1920	0.033
1980	0.037
2040	0.018
2100	0.015
2160	0.01
2220	0.017
2280	0.016
2340	0.014
2400	0.012
2460	0.01
2520	0.01
2580	0.015
2640	0.011
2700	0.009
2760	0.024
2820	0.015
2880	0.01
2940	0.012
3000	0.01
3060	0.009
3120	0.009
3180	0.01
3240	0.01
3300	0.013
3360	0.012
3420	0.01
3480	0.012
3540	0.01
3600	0.01
3660	0.01
3720	0.009
3780	0.008
3840	0.031
3900	0.033
3960	0.016
4020	0.009
4080	0.009
4140	0.009
4200	0.008
4260	0.014
4320	0.032
4380	0.02
4440	0.069

4500	0.033
4560	0.012
4620	0.011
4680	0.011
4740	0.012
4800	0.009
4860	0.01
4920	0.011
4980	0.021
5040	0.036
5100	0.015
5160	0.011
5220	0.016
5280	0.022
5340	0.012
5400	0.011
5460	0.012
5520	0.02
5580	0.014
5640	0.011
5700	0.01
5760	0.01
5820	0.016
5880	0.011
5940	0.025
6000	0.013
6060	0.011
6120	0.01
6180	0.01
6240	0.014
6300	0.011
6360	0.013
6420	0.011
6480	0.009
6540	0.011
6600	0.012
6660	0.009
6720	0.018
6780	0.028
6840	0.013
6900	0.01
6960	0.034
7020	0.013
7080	0.009
7140	0.027
7200	0.017
7260	0.023

7320	0.014
7380	0.024
7440	0.011
7500	0.011
7560	0.012
7620	0.011
7680	0.016
7740	0.009
7800	0.01
7860	0.023
7920	0.01
7980	0.013
8040	0.011
8100	0.009
8160	0.009
8220	0.013
8280	0.013
8340	0.009
8400	0.009
8460	0.014
8520	0.01
8580	0.012
8640	0.009
8700	0.01
8760	0.008
8820	0.016
8880	0.026
8940	0.016
9000	0.009
9060	0.011
9120	0.02
9180	0.008
9240	0.008
9300	0.008
9360	0.008
9420	0.008
9480	0.009
9540	0.008
9600	0.009
9660	0.009
9720	0.011
9780	0.007
9840	0.008
9900	0.009
9960	0.014
10020	0.012
10080	0.015

10140	0.05
10200	0.07
10260	0.013
10320	0.017
10380	0.019
10440	0.018
10500	0.016
10560	0.029
10620	0.014
10680	0.01
10740	0.009
10800	0.009
10860	0.012
10920	0.012
10980	0.022
11040	0.009
11100	0.009
11160	0.009
11220	0.009
11280	0.008
11340	0.01
11400	0.008
11460	0.012
11520	0.014
11580	0.015
11640	0.02
11700	0.027
11760	0.019
11820	0.017
11880	0.012
11940	0.019
12000	0.014
12060	0.011
12120	0.021
12180	0.039
12240	0.015
12300	0.012
12360	0.01
12420	0.008
12480	0.033
12540	0.011
12600	0.01
12660	0.008
12720	0.008
12780	0.008
12840	0.009
12900	0.009

12960	0.008
13020	0.009
13080	0.008
13140	0.008
13200	0.008
13260	0.008
13320	0.008
13380	0.008
13440	0.008
13500	0.008
13560	0.008
13620	0.008
13680	0.008
13740	0.008
13800	0.008
13860	0.008
13920	0.009
13980	0.01
14040	0.008
14100	0.008
14160	0.008
14220	0.008
14280	0.008
14340	0.01
14400	0.009
14460	0.017
14520	0.018
14580	0.013
14640	0.009
14700	0.011
14760	0.011
14820	0.015
14880	0.011
14940	0.011
15000	0.011
15060	0.012
15120	0.015
15180	0.034
15240	0.028
15300	0.012
15360	0.008
15420	0.027
15480	0.011
15540	0.009
15600	0.01
15660	0.014
15720	0.012

15780	0.009
15840	0.026

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_018
Test Start Time	7:24:35 AM
Test Start Date	4/23/2019
Test Length [D:H:M]	0:03:46
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.02
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.297
Mass TWA [mg/m3]	0.009
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	226

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.018		
120	0.013		
180	0.013		
240	0.019		
300	0.013		
360	0.013		
420	0.012		
480	0.013		
540	0.017		
600	0.017		
660	0.025		
720	0.089		
780	0.038		
840	0.017		
900	0.017		
960	0.01		
1020	0.01		
1080	0.012		
1140	0.035		
1200	0.014		
1260	0.019		
1320	0.014		
1380	0.01		
1440	0.013		
1500	0.011		
1560	0.015		
1620	0.017		

1680	0.014
1740	0.028
1800	0.269
1860	0.014
1920	0.056
1980	0.154
2040	0.048
2100	0.144
2160	0.029
2220	0.02
2280	0.016
2340	0.076
2400	0.222
2460	0.088
2520	0.014
2580	0.191
2640	0.109
2700	0.025
2760	0.01
2820	0.011
2880	0.01
2940	0.01
3000	0.297
3060	0.033
3120	0.017
3180	0.019
3240	0.01
3300	0.01
3360	0.04
3420	0.012
3480	0.009
3540	0.01
3600	0.014
3660	0.011
3720	0.013
3780	0.012
3840	0.012
3900	0.012
3960	0.015
4020	0.013
4080	0.015
4140	0.015
4200	0.014
4260	0.016
4320	0.017
4380	0.015
4440	0.016

4500	0.034
4560	0.021
4620	0.02
4680	0.016
4740	0.013
4800	0.021
4860	0.024
4920	0.02
4980	0.015
5040	0.017
5100	0.021
5160	0.018
5220	0.017
5280	0.012
5340	0.013
5400	0.011
5460	0.016
5520	0.022
5580	0.026
5640	0.019
5700	0.015
5760	0.017
5820	0.022
5880	0.012
5940	0.011
6000	0.014
6060	0.024
6120	0.017
6180	0.012
6240	0.014
6300	0.009
6360	0.009
6420	0.01
6480	0.011
6540	0.012
6600	0.009
6660	0.012
6720	0.009
6780	0.01
6840	0.014
6900	0.014
6960	0.014
7020	0.011
7080	0.012
7140	0.011
7200	0.019
7260	0.012

7320	0.016
7380	0.011
7440	0.009
7500	0.016
7560	0.019
7620	0.01
7680	0.012
7740	0.007
7800	0.007
7860	0.006
7920	0.009
7980	0.008
8040	0.007
8100	0.007
8160	0.009
8220	0.008
8280	0.006
8340	0.006
8400	0.009
8460	0.009
8520	0.009
8580	0.01
8640	0.017
8700	0.012
8760	0.011
8820	0.009
8880	0.008
8940	0.006
9000	0.007
9060	0.008
9120	0.007
9180	0.005
9240	0.009
9300	0.007
9360	0.01
9420	0.01
9480	0.008
9540	0.007
9600	0.009
9660	0.008
9720	0.007
9780	0.009
9840	0.01
9900	0.03
9960	0.013
10020	0.013
10080	0.014

10140	0.038
10200	0.016
10260	0.013
10320	0.008
10380	0.009
10440	0.01
10500	0.009
10560	0.012
10620	0.01
10680	0.009
10740	0.009
10800	0.005
10860	0.007
10920	0.014
10980	0.014
11040	0.009
11100	0.012
11160	0.01
11220	0.008
11280	0.014
11340	0.008
11400	0.007
11460	0.006
11520	0.006
11580	0.006
11640	0.005
11700	0.005
11760	0.005
11820	0.006
11880	0.009
11940	0.013
12000	0.01
12060	0.009
12120	0.006
12180	0.007
12240	0.01
12300	0.005
12360	0.009
12420	0.012
12480	0.01
12540	0.006
12600	0.006
12660	0.006
12720	0.007
12780	0.007
12840	0.007
12900	0.006

12960	0.007
13020	0.024
13080	0.013
13140	0.006
13200	0.006
13260	0.006
13320	0.006
13380	0.006
13440	0.008
13500	0.009
13560	0.014

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152512
Firmware Version	3.7
Calibration Date	6/22/2015
Test Name	MANUAL_019
Test Start Time	3:26:49 PM
Test Start Date	4/25/2019
Test Length [D:H:M]	0:03:47
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.028
Mass Minimum [mg/m3]	0.014
Mass Maximum [mg/m3]	0.201
Mass TWA [mg/m3]	0.013
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	227

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.045		
120	0.062		
180	0.036		
240	0.039		
300	0.054		
360	0.044		
420	0.039		
480	0.029		
540	0.027		
600	0.033		
660	0.033		
720	0.031		
780	0.043		
840	0.038		
900	0.023		
960	0.053		
1020	0.039		
1080	0.033		
1140	0.033		
1200	0.034		
1260	0.044		
1320	0.046		
1380	0.053		
1440	0.036		
1500	0.04		
1560	0.042		
1620	0.028		

1680	0.043
1740	0.034
1800	0.027
1860	0.022
1920	0.021
1980	0.02
2040	0.021
2100	0.02
2160	0.034
2220	0.034
2280	0.03
2340	0.024
2400	0.026
2460	0.025
2520	0.041
2580	0.032
2640	0.055
2700	0.034
2760	0.038
2820	0.033
2880	0.04
2940	0.038
3000	0.042
3060	0.05
3120	0.021
3180	0.028
3240	0.038
3300	0.048
3360	0.03
3420	0.023
3480	0.025
3540	0.058
3600	0.02
3660	0.023
3720	0.056
3780	0.041
3840	0.027
3900	0.024
3960	0.027
4020	0.052
4080	0.032
4140	0.03
4200	0.023
4260	0.021
4320	0.03
4380	0.04
4440	0.017

4500	0.021
4560	0.033
4620	0.022
4680	0.035
4740	0.022
4800	0.019
4860	0.015
4920	0.019
4980	0.019
5040	0.024
5100	0.024
5160	0.016
5220	0.014
5280	0.018
5340	0.016
5400	0.02
5460	0.028
5520	0.037
5580	0.038
5640	0.023
5700	0.018
5760	0.017
5820	0.017
5880	0.017
5940	0.023
6000	0.04
6060	0.028
6120	0.065
6180	0.037
6240	0.02
6300	0.035
6360	0.03
6420	0.045
6480	0.03
6540	0.024
6600	0.014
6660	0.025
6720	0.019
6780	0.016
6840	0.019
6900	0.016
6960	0.017
7020	0.016
7080	0.016
7140	0.016
7200	0.02
7260	0.021

7320	0.02
7380	0.02
7440	0.02
7500	0.019
7560	0.021
7620	0.02
7680	0.028
7740	0.03
7800	0.022
7860	0.02
7920	0.023
7980	0.02
8040	0.038
8100	0.024
8160	0.031
8220	0.027
8280	0.024
8340	0.032
8400	0.034
8460	0.032
8520	0.022
8580	0.02
8640	0.018
8700	0.017
8760	0.022
8820	0.015
8880	0.019
8940	0.018
9000	0.033
9060	0.04
9120	0.018
9180	0.021
9240	0.021
9300	0.018
9360	0.019
9420	0.022
9480	0.02
9540	0.02
9600	0.019
9660	0.021
9720	0.021
9780	0.019
9840	0.023
9900	0.021
9960	0.02
10020	0.019
10080	0.02

10140	0.019
10200	0.017
10260	0.018
10320	0.019
10380	0.019
10440	0.02
10500	0.021
10560	0.023
10620	0.019
10680	0.019
10740	0.02
10800	0.025
10860	0.023
10920	0.022
10980	0.021
11040	0.022
11100	0.021
11160	0.022
11220	0.021
11280	0.021
11340	0.021
11400	0.022
11460	0.021
11520	0.025
11580	0.201
11640	0.112
11700	0.023
11760	0.025
11820	0.031
11880	0.031
11940	0.023
12000	0.022
12060	0.024
12120	0.024
12180	0.029
12240	0.021
12300	0.029
12360	0.023
12420	0.02
12480	0.022
12540	0.023
12600	0.02
12660	0.021
12720	0.021
12780	0.02
12840	0.021
12900	0.022

12960	0.024
13020	0.022
13080	0.022
13140	0.021
13200	0.021
13260	0.021
13320	0.041
13380	0.029
13440	0.026
13500	0.021
13560	0.022
13620	0.035

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530102611
Firmware Version	3.4
Calibration Date	3/22/2016
Test Name	MANUAL_001
Test Start Time	10:01:49 AM
Test Start Date	6/19/2019
Test Length [D:H:M]	0:04:02
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.009
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.045
Mass TWA [mg/m3]	0.005
Photometric User Cal	1.22
Flow User Cal	0
Errors	
Number of Samples	242

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.012		
120	0.007		
180	0.008		
240	0.007		
300	0.007		
360	0.009		
420	0.01		
480	0.011		
540	0.026		
600	0.016		
660	0.012		
720	0.011		
780	0.011		
840	0.012		
900	0.031		
960	0.014		
1020	0.011		
1080	0.01		
1140	0.01		
1200	0.009		
1260	0.009		
1320	0.009		
1380	0.008		
1440	0.008		
1500	0.007		
1560	0.007		
1620	0.008		

1680	0.008
1740	0.008
1800	0.008
1860	0.017
1920	0.009
1980	0.009
2040	0.007
2100	0.005
2160	0.004
2220	0.003
2280	0.008
2340	0.011
2400	0.013
2460	0.01
2520	0.011
2580	0.01
2640	0.01
2700	0.032
2760	0.01
2820	0.01
2880	0.016
2940	0.017
3000	0.013
3060	0.011
3120	0.028
3180	0.01
3240	0.011
3300	0.012
3360	0.012
3420	0.011
3480	0.012
3540	0.011
3600	0.011
3660	0.011
3720	0.014
3780	0.024
3840	0.027
3900	0.013
3960	0.015
4020	0.016
4080	0.012
4140	0.013
4200	0.012
4260	0.013
4320	0.018
4380	0.026
4440	0.017

4500	0.025
4560	0.015
4620	0.013
4680	0.013
4740	0.013
4800	0.013
4860	0.012
4920	0.013
4980	0.013
5040	0.013
5100	0.013
5160	0.012
5220	0.014
5280	0.014
5340	0.016
5400	0.014
5460	0.013
5520	0.013
5580	0.012
5640	0.022
5700	0.017
5760	0.017
5820	0.015
5880	0.016
5940	0.021
6000	0.027
6060	0.045
6120	0.018
6180	0.017
6240	0.019
6300	0.018
6360	0.018
6420	0.018
6480	0.019
6540	0.015
6600	0.007
6660	0.005
6720	0.004
6780	0.01
6840	0.016
6900	0.013
6960	0.01
7020	0.007
7080	0.007
7140	0.006
7200	0.007
7260	0.007

7320	0.006
7380	0.005
7440	0.005
7500	0.005
7560	0.006
7620	0.008
7680	0.007
7740	0.006
7800	0.006
7860	0.006
7920	0.005
7980	0.005
8040	0.004
8100	0.003
8160	0.004
8220	0.003
8280	0.003
8340	0.005
8400	0.009
8460	0.008
8520	0.008
8580	0.007
8640	0.009
8700	0.01
8760	0.011
8820	0.007
8880	0.01
8940	0.011
9000	0.01
9060	0.011
9120	0.009
9180	0.009
9240	0.009
9300	0.009
9360	0.009
9420	0.009
9480	0.008
9540	0.008
9600	0.008
9660	0.009
9720	0.028
9780	0.035
9840	0.011
9900	0.009
9960	0.008
10020	0.008
10080	0.011

10140	0.011
10200	0.006
10260	0.006
10320	0.006
10380	0.006
10440	0.006
10500	0.008
10560	0.006
10620	0.006
10680	0.005
10740	0.005
10800	0.005
10860	0.006
10920	0.005
10980	0.005
11040	0.005
11100	0.006
11160	0.005
11220	0.005
11280	0.006
11340	0.005
11400	0.004
11460	0.005
11520	0.005
11580	0.005
11640	0.005
11700	0.009
11760	0.007
11820	0.005
11880	0.004
11940	0.003
12000	0.004
12060	0.002
12120	0.002
12180	0.001
12240	0
12300	0
12360	0
12420	0
12480	0
12540	0
12600	0
12660	0
12720	0.001
12780	0.002
12840	0.001
12900	0

12960	0.005
13020	0.002
13080	0
13140	0
13200	0
13260	0
13320	0
13380	0
13440	0
13500	0
13560	0
13620	0.001
13680	0.003
13740	0
13800	0
13860	0
13920	0
13980	0
14040	0
14100	0.001
14160	0.005
14220	0.001
14280	0.001
14340	0
14400	0
14460	0
14520	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530102611
Firmware Version	3.4
Calibration Date	3/22/2016
Test Name	MANUAL_002
Test Start Time	7:56:57 AM
Test Start Date	6/20/2019
Test Length [D:H:M]	0:06:31
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.031
Mass Minimum [mg/m3]	0.009
Mass Maximum [mg/m3]	0.302
Mass TWA [mg/m3]	0.025
Photometric User Cal	1.22
Flow User Cal	0
Errors	
Number of Samples	391

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.017		
120	0.016		
180	0.017		
240	0.015		
300	0.013		
360	0.015		
420	0.019		
480	0.017		
540	0.015		
600	0.02		
660	0.015		
720	0.016		
780	0.025		
840	0.024		
900	0.026		
960	0.031		
1020	0.018		
1080	0.021		
1140	0.018		
1200	0.02		
1260	0.019		
1320	0.019		
1380	0.016		
1440	0.014		
1500	0.013		
1560	0.013		
1620	0.013		

1680	0.013
1740	0.012
1800	0.012
1860	0.011
1920	0.011
1980	0.011
2040	0.011
2100	0.011
2160	0.012
2220	0.011
2280	0.011
2340	0.01
2400	0.011
2460	0.01
2520	0.011
2580	0.014
2640	0.009
2700	0.026
2760	0.019
2820	0.055
2880	0.027
2940	0.027
3000	0.038
3060	0.038
3120	0.056
3180	0.022
3240	0.02
3300	0.019
3360	0.015
3420	0.019
3480	0.024
3540	0.016
3600	0.011
3660	0.011
3720	0.01
3780	0.011
3840	0.012
3900	0.013
3960	0.026
4020	0.02
4080	0.014
4140	0.012
4200	0.011
4260	0.01
4320	0.013
4380	0.013
4440	0.015

4500	0.016
4560	0.016
4620	0.016
4680	0.018
4740	0.018
4800	0.018
4860	0.018
4920	0.016
4980	0.017
5040	0.012
5100	0.013
5160	0.015
5220	0.029
5280	0.019
5340	0.019
5400	0.018
5460	0.015
5520	0.014
5580	0.016
5640	0.017
5700	0.016
5760	0.012
5820	0.013
5880	0.024
5940	0.017
6000	0.018
6060	0.016
6120	0.015
6180	0.017
6240	0.013
6300	0.013
6360	0.013
6420	0.012
6480	0.012
6540	0.012
6600	0.018
6660	0.019
6720	0.016
6780	0.015
6840	0.021
6900	0.071
6960	0.021
7020	0.021
7080	0.025
7140	0.02
7200	0.021
7260	0.042

7320	0.023
7380	0.016
7440	0.017
7500	0.014
7560	0.015
7620	0.014
7680	0.015
7740	0.015
7800	0.015
7860	0.015
7920	0.015
7980	0.016
8040	0.016
8100	0.015
8160	0.015
8220	0.014
8280	0.015
8340	0.018
8400	0.015
8460	0.015
8520	0.014
8580	0.019
8640	0.016
8700	0.014
8760	0.014
8820	0.015
8880	0.016
8940	0.016
9000	0.022
9060	0.02
9120	0.019
9180	0.028
9240	0.021
9300	0.017
9360	0.016
9420	0.019
9480	0.019
9540	0.017
9600	0.018
9660	0.019
9720	0.019
9780	0.019
9840	0.019
9900	0.018
9960	0.019
10020	0.019
10080	0.018

10140	0.019
10200	0.019
10260	0.019
10320	0.02
10380	0.022
10440	0.022
10500	0.018
10560	0.018
10620	0.018
10680	0.03
10740	0.019
10800	0.018
10860	0.02
10920	0.019
10980	0.018
11040	0.018
11100	0.019
11160	0.018
11220	0.023
11280	0.031
11340	0.023
11400	0.02
11460	0.02
11520	0.021
11580	0.022
11640	0.019
11700	0.019
11760	0.019
11820	0.021
11880	0.024
11940	0.021
12000	0.018
12060	0.019
12120	0.021
12180	0.021
12240	0.02
12300	0.02
12360	0.02
12420	0.02
12480	0.019
12540	0.019
12600	0.017
12660	0.017
12720	0.017
12780	0.017
12840	0.017
12900	0.017

12960	0.017
13020	0.022
13080	0.024
13140	0.026
13200	0.019
13260	0.017
13320	0.017
13380	0.023
13440	0.022
13500	0.017
13560	0.018
13620	0.018
13680	0.018
13740	0.017
13800	0.018
13860	0.018
13920	0.019
13980	0.02
14040	0.021
14100	0.021
14160	0.024
14220	0.022
14280	0.021
14340	0.023
14400	0.023
14460	0.024
14520	0.025
14580	0.019
14640	0.017
14700	0.017
14760	0.016
14820	0.017
14880	0.019
14940	0.02
15000	0.02
15060	0.02
15120	0.021
15180	0.019
15240	0.018
15300	0.017
15360	0.017
15420	0.016
15480	0.015
15540	0.015
15600	0.014
15660	0.018
15720	0.022

15780	0.022
15840	0.022
15900	0.02
15960	0.021
16020	0.02
16080	0.02
16140	0.021
16200	0.023
16260	0.024
16320	0.023
16380	0.022
16440	0.022
16500	0.022
16560	0.022
16620	0.023
16680	0.024
16740	0.025
16800	0.025
16860	0.026
16920	0.027
16980	0.028
17040	0.027
17100	0.026
17160	0.025
17220	0.024
17280	0.023
17340	0.024
17400	0.023
17460	0.023
17520	0.023
17580	0.022
17640	0.022
17700	0.022
17760	0.029
17820	0.04
17880	0.039
17940	0.041
18000	0.042
18060	0.042
18120	0.043
18180	0.045
18240	0.046
18300	0.046
18360	0.038
18420	0.036
18480	0.035
18540	0.038

18600	0.09
18660	0.122
18720	0.302
18780	0.24
18840	0.156
18900	0.097
18960	0.084
19020	0.053
19080	0.051
19140	0.048
19200	0.049
19260	0.049
19320	0.048
19380	0.05
19440	0.052
19500	0.05
19560	0.051
19620	0.057
19680	0.062
19740	0.052
19800	0.065
19860	0.051
19920	0.051
19980	0.054
20040	0.057
20100	0.063
20160	0.061
20220	0.063
20280	0.066
20340	0.066
20400	0.062
20460	0.063
20520	0.064
20580	0.063
20640	0.065
20700	0.063
20760	0.063
20820	0.061
20880	0.061
20940	0.062
21000	0.06
21060	0.06
21120	0.058
21180	0.059
21240	0.06
21300	0.06
21360	0.064

21420	0.057
21480	0.057
21540	0.057
21600	0.065
21660	0.06
21720	0.058
21780	0.058
21840	0.058
21900	0.058
21960	0.059
22020	0.059
22080	0.062
22140	0.066
22200	0.062
22260	0.06
22320	0.06
22380	0.057
22440	0.056
22500	0.058
22560	0.065
22620	0.09
22680	0.09
22740	0.106
22800	0.108
22860	0.146
22920	0.083
22980	0.07
23040	0.059
23100	0.057
23160	0.062
23220	0.078
23280	0.077
23340	0.075
23400	0.075
23460	0.098

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530102611
Firmware Version	3.4
Calibration Date	3/22/2016
Test Name	MANUAL_003
Test Start Time	8:54:01 AM
Test Start Date	6/21/2019
Test Length [D:H:M]	0:05:29
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.052
Mass TWA [mg/m3]	0.003
Photometric User Cal	1.22
Flow User Cal	0
Errors	
Number of Samples	329

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.008		
120	0.009		
180	0.009		
240	0.016		
300	0.012		
360	0.016		
420	0.025		
480	0.016		
540	0.02		
600	0.014		
660	0.021		
720	0.016		
780	0.01		
840	0.017		
900	0.012		
960	0.016		
1020	0.01		
1080	0.009		
1140	0.008		
1200	0.008		
1260	0.01		
1320	0.013		
1380	0.009		
1440	0.011		
1500	0.008		
1560	0.007		
1620	0.011		

1680	0.01
1740	0.007
1800	0.006
1860	0.006
1920	0.006
1980	0.011
2040	0.011
2100	0.009
2160	0.012
2220	0.009
2280	0.012
2340	0.009
2400	0.011
2460	0.01
2520	0.026
2580	0.016
2640	0.015
2700	0.011
2760	0.011
2820	0.011
2880	0.012
2940	0.011
3000	0.019
3060	0.011
3120	0.007
3180	0.01
3240	0.012
3300	0.012
3360	0.012
3420	0.012
3480	0.013
3540	0.01
3600	0.011
3660	0.015
3720	0.01
3780	0.011
3840	0.009
3900	0.014
3960	0.016
4020	0.012
4080	0.013
4140	0.008
4200	0.015
4260	0.005
4320	0.011
4380	0.008
4440	0.011

4500	0.006
4560	0.005
4620	0.011
4680	0.008
4740	0.005
4800	0.005
4860	0.005
4920	0.011
4980	0.011
5040	0.009
5100	0.012
5160	0.011
5220	0.009
5280	0.009
5340	0.017
5400	0.011
5460	0.012
5520	0.005
5580	0.011
5640	0.011
5700	0.005
5760	0.003
5820	0.005
5880	0.017
5940	0.006
6000	0.005
6060	0.01
6120	0.003
6180	0.001
6240	0.002
6300	0.004
6360	0.003
6420	0.003
6480	0.003
6540	0.007
6600	0.052
6660	0.005
6720	0.003
6780	0.006
6840	0.004
6900	0.003
6960	0.003
7020	0.01
7080	0.002
7140	0.007
7200	0.007
7260	0.005

7320	0.002
7380	0.004
7440	0.007
7500	0.006
7560	0.002
7620	0.007
7680	0.006
7740	0.007
7800	0.007
7860	0.005
7920	0.003
7980	0.006
8040	0.003
8100	0.003
8160	0.002
8220	0.001
8280	0.002
8340	0.002
8400	0.002
8460	0.003
8520	0.002
8580	0.001
8640	0.011
8700	0.004
8760	0.002
8820	0.001
8880	0
8940	0
9000	0
9060	0.002
9120	0.002
9180	0.001
9240	0
9300	0.001
9360	0
9420	0
9480	0
9540	0
9600	0
9660	0
9720	0
9780	0
9840	0
9900	0.001
9960	0.001
10020	0.003
10080	0.004

10140	0.003
10200	0.001
10260	0.002
10320	0.003
10380	0.002
10440	0.005
10500	0.005
10560	0.003
10620	0.001
10680	0.001
10740	0.001
10800	0.003
10860	0.001
10920	0.001
10980	0
11040	0
11100	0.001
11160	0.001
11220	0.001
11280	0.002
11340	0.001
11400	0.004
11460	0.004
11520	0.001
11580	0
11640	0
11700	0.004
11760	0.002
11820	0
11880	0
11940	0
12000	0
12060	0
12120	0
12180	0
12240	0
12300	0
12360	0
12420	0
12480	0
12540	0
12600	0
12660	0
12720	0
12780	0
12840	0
12900	0

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

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

18600	0
18660	0.001
18720	0
18780	0
18840	0
18900	0
18960	0
19020	0
19080	0
19140	0
19200	0
19260	0.001
19320	0
19380	0
19440	0
19500	0
19560	0
19620	0
19680	0
19740	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530102611
Firmware Version	3.4
Calibration Date	3/22/2016
Test Name	MANUAL_004
Test Start Time	7:44:45 AM
Test Start Date	6/24/2019
Test Length [D:H:M]	0:10:21
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	-0.003
Mass Maximum [mg/m3]	0.027
Mass TWA [mg/m3]	0.004
Photometric User Cal	1.22
Flow User Cal	0
Errors	
Number of Samples	359

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.018		
120	0.017		
180	0.014		
240	0.014		
300	0.027		
360	0.022		
420	0.017		
480	0.018		
540	0.021		
600	0.016		
660	0.015		
720	0.013		
780	0.015		
840	0.014		
900	0.018		
960	0.019		
1020	0.017		
1080	0.017		
1140	0.02		
1200	0.012		
1260	0.013		
1320	0.011		
1380	0.009		
1440	0.013		
1500	0.012		
1560	0.011		
1620	0.009		

1680	0.009
1740	0.014
1800	0.018
1860	0.013
1920	0.01
1980	0.009
2040	0.012
2100	0.012
2160	0.011
2220	0.01
2280	0.008
2340	0.007
2400	0.008
2460	0.009
2520	0.005
2580	0.01
2640	0.016
2700	0.006
2760	0.008
2820	0.007
2880	0.005
2940	0.009
3000	0.009
3060	0.007
3120	0.011
3180	0.008
3240	0.018
3300	0.011
3360	0.013
3420	0.012
3480	0.011
3540	0.011
3600	0.011
3660	0.011
3720	0.013
3780	0.014
3840	0.016
3900	0.014
3960	0.011
4020	0.011
4080	0.016
4140	0.012
4200	0.015
4260	0.022
4320	0.017
4380	0.016
4440	0.014

4500	0.012
4560	0.012
4620	0.012
4680	0.011
4740	0.008
4800	0.008
4860	0.015
4920	0.018
4980	0.011
5040	0.008
5100	0.007
5160	0.007
5220	0.008
5280	0.007
5340	0.009
5400	0.009
5460	0.009
5520	0.009
5580	0.01
5640	0.008
5700	0.007
5760	0.008
5820	0.009
5880	0.008
5940	0.007
6000	0.008
6060	0.007
6120	0.008
6180	0.017
6240	0.01
6300	0.01
6360	0.007
6420	0.007
6480	0.007
6540	0.008
6600	0.008
6660	0.006
6720	0.004
6780	0.006
6840	0.003
6900	0.007
6960	0.004
7020	0.005
7080	0.005
7140	0.005
7200	0.005
7260	0.004

7320	0.004
7380	0.004
7440	0.006
7500	0.005
7560	0.006
7620	0.007
7680	0.006
7740	0.006
7800	0.004
7860	0.011
7920	0.007
7980	0.004
8040	0.005
8100	0.006
8160	0.011
8220	0.007
8280	0.003
8340	0.003
8400	0.003
8460	0.008
8520	0.003
8580	0.006
8640	0.003
8700	0.003
8760	0.002
8820	0.002
8880	0.003
8940	0.003
9000	0.002
9060	0.001
9120	0.002
9180	0.004
9240	0.002
9300	0.003
9360	0.008
9420	0.004
9480	0.006
9540	0.003
9600	0.004
9660	0.003
9720	0.003
9780	0.002
9840	0.002
9900	0.004
9960	0.009
10020	0.005
10080	0.002

10140	0.002
10200	0.003
10260	0.003
10320	0.003
10380	0.004
10440	0.004
10500	0.005
10560	0.004
10620	0.004
10680	0.002
10740	0.001
10800	0.001
10860	0
10920	0
10980	0.001
11040	0
11100	0.001
11160	0
11220	0
11280	0
11340	0
11400	0
11460	0
11520	0.001
11580	0.001
11640	0.003
11700	0.002
11760	0.002
11820	0.002
11880	0.001
11940	0
12000	0
12060	0
12120	0.002
12180	0.005
12240	0.003
12300	0
12360	0
12420	0
12480	0
12540	0.002
12600	0.003
12660	0.008
12720	0.006
12780	0.001
12840	0.001
12900	0.005

12960	0.007
13020	0.006
13080	0.019
13140	0.019
13200	0.009
13260	0.007
13320	0.002
13380	0
13440	0.002
13500	0.002
13560	0.002
13620	0.001
13680	0.001
13740	0
13800	0.001
13860	0.008
13920	0.008
13980	0.002
14040	0.004
14100	0.001
14160	0
14220	0
14280	0.001
14340	0.002
14400	0.001
14460	0.004
14520	0.021
14580	0.024
14640	0.012
14700	0.009
14760	0.001
14820	0
14880	-0.002
14940	-0.002
15000	0.004
15060	0
15120	0
15180	0.001
15240	0
15300	0
15360	-0.001
15420	0
15480	0
15540	0
15600	0
15660	-0.001
15720	-0.002

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

18600	-0.002
18660	-0.003
18720	-0.003
18780	-0.003
18840	-0.003
18900	-0.002
18960	-0.001
19020	-0.002
19080	-0.002
19140	-0.001
19200	-0.001
19260	-0.002
19320	-0.001
19380	-0.001
19440	-0.002
19500	-0.002
19560	0
19620	-0.001
19680	0
19740	0
19800	0
19860	-0.001
19920	-0.002
19980	-0.002
20040	-0.002
20100	-0.002
20160	0.001
20220	0.004
20280	0.012
20340	0.016
20400	0.008
20460	0
20520	-0.002
20580	-0.002
20640	-0.001
20700	0
20760	-0.001
20820	0
20880	0.001
20940	0.005
21000	0.001
21060	-0.001
21120	0.001
21180	0
21240	0.002
21300	0.002
21360	0.001

21420	0.002
21480	0
37294	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530102611
Firmware Version	3.4
Calibration Date	3/22/2016
Test Name	MANUAL_005
Test Start Time	8:33:56 AM
Test Start Date	6/25/2019
Test Length [D:H:M]	0:06:06
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.049
Mass Minimum [mg/m3]	0.016
Mass Maximum [mg/m3]	0.227
Mass TWA [mg/m3]	0.038
Photometric User Cal	1.22
Flow User Cal	0
Errors	
Number of Samples	366

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.029		
120	0.023		
180	0.023		
240	0.026		
300	0.026		
360	0.023		
420	0.021		
480	0.02		
540	0.021		
600	0.02		
660	0.018		
720	0.018		
780	0.018		
840	0.021		
900	0.019		
960	0.021		
1020	0.02		
1080	0.022		
1140	0.018		
1200	0.016		
1260	0.016		
1320	0.017		
1380	0.017		
1440	0.017		
1500	0.018		
1560	0.018		
1620	0.019		

1680	0.019
1740	0.019
1800	0.019
1860	0.019
1920	0.018
1980	0.018
2040	0.017
2100	0.017
2160	0.018
2220	0.019
2280	0.019
2340	0.018
2400	0.02
2460	0.021
2520	0.02
2580	0.02
2640	0.02
2700	0.019
2760	0.019
2820	0.019
2880	0.019
2940	0.019
3000	0.019
3060	0.018
3120	0.018
3180	0.019
3240	0.02
3300	0.018
3360	0.018
3420	0.018
3480	0.02
3540	0.02
3600	0.019
3660	0.02
3720	0.02
3780	0.02
3840	0.022
3900	0.022
3960	0.023
4020	0.024
4080	0.022
4140	0.021
4200	0.022
4260	0.024
4320	0.025
4380	0.026
4440	0.023

4500	0.023
4560	0.025
4620	0.024
4680	0.023
4740	0.022
4800	0.025
4860	0.032
4920	0.05
4980	0.033
5040	0.025
5100	0.025
5160	0.024
5220	0.026
5280	0.026
5340	0.027
5400	0.027
5460	0.027
5520	0.028
5580	0.028
5640	0.027
5700	0.028
5760	0.027
5820	0.028
5880	0.029
5940	0.028
6000	0.029
6060	0.031
6120	0.03
6180	0.033
6240	0.03
6300	0.036
6360	0.029
6420	0.032
6480	0.03
6540	0.033
6600	0.033
6660	0.031
6720	0.032
6780	0.033
6840	0.032
6900	0.033
6960	0.031
7020	0.032
7080	0.032
7140	0.033
7200	0.032
7260	0.034

7320	0.032
7380	0.032
7440	0.033
7500	0.034
7560	0.031
7620	0.032
7680	0.035
7740	0.035
7800	0.035
7860	0.036
7920	0.038
7980	0.038
8040	0.039
8100	0.039
8160	0.038
8220	0.038
8280	0.04
8340	0.041
8400	0.04
8460	0.043
8520	0.101
8580	0.054
8640	0.046
8700	0.054
8760	0.052
8820	0.051
8880	0.049
8940	0.05
9000	0.049
9060	0.049
9120	0.05
9180	0.05
9240	0.051
9300	0.052
9360	0.052
9420	0.053
9480	0.055
9540	0.056
9600	0.055
9660	0.057
9720	0.056
9780	0.057
9840	0.057
9900	0.06
9960	0.057
10020	0.058
10080	0.059

10140	0.062
10200	0.062
10260	0.062
10320	0.063
10380	0.062
10440	0.061
10500	0.061
10560	0.06
10620	0.063
10680	0.062
10740	0.06
10800	0.059
10860	0.06
10920	0.064
10980	0.066
11040	0.074
11100	0.076
11160	0.068
11220	0.072
11280	0.073
11340	0.076
11400	0.072
11460	0.075
11520	0.069
11580	0.067
11640	0.072
11700	0.079
11760	0.069
11820	0.064
11880	0.068
11940	0.068
12000	0.067
12060	0.068
12120	0.068
12180	0.068
12240	0.07
12300	0.069
12360	0.07
12420	0.07
12480	0.069
12540	0.071
12600	0.071
12660	0.071
12720	0.074
12780	0.078
12840	0.079
12900	0.078

12960	0.077
13020	0.074
13080	0.074
13140	0.073
13200	0.078
13260	0.079
13320	0.082
13380	0.075
13440	0.074
13500	0.074
13560	0.074
13620	0.078
13680	0.078
13740	0.07
13800	0.07
13860	0.066
13920	0.069
13980	0.067
14040	0.07
14100	0.077
14160	0.075
14220	0.075
14280	0.075
14340	0.076
14400	0.072
14460	0.074
14520	0.073
14580	0.077
14640	0.082
14700	0.08
14760	0.067
14820	0.064
14880	0.062
14940	0.062
15000	0.061
15060	0.061
15120	0.056
15180	0.057
15240	0.057
15300	0.061
15360	0.065
15420	0.074
15480	0.077
15540	0.064
15600	0.067
15660	0.064
15720	0.065

15780	0.067
15840	0.067
15900	0.071
15960	0.069
16020	0.067
16080	0.064
16140	0.064
16200	0.062
16260	0.071
16320	0.08
16380	0.073
16440	0.055
16500	0.065
16560	0.063
16620	0.06
16680	0.057
16740	0.055
16800	0.057
16860	0.061
16920	0.066
16980	0.067
17040	0.063
17100	0.06
17160	0.062
17220	0.063
17280	0.062
17340	0.058
17400	0.056
17460	0.053
17520	0.052
17580	0.053
17640	0.054
17700	0.057
17760	0.057
17820	0.059
17880	0.058
17940	0.059
18000	0.056
18060	0.054
18120	0.054
18180	0.054
18240	0.057
18300	0.053
18360	0.052
18420	0.061
18480	0.058
18540	0.054

18600	0.051
18660	0.053
18720	0.056
18780	0.073
18840	0.176
18900	0.227
18960	0.084
19020	0.068
19080	0.06
19140	0.06
19200	0.057
19260	0.055
19320	0.053
19380	0.054
19440	0.055
19500	0.059
19560	0.062
19620	0.06
19680	0.056
19740	0.058
19800	0.059
19860	0.061
19920	0.059
19980	0.06
20040	0.06
20100	0.059
20160	0.063
20220	0.061
20280	0.062
20340	0.059
20400	0.057
20460	0.059
20520	0.057
20580	0.059
20640	0.063
20700	0.064
20760	0.066
20820	0.065
20880	0.062
20940	0.06
21000	0.062
21060	0.061
21120	0.059
21180	0.057
21240	0.06
21300	0.07
21360	0.075

21420	0.058
21480	0.051
21540	0.046
21600	0.048
21660	0.048
21720	0.046
21780	0.042
21840	0.047
21900	0.039
21960	0.037

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530102611
Firmware Version	3.4
Calibration Date	3/22/2016
Test Name	MANUAL_006
Test Start Time	8:19:07 AM
Test Start Date	6/26/2019
Test Length [D:H:M]	0:06:28
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.02
Mass Minimum [mg/m3]	-0.005
Mass Maximum [mg/m3]	0.264
Mass TWA [mg/m3]	0.016
Photometric User Cal	1.22
Flow User Cal	0
Errors	
Number of Samples	388

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.021		
120	0.016		
180	0.019		
240	0.024		
300	0.023		
360	0.02		
420	0.016		
480	0.013		
540	0.013		
600	0.018		
660	0.023		
720	0.025		
780	0.021		
840	0.025		
900	0.033		
960	0.027		
1020	0.022		
1080	0.021		
1140	0.02		
1200	0.019		
1260	0.018		
1320	0.023		
1380	0.023		
1440	0.02		
1500	0.02		
1560	0.021		
1620	0.024		

1680	0.021
1740	0.016
1800	0.028
1860	0.019
1920	0.018
1980	0.017
2040	0.017
2100	0.019
2160	0.014
2220	0.025
2280	0.04
2340	0.024
2400	0.021
2460	0.019
2520	0.019
2580	0.017
2640	0.018
2700	0.025
2760	0.021
2820	0.018
2880	0.017
2940	0.02
3000	0.018
3060	0.023
3120	0.024
3180	0.015
3240	0.02
3300	0.019
3360	0.016
3420	0.02
3480	0.019
3540	0.019
3600	0.018
3660	0.015
3720	0.019
3780	0.018
3840	0.026
3900	0.024
3960	0.032
4020	0.028
4080	0.034
4140	0.026
4200	0.036
4260	0.029
4320	0.02
4380	0.019
4440	0.021

4500	0.013
4560	0.018
4620	0.019
4680	0.039
4740	0.035
4800	0.029
4860	0.017
4920	0.016
4980	0.02
5040	0.033
5100	0.039
5160	0.016
5220	0.017
5280	0.015
5340	0.016
5400	0.013
5460	0.015
5520	0.012
5580	0.015
5640	0.016
5700	0.015
5760	0.02
5820	0.02
5880	0.021
5940	0.024
6000	0.02
6060	0.013
6120	0.011
6180	0.018
6240	0.03
6300	0.025
6360	0.023
6420	0.03
6480	0.024
6540	0.015
6600	0.015
6660	0.027
6720	0.02
6780	0.016
6840	0.016
6900	0.019
6960	0.016
7020	0.014
7080	0.014
7140	0.012
7200	0.011
7260	0.019

7320	0.017
7380	0.034
7440	0.034
7500	0.02
7560	0.024
7620	0.023
7680	0.028
7740	0.019
7800	0.015
7860	0.016
7920	0.023
7980	0.019
8040	0.016
8100	0.037
8160	0.085
8220	0.039
8280	0.038
8340	0.044
8400	0.03
8460	0.028
8520	0.044
8580	0.056
8640	0.019
8700	0.01
8760	0.014
8820	0.022
8880	0.015
8940	0.01
9000	0.009
9060	0.048
9120	0.076
9180	0.035
9240	0.028
9300	0.013
9360	0.033
9420	0.033
9480	0.066
9540	0.071
9600	0.046
9660	0.036
9720	0.023
9780	0.03
9840	0.022
9900	0.032
9960	0.037
10020	0.043
10080	0.042

10140	0.023
10200	0.027
10260	0.038
10320	0.037
10380	0.024
10440	0.036
10500	0.035
10560	0.033
10620	0.062
10680	0.043
10740	0.03
10800	0.041
10860	0.037
10920	0.038
10980	0.027
11040	0.023
11100	0.022
11160	0.029
11220	0.032
11280	0.011
11340	0.022
11400	0.034
11460	0.019
11520	0.017
11580	0.035
11640	0.038
11700	0.04
11760	0.065
11820	0.037
11880	0.016
11940	0.024
12000	0.014
12060	0.039
12120	0.023
12180	0.025
12240	0.025
12300	0.037
12360	0.02
12420	0.013
12480	0.036
12540	0.034
12600	0.039
12660	0.05
12720	0.052
12780	0.158
12840	0.016
12900	0.01

12960	0.02
13020	0.014
13080	0.022
13140	0.031
13200	0.036
13260	0.032
13320	0.018
13380	0.035
13440	0.02
13500	0.013
13560	0.026
13620	0.013
13680	0.013
13740	0.011
13800	0.011
13860	0.011
13920	0.011
13980	0.01
14040	0.013
14100	0.021
14160	0.023
14220	0.033
14280	0.015
14340	0.009
14400	0.012
14460	0.014
14520	0.046
14580	0.013
14640	0.023
14700	0.025
14760	0.021
14820	0.027
14880	0.019
14940	0.014
15000	0.016
15060	0.009
15120	0.012
15180	0.015
15240	0.019
15300	0.012
15360	0.03
15420	0.01
15480	0.009
15540	0.016
15600	0.015
15660	0.015
15720	0.024

15780	0.025
15840	0.017
15900	0.021
15960	0.017
16020	0.011
16080	0.013
16140	0.01
16200	0.009
16260	0.013
16320	0.012
16380	0.01
16440	0.005
16500	0.008
16560	0.009
16620	0.01
16680	0.008
16740	0.014
16800	0.011
16860	0.003
16920	0.008
16980	0.012
17040	0.02
17100	0.01
17160	0.007
17220	0.008
17280	0.003
17340	0.007
17400	0.004
17460	0.009
17520	0.006
17580	0.002
17640	0.007
17700	0.003
17760	0.018
17820	0.022
17880	0.001
17940	0.001
18000	0.001
18060	0
18120	0.002
18180	0.002
18240	0.003
18300	0.007
18360	0.002
18420	0.005
18480	0.016
18540	0.006

18600	0.007
18660	0.017
18720	0.005
18780	0.001
18840	0.028
18900	0.048
18960	0.014
19020	0.009
19080	0
19140	0
19200	0
19260	0.011
19320	0.024
19380	0.014
19440	0.013
19500	0.002
19560	0
19620	0
19680	0.001
19740	0.014
19800	0.004
19860	0.003
19920	0.003
19980	0.005
20040	0
20100	0.003
20160	-0.001
20220	-0.001
20280	0.017
20340	0
20400	0
20460	0.264
20520	0.134
20580	0.022
20640	0.002
20700	-0.001
20760	0
20820	-0.002
20880	0
20940	0
21000	0.017
21060	-0.001
21120	-0.003
21180	-0.001
21240	0.004
21300	0.005
21360	0.006

21420	0.007
21480	-0.002
21540	0
21600	0.001
21660	0.006
21720	0
21780	-0.002
21840	-0.003
21900	-0.003
21960	-0.003
22020	-0.003
22080	-0.004
22140	-0.004
22200	-0.005
22260	-0.005
22320	0.011
22380	0.008
22440	-0.002
22500	-0.005
22560	-0.004
22620	-0.002
22680	0
22740	0.02
22800	0.005
22860	-0.001
22920	-0.001
22980	-0.003
23040	0.004
23100	-0.002
23160	-0.003
23220	-0.002
23280	-0.002

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530102611
Firmware Version	3.4
Calibration Date	3/22/2016
Test Name	MANUAL_007
Test Start Time	8:41:08 AM
Test Start Date	6/27/2019
Test Length [D:H:M]	0:04:47
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.016
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.065
Mass TWA [mg/m3]	0.009
Photometric User Cal	1.22
Flow User Cal	0
Errors	
Number of Samples	287

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.034		
120	0.022		
180	0.031		
240	0.031		
300	0.022		
360	0.02		
420	0.019		
480	0.021		
540	0.045		
600	0.044		
660	0.046		
720	0.037		
780	0.03		
840	0.036		
900	0.028		
960	0.029		
1020	0.026		
1080	0.027		
1140	0.023		
1200	0.02		
1260	0.02		
1320	0.023		
1380	0.021		
1440	0.02		
1500	0.018		
1560	0.029		
1620	0.029		

1680	0.039
1740	0.028
1800	0.042
1860	0.04
1920	0.023
1980	0.023
2040	0.023
2100	0.025
2160	0.021
2220	0.018
2280	0.017
2340	0.017
2400	0.033
2460	0.023
2520	0.012
2580	0.015
2640	0.025
2700	0.021
2760	0.015
2820	0.017
2880	0.018
2940	0.019
3000	0.025
3060	0.017
3120	0.018
3180	0.012
3240	0.01
3300	0.014
3360	0.015
3420	0.014
3480	0.021
3540	0.015
3600	0.028
3660	0.02
3720	0.035
3780	0.055
3840	0.036
3900	0.022
3960	0.021
4020	0.023
4080	0.017
4140	0.017
4200	0.026
4260	0.036
4320	0.052
4380	0.065
4440	0.039

4500	0.024
4560	0.028
4620	0.016
4680	0.014
4740	0.017
4800	0.025
4860	0.019
4920	0.022
4980	0.031
5040	0.052
5100	0.034
5160	0.025
5220	0.015
5280	0.018
5340	0.03
5400	0.025
5460	0.026
5520	0.02
5580	0.02
5640	0.011
5700	0.014
5760	0.019
5820	0.021
5880	0.019
5940	0.016
6000	0.012
6060	0.013
6120	0.017
6180	0.015
6240	0.027
6300	0.036
6360	0.02
6420	0.032
6480	0.028
6540	0.029
6600	0.016
6660	0.024
6720	0.026
6780	0.022
6840	0.019
6900	0.029
6960	0.032
7020	0.023
7080	0.018
7140	0.018
7200	0.029
7260	0.026

7320	0.024
7380	0.02
7440	0.021
7500	0.021
7560	0.024
7620	0.014
7680	0.021
7740	0.03
7800	0.017
7860	0.016
7920	0.022
7980	0.025
8040	0.021
8100	0.009
8160	0.016
8220	0.021
8280	0.017
8340	0.017
8400	0.016
8460	0.019
8520	0.013
8580	0.019
8640	0.024
8700	0.019
8760	0.006
8820	0.009
8880	0.006
8940	0.01
9000	0.013
9060	0.012
9120	0.02
9180	0.019
9240	0.014
9300	0.013
9360	0.011
9420	0.025
9480	0.014
9540	0.017
9600	0.016
9660	0.007
9720	0.007
9780	0.006
9840	0.01
9900	0.014
9960	0.015
10020	0.025
10080	0.011

10140	0.01
10200	0.016
10260	0.017
10320	0.006
10380	0.013
10440	0.006
10500	0.012
10560	0.009
10620	0.008
10680	0.007
10740	0.003
10800	0.004
10860	0.018
10920	0.003
10980	0.01
11040	0.005
11100	0.004
11160	0.001
11220	0.006
11280	0.002
11340	0.002
11400	0.001
11460	0.004
11520	0.004
11580	0.002
11640	0
11700	0.001
11760	0
11820	0.005
11880	0.008
11940	0.002
12000	0.002
12060	0.002
12120	0.001
12180	0.001
12240	0.012
12300	0.003
12360	0.002
12420	0.003
12480	0.004
12540	0
12600	0.001
12660	0.003
12720	0.002
12780	0.002
12840	0.003
12900	0.004

12960	0.002
13020	0.006
13080	0.015
13140	0.009
13200	0.01
13260	0.01
13320	0.008
13380	0.003
13440	0.008
13500	0.006
13560	0.005
13620	0.006
13680	0.009
13740	0.006
13800	0.004
13860	0
13920	0.001
13980	0.001
14040	0.011
14100	0.006
14160	0.005
14220	0.009
14280	0.007
14340	0.006
14400	0.004
14460	0.008
14520	0.009
14580	0.002
14640	0.001
14700	0
14760	0
14820	0.003
14880	0.018
14940	0.001
15000	0
15060	0
15120	0.003
15180	0.015
15240	0
15300	0.004
15360	0.006
15420	0.011
15480	0.009
15540	0.012
15600	0.012
15660	0.001
15720	0.002

15780	0.006
15840	0.005
15900	0.006
15960	0.011
16020	0.005
16080	0.001
16140	0.001
16200	0.004
16260	0.011
16320	0.025
16380	0.014
16440	0.004
16500	0.003
16560	0.003
16620	0.008
16680	0.019
16740	0.008
16800	0.011
16860	0.012
16920	0.004
16980	0.013
17040	0.007
17100	0.006
17160	0
17220	0.005

甑==========
19/04/03 20:14
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/3/2019 20:14:33
End 4/3/2019 20:15:10
Sample Period(s) 30
Number of Records 1

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/2/2019 08:00
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)	
001	4/3/2019 20:15:03	0.0	0.6	2.5	0.0	
Peak		0.0	0.6	2.5	0.0	
Min		0.0	0.6	2.5	0.0	
Average		0.0	0.6	2.5	0.0	

****
TWA/STEL

	PID(ppm)	PID(ppm)

```
Index   Date/Time       (TWA)   (STEL)
001     4/3/2019 20:15:03       0.0     ---
甑============================================================
19/04/04 15:41
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver       V2.16
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Menu Mode
------------------------------------------------------------
Site ID PES00000
User ID PES00000
------------------------------------------------------------
Begin   4/4/2019 15:41:58
End     4/4/2019 15:42:05
Sample Period(s)        30
Number of Records       0
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S0?3030298V9
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      100.0
TWA Alarm       50.0
Measurement Gas Isobutylene
Calibration Time        4/2/2019 08:00

************************************************************
Datalog

0 record.

甑============================================================
19/04/04 16:07
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver       V2.16
```

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

Site ID PES00000
User ID PES00000

Begin 4/4/2019 16:07:29
End 4/4/2019 20:56:05
Sample Period(s) 30
Number of Records 577

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/2/2019 08:00
Peak 2.9
Min 0.0
Average 0.0

****

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/4/2019 16:07:59	0.0	0.0	0.0	0.0
002	4/4/2019 16:08:29	0.0	0.0	0.0	0.0
003	4/4/2019 16:08:59	0.0	0.0	0.0	0.0
004	4/4/2019 16:09:29	0.0	0.0	0.0	0.0
005	4/4/2019 16:09:59	0.0	0.0	0.0	0.0
006	4/4/2019 16:10:29	0.0	0.0	0.0	0.0
007	4/4/2019 16:10:59	0.0	0.0	0.0	0.0
008	4/4/2019 16:11:29	0.0	0.0	0.0	0.0
009	4/4/2019 16:11:59	0.0	0.0	0.0	0.0
010	4/4/2019 16:12:29	0.0	0.0	0.0	0.0
011	4/4/2019 16:12:59	0.0	0.0	0.0	0.0
012	4/4/2019 16:13:29	0.0	0.1	0.4	0.0
013	4/4/2019 16:13:59	0.0	0.7	2.6	0.5
014	4/4/2019 16:14:29	0.1	0.8	2.9	2.9
015	4/4/2019 16:14:59	0.0	0.2	3.0	0.0
016	4/4/2019 16:15:29	0.0	0.0	0.0	0.0

017	4/4/2019 16:15:59	0.0	0.0	0.0	0.0
018	4/4/2019 16:16:29	0.0	0.0	0.0	0.0
019	4/4/2019 16:16:59	0.0	0.0	0.0	0.0
020	4/4/2019 16:17:29	0.0	0.0	0.0	0.0
021	4/4/2019 16:17:59	0.0	0.0	0.0	0.0
022	4/4/2019 16:18:29	0.0	0.0	0.0	0.0
023	4/4/2019 16:18:59	0.0	0.0	0.0	0.0
024	4/4/2019 16:19:29	0.0	0.0	0.0	0.0
025	4/4/2019 16:19:59	0.0	0.0	0.0	0.0
026	4/4/2019 16:20:29	0.0	0.0	0.0	0.0
027	4/4/2019 16:20:59	0.0	0.0	0.0	0.0
028	4/4/2019 16:21:29	0.0	0.0	0.0	0.0
029	4/4/2019 16:21:59	0.0	0.0	0.0	0.0
030	4/4/2019 16:22:29	0.0	0.0	0.0	0.0
031	4/4/2019 16:22:59	0.0	0.0	0.0	0.0
032	4/4/2019 16:23:29	0.0	0.0	0.0	0.0
033	4/4/2019 16:23:59	0.0	0.0	0.0	0.0
034	4/4/2019 16:24:29	0.0	0.0	0.0	0.0
035	4/4/2019 16:24:59	0.0	0.0	0.0	0.0
036	4/4/2019 16:25:29	0.0	0.0	0.0	0.0
037	4/4/2019 16:25:59	0.0	0.0	0.0	0.0
038	4/4/2019 16:26:29	0.0	0.0	0.0	0.0
039	4/4/2019 16:26:59	0.0	0.0	0.0	0.0
040	4/4/2019 16:27:29	0.0	0.0	0.0	0.0
041	4/4/2019 16:27:59	0.0	0.0	0.0	0.0
042	4/4/2019 16:28:29	0.0	0.0	0.0	0.0
043	4/4/2019 16:28:59	0.0	0.0	0.0	0.0
044	4/4/2019 16:29:29	0.0	0.0	0.0	0.0
045	4/4/2019 16:29:59	0.0	0.0	0.0	0.0
046	4/4/2019 16:30:29	0.0	0.0	0.0	0.0
047	4/4/2019 16:30:59	0.0	0.0	0.0	0.0
048	4/4/2019 16:31:29	0.0	0.0	0.0	0.0
049	4/4/2019 16:31:59	0.0	0.0	0.0	0.0
050	4/4/2019 16:32:29	0.0	0.0	0.0	0.0
051	4/4/2019 16:32:59	0.0	0.0	0.0	0.0
052	4/4/2019 16:33:29	0.0	0.0	0.0	0.0
053	4/4/2019 16:33:59	0.0	0.0	0.0	0.0
054	4/4/2019 16:34:29	0.0	0.0	0.0	0.0
055	4/4/2019 16:34:59	0.0	0.0	0.0	0.0
056	4/4/2019 16:35:29	0.0	0.0	0.0	0.0
057	4/4/2019 16:35:59	0.0	0.0	0.0	0.0
058	4/4/2019 16:36:29	0.0	0.0	0.0	0.0
059	4/4/2019 16:36:59	0.0	0.0	0.0	0.0
060	4/4/2019 16:37:29	0.0	0.0	0.0	0.0
061	4/4/2019 16:37:59	0.0	0.0	0.0	0.0
062	4/4/2019 16:38:29	0.0	0.0	0.0	0.0
063	4/4/2019 16:38:59	0.0	0.0	0.0	0.0
064	4/4/2019 16:39:29	0.0	0.0	0.0	0.0
065	4/4/2019 16:39:59	0.0	0.0	0.0	0.0
066	4/4/2019 16:40:29	0.0	0.0	0.0	0.0

067	4/4/2019 16:40:59	0.0	0.0	0.0	0.0
068	4/4/2019 16:41:29	0.0	0.0	0.0	0.0
069	4/4/2019 16:41:59	0.0	0.0	0.0	0.0
070	4/4/2019 16:42:29	0.0	0.0	0.0	0.0
071	4/4/2019 16:42:59	0.0	0.0	0.0	0.0
072	4/4/2019 16:43:29	0.0	0.0	0.0	0.0
073	4/4/2019 16:43:59	0.0	0.0	0.0	0.0
074	4/4/2019 16:44:29	0.0	0.0	0.0	0.0
075	4/4/2019 16:44:59	0.0	0.0	0.0	0.0
076	4/4/2019 16:45:29	0.0	0.0	0.0	0.0
077	4/4/2019 16:45:59	0.0	0.0	0.0	0.0
078	4/4/2019 16:46:29	0.0	0.0	0.0	0.0
079	4/4/2019 16:46:59	0.0	0.0	0.0	0.0
080	4/4/2019 16:47:29	0.0	0.0	0.0	0.0
081	4/4/2019 16:47:59	0.0	0.0	0.0	0.0
082	4/4/2019 16:48:29	0.0	0.0	0.0	0.0
083	4/4/2019 16:48:59	0.0	0.0	0.0	0.0
084	4/4/2019 16:49:29	0.0	0.0	0.0	0.0
085	4/4/2019 16:49:59	0.0	0.0	0.0	0.0
086	4/4/2019 16:50:29	0.0	0.0	0.0	0.0
087	4/4/2019 16:50:59	0.0	0.0	0.0	0.0
088	4/4/2019 16:51:29	0.0	0.0	0.0	0.0
089	4/4/2019 16:51:59	0.0	0.0	0.0	0.0
090	4/4/2019 16:52:29	0.0	0.0	0.0	0.0
091	4/4/2019 16:52:59	0.0	0.0	0.0	0.0
092	4/4/2019 16:53:29	0.0	0.0	0.0	0.0
093	4/4/2019 16:53:59	0.0	0.0	0.0	0.0
094	4/4/2019 16:54:29	0.0	0.0	0.0	0.0
095	4/4/2019 16:54:59	0.0	0.0	0.0	0.0
096	4/4/2019 16:55:29	0.0	0.0	0.0	0.0
097	4/4/2019 16:55:59	0.0	0.0	0.0	0.0
098	4/4/2019 16:56:29	0.0	0.0	0.0	0.0
099	4/4/2019 16:56:59	0.0	0.0	0.0	0.0
100	4/4/2019 16:57:29	0.0	0.0	0.0	0.0
101	4/4/2019 16:57:59	0.0	0.0	0.0	0.0
102	4/4/2019 16:58:29	0.0	0.0	0.0	0.0
103	4/4/2019 16:58:59	0.0	0.0	0.0	0.0
104	4/4/2019 16:59:29	0.0	0.0	0.0	0.0
105	4/4/2019 16:59:59	0.0	0.0	0.0	0.0
106	4/4/2019 17:00:29	0.0	0.0	0.0	0.0
107	4/4/2019 17:00:59	0.0	0.0	0.0	0.0
108	4/4/2019 17:01:29	0.0	0.0	0.0	0.0
109	4/4/2019 17:01:59	0.0	0.0	0.0	0.0
110	4/4/2019 17:02:29	0.0	0.0	0.0	0.0
111	4/4/2019 17:02:59	0.0	0.0	0.0	0.0
112	4/4/2019 17:03:29	0.0	0.0	0.0	0.0
113	4/4/2019 17:03:59	0.0	0.0	0.0	0.0
114	4/4/2019 17:04:29	0.0	0.0	0.0	0.0
115	4/4/2019 17:04:59	0.0	0.0	0.0	0.0
116	4/4/2019 17:05:29	0.0	0.0	0.0	0.0

117	4/4/2019 17:05:59	0.0	0.0	0.0	0.0
118	4/4/2019 17:06:29	0.0	0.0	0.0	0.0
119	4/4/2019 17:06:59	0.0	0.0	0.0	0.0
120	4/4/2019 17:07:29	0.0	0.0	0.0	0.0
121	4/4/2019 17:07:59	0.0	0.0	0.0	0.0
122	4/4/2019 17:08:29	0.0	0.0	0.0	0.0
123	4/4/2019 17:08:59	0.0	0.0	0.0	0.0
124	4/4/2019 17:09:29	0.0	0.0	0.0	0.0
125	4/4/2019 17:09:59	0.0	0.0	0.0	0.0
126	4/4/2019 17:10:29	0.0	0.0	0.0	0.0
127	4/4/2019 17:10:59	0.0	0.0	0.0	0.0
128	4/4/2019 17:11:29	0.0	0.0	0.1	0.0
129	4/4/2019 17:11:59	0.0	0.0	0.0	0.0
130	4/4/2019 17:12:29	0.0	0.0	0.0	0.0
131	4/4/2019 17:12:59	0.0	0.0	0.0	0.0
132	4/4/2019 17:13:29	0.0	0.0	0.0	0.0
133	4/4/2019 17:13:59	0.0	0.0	0.0	0.0
134	4/4/2019 17:14:29	0.0	0.0	0.0	0.0
135	4/4/2019 17:14:59	0.0	0.0	0.0	0.0
136	4/4/2019 17:15:29	0.0	0.0	0.0	0.0
137	4/4/2019 17:15:59	0.0	0.0	0.0	0.0
138	4/4/2019 17:16:29	0.0	0.0	0.0	0.0
139	4/4/2019 17:16:59	0.0	0.0	0.0	0.0
140	4/4/2019 17:17:29	0.0	0.0	0.0	0.0
141	4/4/2019 17:17:59	0.0	0.0	0.0	0.0
142	4/4/2019 17:18:29	0.0	0.0	0.0	0.0
143	4/4/2019 17:18:59	0.0	0.0	0.0	0.0
144	4/4/2019 17:19:29	0.0	0.0	0.0	0.0
145	4/4/2019 17:19:59	0.0	0.0	0.0	0.0
146	4/4/2019 17:20:29	0.0	0.0	0.0	0.0
147	4/4/2019 17:20:59	0.0	0.0	0.0	0.0
148	4/4/2019 17:21:29	0.0	0.0	0.0	0.0
149	4/4/2019 17:21:59	0.0	0.0	0.0	0.0
150	4/4/2019 17:22:29	0.0	0.0	0.0	0.0
151	4/4/2019 17:22:59	0.0	0.0	0.0	0.0
152	4/4/2019 17:23:29	0.0	0.0	0.0	0.0
153	4/4/2019 17:23:59	0.0	0.0	0.0	0.0
154	4/4/2019 17:24:29	0.0	0.0	0.0	0.0
155	4/4/2019 17:24:59	0.0	0.0	0.0	0.0
156	4/4/2019 17:25:29	0.0	0.0	0.0	0.0
157	4/4/2019 17:25:59	0.0	0.0	0.0	0.0
158	4/4/2019 17:26:29	0.0	0.0	0.0	0.0
159	4/4/2019 17:26:59	0.0	0.0	0.0	0.0
160	4/4/2019 17:27:29	0.0	0.0	0.0	0.0
161	4/4/2019 17:27:59	0.0	0.0	0.0	0.0
162	4/4/2019 17:28:29	0.0	0.0	0.0	0.0
163	4/4/2019 17:28:59	0.0	0.0	0.0	0.0
164	4/4/2019 17:29:29	0.0	0.0	0.0	0.0
165	4/4/2019 17:29:59	0.0	0.0	0.0	0.0
166	4/4/2019 17:30:29	0.0	0.0	0.0	0.0

167	4/4/2019 17:30:59	0.0	0.0	0.0	0.0
168	4/4/2019 17:31:29	0.0	0.0	0.0	0.0
169	4/4/2019 17:31:59	0.0	0.0	0.0	0.0
170	4/4/2019 17:32:29	0.0	0.0	0.0	0.0
171	4/4/2019 17:32:59	0.0	0.0	0.0	0.0
172	4/4/2019 17:33:29	0.0	0.0	0.0	0.0
173	4/4/2019 17:33:59	0.0	0.0	0.0	0.0
174	4/4/2019 17:34:29	0.0	0.0	0.0	0.0
175	4/4/2019 17:34:59	0.0	0.0	0.0	0.0
176	4/4/2019 17:35:29	0.0	0.0	0.0	0.0
177	4/4/2019 17:35:59	0.0	0.0	0.0	0.0
178	4/4/2019 17:36:29	0.0	0.0	0.0	0.0
179	4/4/2019 17:36:59	0.0	0.0	0.0	0.0
180	4/4/2019 17:37:29	0.0	0.0	0.0	0.0
181	4/4/2019 17:37:59	0.0	0.0	0.0	0.0
182	4/4/2019 17:38:29	0.0	0.0	0.0	0.0
183	4/4/2019 17:38:59	0.0	0.0	0.0	0.0
184	4/4/2019 17:39:29	0.0	0.0	0.2	0.0
185	4/4/2019 17:39:59	0.0	0.0	0.1	0.0
186	4/4/2019 17:40:29	0.0	0.0	0.1	0.0
187	4/4/2019 17:40:59	0.0	0.0	0.0	0.0
188	4/4/2019 17:41:29	0.0	0.0	0.0	0.0
189	4/4/2019 17:41:59	0.0	0.0	0.0	0.0
190	4/4/2019 17:42:29	0.0	0.0	0.0	0.0
191	4/4/2019 17:42:59	0.0	0.0	0.0	0.0
192	4/4/2019 17:43:29	0.0	0.0	0.0	0.0
193	4/4/2019 17:43:59	0.0	0.0	0.0	0.0
194	4/4/2019 17:44:29	0.0	0.0	0.0	0.0
195	4/4/2019 17:44:59	0.0	0.0	0.0	0.0
196	4/4/2019 17:45:29	0.0	0.0	0.0	0.0
197	4/4/2019 17:45:59	0.0	0.0	0.0	0.0
198	4/4/2019 17:46:29	0.0	0.0	0.0	0.0
199	4/4/2019 17:46:59	0.0	0.0	0.0	0.0
200	4/4/2019 17:47:29	0.0	0.0	0.0	0.0
201	4/4/2019 17:47:59	0.0	0.0	0.0	0.0
202	4/4/2019 17:48:29	0.0	0.0	0.0	0.0
203	4/4/2019 17:48:59	0.0	0.0	0.0	0.0
204	4/4/2019 17:49:29	0.0	0.0	0.0	0.0
205	4/4/2019 17:49:59	0.0	0.0	0.0	0.0
206	4/4/2019 17:50:29	0.0	0.0	0.0	0.0
207	4/4/2019 17:50:59	0.0	0.0	0.0	0.0
208	4/4/2019 17:51:29	0.0	0.0	0.0	0.0
209	4/4/2019 17:51:59	0.0	0.0	0.0	0.0
210	4/4/2019 17:52:29	0.0	0.0	0.0	0.0
211	4/4/2019 17:52:59	0.0	0.0	0.0	0.0
212	4/4/2019 17:53:29	0.0	0.0	0.0	0.0
213	4/4/2019 17:53:59	0.0	0.0	0.0	0.0
214	4/4/2019 17:54:29	0.0	0.0	0.0	0.0
215	4/4/2019 17:54:59	0.0	0.0	0.0	0.0
216	4/4/2019 17:55:29	0.0	0.0	0.0	0.0

217	4/4/2019 17:55:59	0.0	0.0	0.0	0.0
218	4/4/2019 17:56:29	0.0	0.0	0.0	0.0
219	4/4/2019 17:56:59	0.0	0.0	0.0	0.0
220	4/4/2019 17:57:29	0.0	0.0	0.0	0.0
221	4/4/2019 17:57:59	0.0	0.0	0.0	0.0
222	4/4/2019 17:58:29	0.0	0.0	0.0	0.0
223	4/4/2019 17:58:59	0.0	0.0	0.0	0.0
224	4/4/2019 17:59:29	0.0	0.0	0.0	0.0
225	4/4/2019 17:59:59	0.0	0.0	0.0	0.0
226	4/4/2019 18:00:29	0.0	0.0	0.0	0.0
227	4/4/2019 18:00:59	0.0	0.0	0.0	0.0
228	4/4/2019 18:01:29	0.0	0.0	0.0	0.0
229	4/4/2019 18:01:59	0.0	0.0	0.0	0.0
230	4/4/2019 18:02:29	0.0	0.0	0.0	0.0
231	4/4/2019 18:02:59	0.0	0.0	0.0	0.0
232	4/4/2019 18:03:29	0.0	0.0	0.0	0.0
233	4/4/2019 18:03:59	0.0	0.0	0.0	0.0
234	4/4/2019 18:04:29	0.0	0.0	0.0	0.0
235	4/4/2019 18:04:59	0.0	0.0	0.0	0.0
236	4/4/2019 18:05:29	0.0	0.0	0.0	0.0
237	4/4/2019 18:05:59	0.0	0.0	0.0	0.0
238	4/4/2019 18:06:29	0.0	0.0	0.0	0.0
239	4/4/2019 18:06:59	0.0	0.0	0.0	0.0
240	4/4/2019 18:07:29	0.0	0.0	0.0	0.0
241	4/4/2019 18:07:59	0.0	0.0	0.0	0.0
242	4/4/2019 18:08:29	0.0	0.0	0.0	0.0
243	4/4/2019 18:08:59	0.0	0.0	0.0	0.0
244	4/4/2019 18:09:29	0.0	0.0	0.0	0.0
245	4/4/2019 18:09:59	0.0	0.0	0.0	0.0
246	4/4/2019 18:10:29	0.0	0.0	0.0	0.0
247	4/4/2019 18:10:59	0.0	0.0	0.0	0.0
248	4/4/2019 18:11:29	0.0	0.0	0.0	0.0
249	4/4/2019 18:11:59	0.0	0.0	0.0	0.0
250	4/4/2019 18:12:29	0.0	0.0	0.0	0.0
251	4/4/2019 18:12:59	0.0	0.0	0.0	0.0
252	4/4/2019 18:13:29	0.0	0.0	0.0	0.0
253	4/4/2019 18:13:59	0.0	0.0	0.0	0.0
254	4/4/2019 18:14:29	0.0	0.0	0.0	0.0
255	4/4/2019 18:14:59	0.0	0.0	0.0	0.0
256	4/4/2019 18:15:29	0.0	0.0	0.0	0.0
257	4/4/2019 18:15:59	0.0	0.0	0.0	0.0
258	4/4/2019 18:16:29	0.0	0.0	0.0	0.0
259	4/4/2019 18:16:59	0.0	0.0	0.0	0.0
260	4/4/2019 18:17:29	0.0	0.0	0.0	0.0
261	4/4/2019 18:17:59	0.0	0.0	0.0	0.0
262	4/4/2019 18:18:29	0.0	0.0	0.0	0.0
263	4/4/2019 18:18:59	0.0	0.0	0.0	0.0
264	4/4/2019 18:19:29	0.0	0.0	0.0	0.0
265	4/4/2019 18:19:59	0.0	0.0	0.0	0.0
266	4/4/2019 18:20:29	0.0	0.0	0.0	0.0

267	4/4/2019 18:20:59	0.0	0.0	0.0	0.0
268	4/4/2019 18:21:29	0.0	0.0	0.0	0.0
269	4/4/2019 18:21:59	0.0	0.0	0.0	0.0
270	4/4/2019 18:22:29	0.0	0.0	0.0	0.0
271	4/4/2019 18:22:59	0.0	0.0	0.0	0.0
272	4/4/2019 18:23:29	0.0	0.0	0.0	0.0
273	4/4/2019 18:23:59	0.0	0.0	0.0	0.0
274	4/4/2019 18:24:29	0.0	0.0	0.0	0.0
275	4/4/2019 18:24:59	0.0	0.0	0.0	0.0
276	4/4/2019 18:25:29	0.0	0.0	0.0	0.0
277	4/4/2019 18:25:59	0.0	0.0	0.0	0.0
278	4/4/2019 18:26:29	0.0	0.0	0.0	0.0
279	4/4/2019 18:26:59	0.0	0.0	0.0	0.0
280	4/4/2019 18:27:29	0.0	0.0	0.0	0.0
281	4/4/2019 18:27:59	0.0	0.0	0.0	0.0
282	4/4/2019 18:28:29	0.0	0.0	0.0	0.0
283	4/4/2019 18:28:59	0.0	0.0	0.0	0.0
284	4/4/2019 18:29:29	0.0	0.0	0.0	0.0
285	4/4/2019 18:29:59	0.0	0.0	0.0	0.0
286	4/4/2019 18:30:29	0.0	0.0	0.0	0.0
287	4/4/2019 18:30:59	0.0	0.0	0.0	0.0
288	4/4/2019 18:31:29	0.0	0.0	0.0	0.0
289	4/4/2019 18:31:59	0.0	0.0	0.0	0.0
290	4/4/2019 18:32:29	0.0	0.0	0.0	0.0
291	4/4/2019 18:32:59	0.0	0.0	0.0	0.0
292	4/4/2019 18:33:29	0.0	0.0	0.0	0.0
293	4/4/2019 18:33:59	0.0	0.0	0.0	0.0
294	4/4/2019 18:34:29	0.0	0.0	0.0	0.0
295	4/4/2019 18:34:59	0.0	0.0	0.0	0.0
296	4/4/2019 18:35:29	0.0	0.0	0.0	0.0
297	4/4/2019 18:35:59	0.0	0.0	0.0	0.0
298	4/4/2019 18:36:29	0.0	0.0	0.0	0.0
299	4/4/2019 18:36:59	0.0	0.0	0.0	0.0
300	4/4/2019 18:37:29	0.0	0.0	0.0	0.0
301	4/4/2019 18:37:59	0.0	0.0	0.0	0.0
302	4/4/2019 18:38:29	0.0	0.0	0.0	0.0
303	4/4/2019 18:38:59	0.0	0.0	0.0	0.0
304	4/4/2019 18:39:29	0.0	0.0	0.0	0.0
305	4/4/2019 18:39:59	0.0	0.0	0.0	0.0
306	4/4/2019 18:40:29	0.0	0.0	0.0	0.0
307	4/4/2019 18:40:59	0.0	0.0	0.0	0.0
308	4/4/2019 18:41:29	0.0	0.0	0.0	0.0
309	4/4/2019 18:41:59	0.0	0.0	0.0	0.0
310	4/4/2019 18:42:29	0.0	0.0	0.0	0.0
311	4/4/2019 18:42:59	0.0	0.0	0.0	0.0
312	4/4/2019 18:43:29	0.0	0.0	0.0	0.0
313	4/4/2019 18:43:59	0.0	0.0	0.0	0.0
314	4/4/2019 18:44:29	0.0	0.0	0.0	0.0
315	4/4/2019 18:44:59	0.0	0.0	0.0	0.0
316	4/4/2019 18:45:29	0.0	0.0	0.0	0.0

317	4/4/2019 18:45:59	0.0	0.0	0.0	0.0
318	4/4/2019 18:46:29	0.0	0.0	0.0	0.0
319	4/4/2019 18:46:59	0.0	0.0	0.0	0.0
320	4/4/2019 18:47:29	0.0	0.0	0.0	0.0
321	4/4/2019 18:47:59	0.0	0.0	0.0	0.0
322	4/4/2019 18:48:29	0.0	0.0	0.0	0.0
323	4/4/2019 18:48:59	0.0	0.0	0.0	0.0
324	4/4/2019 18:49:29	0.0	0.0	0.0	0.0
325	4/4/2019 18:49:59	0.0	0.0	0.0	0.0
326	4/4/2019 18:50:29	0.0	0.0	0.0	0.0
327	4/4/2019 18:50:59	0.0	0.0	0.0	0.0
328	4/4/2019 18:51:29	0.0	0.0	0.0	0.0
329	4/4/2019 18:51:59	0.0	0.0	0.0	0.0
330	4/4/2019 18:52:29	0.0	0.0	0.0	0.0
331	4/4/2019 18:52:59	0.0	0.0	0.0	0.0
332	4/4/2019 18:53:29	0.0	0.0	0.0	0.0
333	4/4/2019 18:53:59	0.0	0.0	0.0	0.0
334	4/4/2019 18:54:29	0.0	0.0	0.0	0.0
335	4/4/2019 18:54:59	0.0	0.0	0.0	0.0
336	4/4/2019 18:55:29	0.0	0.0	0.0	0.0
337	4/4/2019 18:55:59	0.0	0.0	0.1	0.0
338	4/4/2019 18:56:29	0.0	0.0	0.0	0.0
339	4/4/2019 18:56:59	0.0	0.0	0.0	0.0
340	4/4/2019 18:57:29	0.0	0.0	0.0	0.0
341	4/4/2019 18:57:59	0.0	0.0	0.0	0.0
342	4/4/2019 18:58:29	0.0	0.0	0.0	0.0
343	4/4/2019 18:58:59	0.0	0.0	0.0	0.0
344	4/4/2019 18:59:29	0.0	0.0	0.0	0.0
345	4/4/2019 18:59:59	0.0	0.0	0.0	0.0
346	4/4/2019 19:00:29	0.0	0.0	0.0	0.0
347	4/4/2019 19:00:59	0.0	0.0	0.0	0.0
348	4/4/2019 19:01:29	0.0	0.0	0.0	0.0
349	4/4/2019 19:01:59	0.0	0.0	0.0	0.0
350	4/4/2019 19:02:29	0.0	0.0	0.0	0.0
351	4/4/2019 19:02:59	0.0	0.0	0.0	0.0
352	4/4/2019 19:03:29	0.0	0.0	0.0	0.0
353	4/4/2019 19:03:59	0.0	0.0	0.0	0.0
354	4/4/2019 19:04:29	0.0	0.0	0.0	0.0
355	4/4/2019 19:04:59	0.0	0.0	0.0	0.0
356	4/4/2019 19:05:29	0.0	0.0	0.0	0.0
357	4/4/2019 19:05:59	0.0	0.0	0.0	0.0
358	4/4/2019 19:06:29	0.0	0.0	0.0	0.0
359	4/4/2019 19:06:59	0.0	0.0	0.0	0.0
360	4/4/2019 19:07:29	0.0	0.0	0.0	0.0
361	4/4/2019 19:07:59	0.0	0.0	0.0	0.0
362	4/4/2019 19:08:29	0.0	0.0	0.0	0.0
363	4/4/2019 19:08:59	0.0	0.0	0.0	0.0
364	4/4/2019 19:09:29	0.0	0.0	0.0	0.0
365	4/4/2019 19:09:59	0.0	0.0	0.0	0.0
366	4/4/2019 19:10:29	0.0	0.0	0.0	0.0

367	4/4/2019 19:10:59	0.0	0.0	0.0	0.0
368	4/4/2019 19:11:29	0.0	0.0	0.0	0.0
369	4/4/2019 19:11:59	0.0	0.0	0.0	0.0
370	4/4/2019 19:12:29	0.0	0.0	0.0	0.0
371	4/4/2019 19:12:59	0.0	0.0	0.0	0.0
372	4/4/2019 19:13:29	0.0	0.0	0.0	0.0
373	4/4/2019 19:13:59	0.0	0.0	0.0	0.0
374	4/4/2019 19:14:29	0.0	0.0	0.0	0.0
375	4/4/2019 19:14:59	0.0	0.0	0.0	0.0
376	4/4/2019 19:15:29	0.0	0.0	0.0	0.0
377	4/4/2019 19:15:59	0.0	0.0	0.0	0.0
378	4/4/2019 19:16:29	0.0	0.0	0.0	0.0
379	4/4/2019 19:16:59	0.0	0.0	0.0	0.0
380	4/4/2019 19:17:29	0.0	0.0	0.0	0.0
381	4/4/2019 19:17:59	0.0	0.0	0.0	0.0
382	4/4/2019 19:18:29	0.0	0.0	0.0	0.0
383	4/4/2019 19:18:59	0.0	0.0	0.0	0.0
384	4/4/2019 19:19:29	0.0	0.0	0.0	0.0
385	4/4/2019 19:19:59	0.0	0.0	0.0	0.0
386	4/4/2019 19:20:29	0.0	0.0	0.0	0.0
387	4/4/2019 19:20:59	0.0	0.0	0.0	0.0
388	4/4/2019 19:21:29	0.0	0.0	0.0	0.0
389	4/4/2019 19:21:59	0.0	0.0	0.0	0.0
390	4/4/2019 19:22:29	0.0	0.0	0.0	0.0
391	4/4/2019 19:22:59	0.0	0.0	0.0	0.0
392	4/4/2019 19:23:29	0.0	0.0	0.0	0.0
393	4/4/2019 19:23:59	0.0	0.0	0.0	0.0
394	4/4/2019 19:24:29	0.0	0.0	0.0	0.0
395	4/4/2019 19:24:59	0.0	0.0	0.0	0.0
396	4/4/2019 19:25:29	0.0	0.0	0.0	0.0
397	4/4/2019 19:25:59	0.0	0.0	0.0	0.0
398	4/4/2019 19:26:29	0.0	0.0	0.0	0.0
399	4/4/2019 19:26:59	0.0	0.0	0.0	0.0
400	4/4/2019 19:27:29	0.0	0.0	0.0	0.0
401	4/4/2019 19:27:59	0.0	0.0	0.0	0.0
402	4/4/2019 19:28:29	0.0	0.0	0.0	0.0
403	4/4/2019 19:28:59	0.0	0.0	0.0	0.0
404	4/4/2019 19:29:29	0.0	0.0	0.0	0.0
405	4/4/2019 19:29:59	0.0	0.0	0.0	0.0
406	4/4/2019 19:30:29	0.0	0.0	0.0	0.0
407	4/4/2019 19:30:59	0.0	0.0	0.0	0.0
408	4/4/2019 19:31:29	0.0	0.0	0.0	0.0
409	4/4/2019 19:31:59	0.0	0.0	0.0	0.0
410	4/4/2019 19:32:29	0.0	0.0	0.0	0.0
411	4/4/2019 19:32:59	0.0	0.0	0.0	0.0
412	4/4/2019 19:33:29	0.0	0.0	0.0	0.0
413	4/4/2019 19:33:59	0.0	0.0	0.0	0.0
414	4/4/2019 19:34:29	0.0	0.0	0.0	0.0
415	4/4/2019 19:34:59	0.0	0.0	0.0	0.0
416	4/4/2019 19:35:29	0.0	0.0	0.0	0.0

417	4/4/2019 19:35:59	0.0	0.0	0.0	0.0
418	4/4/2019 19:36:29	0.0	0.0	0.0	0.0
419	4/4/2019 19:36:59	0.0	0.0	0.0	0.0
420	4/4/2019 19:37:29	0.0	0.0	0.0	0.0
421	4/4/2019 19:37:59	0.0	0.0	0.0	0.0
422	4/4/2019 19:38:29	0.0	0.0	0.0	0.0
423	4/4/2019 19:38:59	0.0	0.0	0.0	0.0
424	4/4/2019 19:39:29	0.0	0.0	0.0	0.0
425	4/4/2019 19:39:59	0.0	0.0	0.0	0.0
426	4/4/2019 19:40:29	0.0	0.0	0.0	0.0
427	4/4/2019 19:40:59	0.0	0.0	0.0	0.0
428	4/4/2019 19:41:29	0.0	0.0	0.0	0.0
429	4/4/2019 19:41:59	0.0	0.0	0.0	0.0
430	4/4/2019 19:42:29	0.0	0.0	0.0	0.0
431	4/4/2019 19:42:59	0.0	0.0	0.0	0.0
432	4/4/2019 19:43:29	0.0	0.0	0.0	0.0
433	4/4/2019 19:43:59	0.0	0.0	0.0	0.0
434	4/4/2019 19:44:29	0.0	0.0	0.0	0.0
435	4/4/2019 19:44:59	0.0	0.0	0.0	0.0
436	4/4/2019 19:45:29	0.0	0.0	0.0	0.0
437	4/4/2019 19:45:59	0.0	0.0	0.0	0.0
438	4/4/2019 19:46:29	0.0	0.0	0.0	0.0
439	4/4/2019 19:46:59	0.0	0.0	0.0	0.0
440	4/4/2019 19:47:29	0.0	0.0	0.0	0.0
441	4/4/2019 19:47:59	0.0	0.0	0.0	0.0
442	4/4/2019 19:48:29	0.0	0.0	0.0	0.0
443	4/4/2019 19:48:59	0.0	0.0	0.0	0.0
444	4/4/2019 19:49:29	0.0	0.0	0.0	0.0
445	4/4/2019 19:49:59	0.0	0.0	0.0	0.0
446	4/4/2019 19:50:29	0.0	0.0	0.0	0.0
447	4/4/2019 19:50:59	0.0	0.0	0.0	0.0
448	4/4/2019 19:51:29	0.0	0.0	0.0	0.0
449	4/4/2019 19:51:59	0.0	0.0	0.0	0.0
450	4/4/2019 19:52:29	0.0	0.0	0.0	0.0
451	4/4/2019 19:52:59	0.0	0.0	0.0	0.0
452	4/4/2019 19:53:29	0.0	0.0	0.0	0.0
453	4/4/2019 19:53:59	0.0	0.0	0.0	0.0
454	4/4/2019 19:54:29	0.0	0.0	0.0	0.0
455	4/4/2019 19:54:59	0.0	0.0	0.0	0.0
456	4/4/2019 19:55:29	0.0	0.0	0.0	0.0
457	4/4/2019 19:55:59	0.0	0.0	0.0	0.0
458	4/4/2019 19:56:29	0.0	0.0	0.0	0.0
459	4/4/2019 19:56:59	0.0	0.0	0.0	0.0
460	4/4/2019 19:57:29	0.0	0.0	0.0	0.0
461	4/4/2019 19:57:59	0.0	0.0	0.0	0.0
462	4/4/2019 19:58:29	0.0	0.0	0.0	0.0
463	4/4/2019 19:58:59	0.0	0.0	0.0	0.0
464	4/4/2019 19:59:29	0.0	0.0	0.0	0.0
465	4/4/2019 19:59:59	0.0	0.0	0.0	0.0
466	4/4/2019 20:00:29	0.0	0.0	0.0	0.0

467	4/4/2019 20:00:59	0.0	0.0	0.0	0.0
468	4/4/2019 20:01:29	0.0	0.0	0.0	0.0
469	4/4/2019 20:01:59	0.0	0.0	0.0	0.0
470	4/4/2019 20:02:29	0.0	0.0	0.0	0.0
471	4/4/2019 20:02:59	0.0	0.0	0.0	0.0
472	4/4/2019 20:03:29	0.0	0.0	0.0	0.0
473	4/4/2019 20:03:59	0.0	0.0	0.0	0.0
474	4/4/2019 20:04:29	0.0	0.0	0.0	0.0
475	4/4/2019 20:04:59	0.0	0.0	0.0	0.0
476	4/4/2019 20:05:29	0.0	0.0	0.0	0.0
477	4/4/2019 20:05:59	0.0	0.0	0.0	0.0
478	4/4/2019 20:06:29	0.0	0.0	0.0	0.0
479	4/4/2019 20:06:59	0.0	0.0	0.0	0.0
480	4/4/2019 20:07:29	0.0	0.0	0.0	0.0
481	4/4/2019 20:07:59	0.0	0.0	0.0	0.0
482	4/4/2019 20:08:29	0.0	0.0	0.0	0.0
483	4/4/2019 20:08:59	0.0	0.0	0.0	0.0
484	4/4/2019 20:09:29	0.0	0.0	0.0	0.0
485	4/4/2019 20:09:59	0.0	0.0	0.0	0.0
486	4/4/2019 20:10:29	0.0	0.0	0.0	0.0
487	4/4/2019 20:10:59	0.0	0.0	0.0	0.0
488	4/4/2019 20:11:29	0.0	0.0	0.0	0.0
489	4/4/2019 20:11:59	0.0	0.0	0.0	0.0
490	4/4/2019 20:12:29	0.0	0.0	0.0	0.0
491	4/4/2019 20:12:59	0.0	0.0	0.0	0.0
492	4/4/2019 20:13:29	0.0	0.0	0.0	0.0
493	4/4/2019 20:13:59	0.0	0.0	0.0	0.0
494	4/4/2019 20:14:29	0.0	0.0	0.0	0.0
495	4/4/2019 20:14:59	0.0	0.0	0.0	0.0
496	4/4/2019 20:15:29	0.0	0.0	0.0	0.0
497	4/4/2019 20:15:59	0.0	0.0	0.0	0.0
498	4/4/2019 20:16:29	0.0	0.0	0.0	0.0
499	4/4/2019 20:16:59	0.0	0.0	0.0	0.0
500	4/4/2019 20:17:29	0.0	0.0	0.0	0.0
501	4/4/2019 20:17:59	0.0	0.0	0.0	0.0
502	4/4/2019 20:18:29	0.0	0.0	0.0	0.0
503	4/4/2019 20:18:59	0.0	0.0	0.0	0.0
504	4/4/2019 20:19:29	0.0	0.0	0.0	0.0
505	4/4/2019 20:19:59	0.0	0.0	0.0	0.0
506	4/4/2019 20:20:29	0.0	0.0	0.0	0.0
507	4/4/2019 20:20:59	0.0	0.0	0.0	0.0
508	4/4/2019 20:21:29	0.0	0.0	0.0	0.0
509	4/4/2019 20:21:59	0.0	0.0	0.0	0.0
510	4/4/2019 20:22:29	0.0	0.0	0.0	0.0
511	4/4/2019 20:22:59	0.0	0.0	0.0	0.0
512	4/4/2019 20:23:29	0.0	0.0	0.0	0.0
513	4/4/2019 20:23:59	0.0	0.0	0.0	0.0
514	4/4/2019 20:24:29	0.0	0.0	0.0	0.0
515	4/4/2019 20:24:59	0.0	0.0	0.0	0.0
516	4/4/2019 20:25:29	0.0	0.0	0.0	0.0

517	4/4/2019 20:25:59	0.0	0.0	0.0	0.0
518	4/4/2019 20:26:29	0.0	0.0	0.0	0.0
519	4/4/2019 20:26:59	0.0	0.0	0.0	0.0
520	4/4/2019 20:27:29	0.0	0.0	0.0	0.0
521	4/4/2019 20:27:59	0.0	0.0	0.0	0.0
522	4/4/2019 20:28:29	0.0	0.0	0.0	0.0
523	4/4/2019 20:28:59	0.0	0.0	0.0	0.0
524	4/4/2019 20:29:29	0.0	0.0	0.0	0.0
525	4/4/2019 20:29:59	0.0	0.0	0.0	0.0
526	4/4/2019 20:30:29	0.0	0.0	0.0	0.0
527	4/4/2019 20:30:59	0.0	0.0	0.0	0.0
528	4/4/2019 20:31:29	0.0	0.0	0.0	0.0
529	4/4/2019 20:31:59	0.0	0.0	0.0	0.0
530	4/4/2019 20:32:29	0.0	0.0	0.0	0.0
531	4/4/2019 20:32:59	0.0	0.0	0.0	0.0
532	4/4/2019 20:33:29	0.0	0.0	0.0	0.0
533	4/4/2019 20:33:59	0.0	0.0	0.0	0.0
534	4/4/2019 20:34:29	0.0	0.0	0.0	0.0
535	4/4/2019 20:34:59	0.0	0.0	0.0	0.0
536	4/4/2019 20:35:29	0.0	0.0	0.0	0.0
537	4/4/2019 20:35:59	0.0	0.0	0.0	0.0
538	4/4/2019 20:36:29	0.0	0.0	0.0	0.0
539	4/4/2019 20:36:59	0.0	0.0	0.0	0.0
540	4/4/2019 20:37:29	0.0	0.0	0.0	0.0
541	4/4/2019 20:37:59	0.0	0.0	0.0	0.0
542	4/4/2019 20:38:29	0.0	0.0	0.0	0.0
543	4/4/2019 20:38:59	0.0	0.0	0.0	0.0
544	4/4/2019 20:39:29	0.0	0.0	0.0	0.0
545	4/4/2019 20:39:59	0.0	0.0	0.0	0.0
546	4/4/2019 20:40:29	0.0	0.0	0.0	0.0
547	4/4/2019 20:40:59	0.0	0.0	0.0	0.0
548	4/4/2019 20:41:29	0.0	0.0	0.0	0.0
549	4/4/2019 20:41:59	0.0	0.0	0.0	0.0
550	4/4/2019 20:42:29	0.0	0.0	0.0	0.0
551	4/4/2019 20:42:59	0.0	0.0	0.0	0.0
552	4/4/2019 20:43:29	0.0	0.0	0.0	0.0
553	4/4/2019 20:43:59	0.0	0.0	0.0	0.0
554	4/4/2019 20:44:29	0.0	0.0	0.0	0.0
555	4/4/2019 20:44:59	0.0	0.0	0.0	0.0
556	4/4/2019 20:45:29	0.0	0.0	0.0	0.0
557	4/4/2019 20:45:59	0.0	0.0	0.0	0.0
558	4/4/2019 20:46:29	0.0	0.0	0.0	0.0
559	4/4/2019 20:46:59	0.0	0.0	0.0	0.0
560	4/4/2019 20:47:29	0.0	0.0	0.0	0.0
561	4/4/2019 20:47:59	0.0	0.0	0.0	0.0
562	4/4/2019 20:48:29	0.0	0.0	0.0	0.0
563	4/4/2019 20:48:59	0.0	0.0	0.0	0.0
564	4/4/2019 20:49:29	0.0	0.0	0.0	0.0
565	4/4/2019 20:49:59	0.0	0.0	0.0	0.0
566	4/4/2019 20:50:29	0.0	0.0	0.0	0.0

567	4/4/2019	20:50:59	0.0	0.0	0.0	0.0
568	4/4/2019	20:51:29	0.0	0.0	0.0	0.0
569	4/4/2019	20:51:59	0.0	0.0	0.0	0.0
570	4/4/2019	20:52:29	0.0	0.0	0.0	0.0
571	4/4/2019	20:52:59	0.0	0.0	0.0	0.0
572	4/4/2019	20:53:29	0.0	0.0	0.0	0.0
573	4/4/2019	20:53:59	0.0	0.0	0.0	0.0
574	4/4/2019	20:54:29	0.0	0.0	0.0	0.0
575	4/4/2019	20:54:59	0.0	0.0	0.0	0.0
576	4/4/2019	20:55:29	0.0	0.0	0.0	0.0
577	4/4/2019	20:55:59	0.0	0.0	0.0	0.0
Peak			0.1	0.8	3.0	2.9
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	4/4/2019 16:07:59	0.0	---
002	4/4/2019 16:08:29	0.0	---
003	4/4/2019 16:08:59	0.0	---
004	4/4/2019 16:09:29	0.0	---
005	4/4/2019 16:09:59	0.0	---
006	4/4/2019 16:10:29	0.0	---
007	4/4/2019 16:10:59	0.0	---
008	4/4/2019 16:11:29	0.0	---
009	4/4/2019 16:11:59	0.0	---
010	4/4/2019 16:12:29	0.0	---
011	4/4/2019 16:12:59	0.0	---
012	4/4/2019 16:13:29	0.0	---
013	4/4/2019 16:13:59	0.0	---
014	4/4/2019 16:14:29	0.0	---
015	4/4/2019 16:14:59	0.0	---
016	4/4/2019 16:15:29	0.0	---
017	4/4/2019 16:15:59	0.0	---
018	4/4/2019 16:16:29	0.0	---
019	4/4/2019 16:16:59	0.0	---
020	4/4/2019 16:17:29	0.0	---
021	4/4/2019 16:17:59	0.0	---
022	4/4/2019 16:18:29	0.0	---
023	4/4/2019 16:18:59	0.0	---
024	4/4/2019 16:19:29	0.0	---
025	4/4/2019 16:19:59	0.0	---
026	4/4/2019 16:20:29	0.0	---
027	4/4/2019 16:20:59	0.0	---
028	4/4/2019 16:21:29	0.0	---
029	4/4/2019 16:21:59	0.0	---
030	4/4/2019 16:22:29	0.0	0.1
031	4/4/2019 16:22:59	0.0	0.1

032	4/4/2019 16:23:29	0.0	0.1
033	4/4/2019 16:23:59	0.0	0.1
034	4/4/2019 16:24:29	0.0	0.1
035	4/4/2019 16:24:59	0.0	0.1
036	4/4/2019 16:25:29	0.0	0.1
037	4/4/2019 16:25:59	0.0	0.1
038	4/4/2019 16:26:29	0.0	0.1
039	4/4/2019 16:26:59	0.0	0.1
040	4/4/2019 16:27:29	0.0	0.1
041	4/4/2019 16:27:59	0.0	0.1
042	4/4/2019 16:28:29	0.0	0.1
043	4/4/2019 16:28:59	0.0	0.1
044	4/4/2019 16:29:29	0.0	0.1
045	4/4/2019 16:29:59	0.0	0.0
046	4/4/2019 16:30:29	0.0	0.0
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415	4/4/2019 19:34:59	0.0	0.0
416	4/4/2019 19:35:29	0.0	0.0
417	4/4/2019 19:35:59	0.0	0.0
418	4/4/2019 19:36:29	0.0	0.0
419	4/4/2019 19:36:59	0.0	0.0
420	4/4/2019 19:37:29	0.0	0.0
421	4/4/2019 19:37:59	0.0	0.0
422	4/4/2019 19:38:29	0.0	0.0
423	4/4/2019 19:38:59	0.0	0.0
424	4/4/2019 19:39:29	0.0	0.0
425	4/4/2019 19:39:59	0.0	0.0
426	4/4/2019 19:40:29	0.0	0.0
427	4/4/2019 19:40:59	0.0	0.0
428	4/4/2019 19:41:29	0.0	0.0
429	4/4/2019 19:41:59	0.0	0.0
430	4/4/2019 19:42:29	0.0	0.0
431	4/4/2019 19:42:59	0.0	0.0

432	4/4/2019 19:43:29	0.0	0.0
433	4/4/2019 19:43:59	0.0	0.0
434	4/4/2019 19:44:29	0.0	0.0
435	4/4/2019 19:44:59	0.0	0.0
436	4/4/2019 19:45:29	0.0	0.0
437	4/4/2019 19:45:59	0.0	0.0
438	4/4/2019 19:46:29	0.0	0.0
439	4/4/2019 19:46:59	0.0	0.0
440	4/4/2019 19:47:29	0.0	0.0
441	4/4/2019 19:47:59	0.0	0.0
442	4/4/2019 19:48:29	0.0	0.0
443	4/4/2019 19:48:59	0.0	0.0
444	4/4/2019 19:49:29	0.0	0.0
445	4/4/2019 19:49:59	0.0	0.0
446	4/4/2019 19:50:29	0.0	0.0
447	4/4/2019 19:50:59	0.0	0.0
448	4/4/2019 19:51:29	0.0	0.0
449	4/4/2019 19:51:59	0.0	0.0
450	4/4/2019 19:52:29	0.0	0.0
451	4/4/2019 19:52:59	0.0	0.0
452	4/4/2019 19:53:29	0.0	0.0
453	4/4/2019 19:53:59	0.0	0.0
454	4/4/2019 19:54:29	0.0	0.0
455	4/4/2019 19:54:59	0.0	0.0
456	4/4/2019 19:55:29	0.0	0.0
457	4/4/2019 19:55:59	0.0	0.0
458	4/4/2019 19:56:29	0.0	0.0
459	4/4/2019 19:56:59	0.0	0.0
460	4/4/2019 19:57:29	0.0	0.0
461	4/4/2019 19:57:59	0.0	0.0
462	4/4/2019 19:58:29	0.0	0.0
463	4/4/2019 19:58:59	0.0	0.0
464	4/4/2019 19:59:29	0.0	0.0
465	4/4/2019 19:59:59	0.0	0.0
466	4/4/2019 20:00:29	0.0	0.0
467	4/4/2019 20:00:59	0.0	0.0
468	4/4/2019 20:01:29	0.0	0.0
469	4/4/2019 20:01:59	0.0	0.0
470	4/4/2019 20:02:29	0.0	0.0
471	4/4/2019 20:02:59	0.0	0.0
472	4/4/2019 20:03:29	0.0	0.0
473	4/4/2019 20:03:59	0.0	0.0
474	4/4/2019 20:04:29	0.0	0.0
475	4/4/2019 20:04:59	0.0	0.0
476	4/4/2019 20:05:29	0.0	0.0
477	4/4/2019 20:05:59	0.0	0.0
478	4/4/2019 20:06:29	0.0	0.0
479	4/4/2019 20:06:59	0.0	0.0
480	4/4/2019 20:07:29	0.0	0.0
481	4/4/2019 20:07:59	0.0	0.0

482	4/4/2019 20:08:29	0.0	0.0
483	4/4/2019 20:08:59	0.0	0.0
484	4/4/2019 20:09:29	0.0	0.0
485	4/4/2019 20:09:59	0.0	0.0
486	4/4/2019 20:10:29	0.0	0.0
487	4/4/2019 20:10:59	0.0	0.0
488	4/4/2019 20:11:29	0.0	0.0
489	4/4/2019 20:11:59	0.0	0.0
490	4/4/2019 20:12:29	0.0	0.0
491	4/4/2019 20:12:59	0.0	0.0
492	4/4/2019 20:13:29	0.0	0.0
493	4/4/2019 20:13:59	0.0	0.0
494	4/4/2019 20:14:29	0.0	0.0
495	4/4/2019 20:14:59	0.0	0.0
496	4/4/2019 20:15:29	0.0	0.0
497	4/4/2019 20:15:59	0.0	0.0
498	4/4/2019 20:16:29	0.0	0.0
499	4/4/2019 20:16:59	0.0	0.0
500	4/4/2019 20:17:29	0.0	0.0
501	4/4/2019 20:17:59	0.0	0.0
502	4/4/2019 20:18:29	0.0	0.0
503	4/4/2019 20:18:59	0.0	0.0
504	4/4/2019 20:19:29	0.0	0.0
505	4/4/2019 20:19:59	0.0	0.0
506	4/4/2019 20:20:29	0.0	0.0
507	4/4/2019 20:20:59	0.0	0.0
508	4/4/2019 20:21:29	0.0	0.0
509	4/4/2019 20:21:59	0.0	0.0
510	4/4/2019 20:22:29	0.0	0.0
511	4/4/2019 20:22:59	0.0	0.0
512	4/4/2019 20:23:29	0.0	0.0
513	4/4/2019 20:23:59	0.0	0.0
514	4/4/2019 20:24:29	0.0	0.0
515	4/4/2019 20:24:59	0.0	0.0
516	4/4/2019 20:25:29	0.0	0.0
517	4/4/2019 20:25:59	0.0	0.0
518	4/4/2019 20:26:29	0.0	0.0
519	4/4/2019 20:26:59	0.0	0.0
520	4/4/2019 20:27:29	0.0	0.0
521	4/4/2019 20:27:59	0.0	0.0
522	4/4/2019 20:28:29	0.0	0.0
523	4/4/2019 20:28:59	0.0	0.0
524	4/4/2019 20:29:29	0.0	0.0
525	4/4/2019 20:29:59	0.0	0.0
526	4/4/2019 20:30:29	0.0	0.0
527	4/4/2019 20:30:59	0.0	0.0
528	4/4/2019 20:31:29	0.0	0.0
529	4/4/2019 20:31:59	0.0	0.0
530	4/4/2019 20:32:29	0.0	0.0
531	4/4/2019 20:32:59	0.0	0.0

532	4/4/2019 20:33:29	0.0	0.0
533	4/4/2019 20:33:59	0.0	0.0
534	4/4/2019 20:34:29	0.0	0.0
535	4/4/2019 20:34:59	0.0	0.0
536	4/4/2019 20:35:29	0.0	0.0
537	4/4/2019 20:35:59	0.0	0.0
538	4/4/2019 20:36:29	0.0	0.0
539	4/4/2019 20:36:59	0.0	0.0
540	4/4/2019 20:37:29	0.0	0.0
541	4/4/2019 20:37:59	0.0	0.0
542	4/4/2019 20:38:29	0.0	0.0
543	4/4/2019 20:38:59	0.0	0.0
544	4/4/2019 20:39:29	0.0	0.0
545	4/4/2019 20:39:59	0.0	0.0
546	4/4/2019 20:40:29	0.0	0.0
547	4/4/2019 20:40:59	0.0	0.0
548	4/4/2019 20:41:29	0.0	0.0
549	4/4/2019 20:41:59	0.0	0.0
550	4/4/2019 20:42:29	0.0	0.0
551	4/4/2019 20:42:59	0.0	0.0
552	4/4/2019 20:43:29	0.0	0.0
553	4/4/2019 20:43:59	0.0	0.0
554	4/4/2019 20:44:29	0.0	0.0
555	4/4/2019 20:44:59	0.0	0.0
556	4/4/2019 20:45:29	0.0	0.0
557	4/4/2019 20:45:59	0.0	0.0
558	4/4/2019 20:46:29	0.0	0.0
559	4/4/2019 20:46:59	0.0	0.0
560	4/4/2019 20:47:29	0.0	0.0
561	4/4/2019 20:47:59	0.0	0.0
562	4/4/2019 20:48:29	0.0	0.0
563	4/4/2019 20:48:59	0.0	0.0
564	4/4/2019 20:49:29	0.0	0.0
565	4/4/2019 20:49:59	0.0	0.0
566	4/4/2019 20:50:29	0.0	0.0
567	4/4/2019 20:50:59	0.0	0.0
568	4/4/2019 20:51:29	0.0	0.0
569	4/4/2019 20:51:59	0.0	0.0
570	4/4/2019 20:52:29	0.0	0.0
571	4/4/2019 20:52:59	0.0	0.0
572	4/4/2019 20:53:29	0.0	0.0
573	4/4/2019 20:53:59	0.0	0.0
574	4/4/2019 20:54:29	0.0	0.0
575	4/4/2019 20:54:59	0.0	0.0
576	4/4/2019 20:55:29	0.0	0.0
577	4/4/2019 20:55:59	0.0	0.0

甑==========
19/04/05 08:36
****
Summary

```
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver       V2.16
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Menu Mode
------------------------------------------------------------
Site ID PES00000
User ID PES00000
------------------------------------------------------------
Begin   4/5/2019 08:36:46
End     4/5/2019 08:37:13
Sample Period(s)        30
Number of Records       0
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S0?3030298V9
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      100.0
TWA Alarm       50.0
Measurement Gas Isobutylene
Calibration Time        4/4/2019 15:44

************************************************************
Datalog

0 record.

甄============================================================
19/04/05 08:53
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver       V2.16
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Power Down
------------------------------------------------------------
```

Site ID PES00000
User ID PES00000

Begin 4/5/2019 08:53:19
End 4/5/2019 14:13:15
Sample Period(s) 30
Number of Records 639

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/4/2019 15:44
Peak 0.4
Min 0.0
Average 0.2

****

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/5/2019 08:53:49	0.0	0.0	0.1	0.0	
002	4/5/2019 08:54:19	0.0	0.0	0.0	0.0	
003	4/5/2019 08:54:49	0.0	0.0	0.0	0.0	
004	4/5/2019 08:55:19	0.0	0.0	0.0	0.0	
005	4/5/2019 08:55:49	0.0	0.1	0.1	0.0	
006	4/5/2019 08:56:19	0.0	0.1	0.1	0.0	
007	4/5/2019 08:56:49	0.0	0.0	0.1	0.0	
008	4/5/2019 08:57:19	0.0	0.0	0.1	0.0	
009	4/5/2019 08:57:49	0.0	0.0	0.1	0.0	
010	4/5/2019 08:58:19	0.0	0.1	0.1	0.1	
011	4/5/2019 08:58:49	0.1	0.1	0.1	0.1	
012	4/5/2019 08:59:19	0.1	0.1	0.1	0.1	
013	4/5/2019 08:59:49	0.1	0.1	0.1	0.1	
014	4/5/2019 09:00:19	0.1	0.1	0.1	0.1	
015	4/5/2019 09:00:49	0.1	0.1	0.1	0.1	
016	4/5/2019 09:01:19	0.1	0.1	0.1	0.1	
017	4/5/2019 09:01:49	0.1	0.1	0.1	0.1	
018	4/5/2019 09:02:19	0.1	0.1	0.1	0.1	
019	4/5/2019 09:02:49	0.1	0.1	0.1	0.1	
020	4/5/2019 09:03:19	0.1	0.1	0.1	0.1	
021	4/5/2019 09:03:49	0.1	0.1	0.1	0.1	
022	4/5/2019 09:04:19	0.1	0.1	0.1	0.1	

023	4/5/2019 09:04:49	0.1	0.1	0.1	0.1
024	4/5/2019 09:05:19	0.1	0.1	0.1	0.1
025	4/5/2019 09:05:49	0.1	0.1	0.1	0.1
026	4/5/2019 09:06:19	0.1	0.1	0.1	0.1
027	4/5/2019 09:06:49	0.1	0.1	0.1	0.1
028	4/5/2019 09:07:19	0.1	0.1	0.1	0.1
029	4/5/2019 09:07:49	0.1	0.1	0.1	0.1
030	4/5/2019 09:08:19	0.1	0.1	0.1	0.1
031	4/5/2019 09:08:49	0.1	0.1	0.1	0.1
032	4/5/2019 09:09:19	0.1	0.1	0.1	0.1
033	4/5/2019 09:09:49	0.1	0.1	0.1	0.1
034	4/5/2019 09:10:19	0.1	0.1	0.1	0.1
035	4/5/2019 09:10:49	0.1	0.1	0.1	0.1
036	4/5/2019 09:11:19	0.1	0.1	0.1	0.1
037	4/5/2019 09:11:49	0.1	0.1	0.1	0.1
038	4/5/2019 09:12:19	0.1	0.1	0.1	0.1
039	4/5/2019 09:12:49	0.1	0.1	0.1	0.1
040	4/5/2019 09:13:19	0.1	0.1	0.1	0.1
041	4/5/2019 09:13:49	0.1	0.1	0.1	0.1
042	4/5/2019 09:14:19	0.1	0.1	0.1	0.1
043	4/5/2019 09:14:49	0.1	0.1	0.1	0.1
044	4/5/2019 09:15:19	0.1	0.1	0.1	0.1
045	4/5/2019 09:15:49	0.1	0.1	0.1	0.1
046	4/5/2019 09:16:19	0.1	0.1	0.1	0.1
047	4/5/2019 09:16:49	0.1	0.1	0.1	0.1
048	4/5/2019 09:17:19	0.1	0.1	0.1	0.1
049	4/5/2019 09:17:49	0.1	0.1	0.1	0.1
050	4/5/2019 09:18:19	0.1	0.1	0.1	0.1
051	4/5/2019 09:18:49	0.1	0.1	0.1	0.1
052	4/5/2019 09:19:19	0.1	0.1	0.1	0.1
053	4/5/2019 09:19:49	0.1	0.1	0.1	0.1
054	4/5/2019 09:20:19	0.1	0.1	0.1	0.1
055	4/5/2019 09:20:49	0.1	0.1	0.1	0.1
056	4/5/2019 09:21:19	0.1	0.1	0.1	0.1
057	4/5/2019 09:21:49	0.1	0.1	0.1	0.1
058	4/5/2019 09:22:19	0.1	0.1	0.1	0.1
059	4/5/2019 09:22:49	0.1	0.1	0.1	0.1
060	4/5/2019 09:23:19	0.1	0.1	0.1	0.1
061	4/5/2019 09:23:49	0.1	0.1	0.1	0.1
062	4/5/2019 09:24:19	0.1	0.1	0.1	0.1
063	4/5/2019 09:24:49	0.1	0.1	0.1	0.1
064	4/5/2019 09:25:19	0.1	0.1	0.1	0.1
065	4/5/2019 09:25:49	0.1	0.1	0.1	0.1
066	4/5/2019 09:26:19	0.1	0.1	0.1	0.1
067	4/5/2019 09:26:49	0.1	0.1	0.1	0.1
068	4/5/2019 09:27:19	0.1	0.1	0.1	0.1
069	4/5/2019 09:27:49	0.1	0.1	0.1	0.1
070	4/5/2019 09:28:19	0.1	0.1	0.1	0.1
071	4/5/2019 09:28:49	0.1	0.1	0.1	0.1
072	4/5/2019 09:29:19	0.1	0.1	0.1	0.1

073	4/5/2019 09:29:49	0.1	0.1	0.1	0.1
074	4/5/2019 09:30:19	0.1	0.1	0.1	0.1
075	4/5/2019 09:30:49	0.1	0.1	0.1	0.1
076	4/5/2019 09:31:19	0.1	0.1	0.1	0.1
077	4/5/2019 09:31:49	0.1	0.1	0.1	0.1
078	4/5/2019 09:32:19	0.1	0.1	0.1	0.1
079	4/5/2019 09:32:49	0.1	0.1	0.1	0.1
080	4/5/2019 09:33:19	0.1	0.1	0.1	0.1
081	4/5/2019 09:33:49	0.1	0.1	0.1	0.1
082	4/5/2019 09:34:19	0.1	0.1	0.1	0.1
083	4/5/2019 09:34:49	0.1	0.1	0.1	0.1
084	4/5/2019 09:35:19	0.1	0.1	0.1	0.1
085	4/5/2019 09:35:49	0.1	0.1	0.1	0.1
086	4/5/2019 09:36:19	0.1	0.1	0.1	0.1
087	4/5/2019 09:36:49	0.1	0.1	0.1	0.1
088	4/5/2019 09:37:19	0.1	0.1	0.1	0.1
089	4/5/2019 09:37:49	0.1	0.1	0.1	0.1
090	4/5/2019 09:38:19	0.1	0.1	0.1	0.1
091	4/5/2019 09:38:49	0.1	0.1	0.1	0.1
092	4/5/2019 09:39:19	0.1	0.1	0.1	0.1
093	4/5/2019 09:39:49	0.1	0.1	0.1	0.1
094	4/5/2019 09:40:19	0.1	0.1	0.1	0.1
095	4/5/2019 09:40:49	0.1	0.1	0.1	0.1
096	4/5/2019 09:41:19	0.1	0.1	0.1	0.1
097	4/5/2019 09:41:49	0.1	0.1	0.1	0.1
098	4/5/2019 09:42:19	0.1	0.1	0.1	0.1
099	4/5/2019 09:42:49	0.1	0.1	0.1	0.1
100	4/5/2019 09:43:19	0.1	0.1	0.1	0.1
101	4/5/2019 09:43:49	0.1	0.1	0.1	0.1
102	4/5/2019 09:44:19	0.1	0.1	0.1	0.1
103	4/5/2019 09:44:49	0.1	0.1	0.1	0.1
104	4/5/2019 09:45:19	0.1	0.1	0.1	0.1
105	4/5/2019 09:45:49	0.1	0.1	0.1	0.1
106	4/5/2019 09:46:19	0.1	0.1	0.1	0.1
107	4/5/2019 09:46:49	0.1	0.1	0.1	0.1
108	4/5/2019 09:47:19	0.1	0.1	0.1	0.1
109	4/5/2019 09:47:49	0.1	0.1	0.1	0.1
110	4/5/2019 09:48:19	0.1	0.1	0.1	0.1
111	4/5/2019 09:48:49	0.1	0.1	0.1	0.1
112	4/5/2019 09:49:19	0.1	0.1	0.1	0.1
113	4/5/2019 09:49:49	0.1	0.1	0.1	0.1
114	4/5/2019 09:50:19	0.1	0.1	0.1	0.1
115	4/5/2019 09:50:49	0.1	0.1	0.1	0.1
116	4/5/2019 09:51:19	0.1	0.1	0.1	0.1
117	4/5/2019 09:51:49	0.1	0.1	0.1	0.1
118	4/5/2019 09:52:19	0.1	0.1	0.1	0.1
119	4/5/2019 09:52:49	0.1	0.1	0.1	0.1
120	4/5/2019 09:53:19	0.1	0.1	0.1	0.1
121	4/5/2019 09:53:49	0.1	0.1	0.1	0.1
122	4/5/2019 09:54:19	0.1	0.1	0.1	0.1

123	4/5/2019 09:54:49	0.1	0.1	0.1	0.1
124	4/5/2019 09:55:19	0.1	0.1	0.1	0.1
125	4/5/2019 09:55:49	0.1	0.1	0.1	0.1
126	4/5/2019 09:56:19	0.1	0.1	0.1	0.1
127	4/5/2019 09:56:49	0.1	0.1	0.1	0.1
128	4/5/2019 09:57:19	0.1	0.1	0.1	0.1
129	4/5/2019 09:57:49	0.1	0.1	0.1	0.1
130	4/5/2019 09:58:19	0.1	0.1	0.1	0.1
131	4/5/2019 09:58:49	0.1	0.1	0.1	0.1
132	4/5/2019 09:59:19	0.1	0.1	0.1	0.1
133	4/5/2019 09:59:49	0.1	0.1	0.1	0.1
134	4/5/2019 10:00:19	0.1	0.1	0.1	0.1
135	4/5/2019 10:00:49	0.1	0.1	0.1	0.1
136	4/5/2019 10:01:19	0.1	0.1	0.1	0.1
137	4/5/2019 10:01:49	0.1	0.1	0.1	0.1
138	4/5/2019 10:02:19	0.1	0.1	0.1	0.1
139	4/5/2019 10:02:49	0.1	0.1	0.1	0.1
140	4/5/2019 10:03:19	0.1	0.1	0.1	0.1
141	4/5/2019 10:03:49	0.1	0.1	0.1	0.1
142	4/5/2019 10:04:19	0.1	0.1	0.1	0.1
143	4/5/2019 10:04:49	0.1	0.1	0.1	0.1
144	4/5/2019 10:05:19	0.1	0.1	0.1	0.1
145	4/5/2019 10:05:49	0.1	0.1	0.1	0.1
146	4/5/2019 10:06:19	0.1	0.1	0.1	0.1
147	4/5/2019 10:06:49	0.1	0.1	0.1	0.1
148	4/5/2019 10:07:19	0.1	0.1	0.1	0.1
149	4/5/2019 10:07:49	0.1	0.1	0.1	0.1
150	4/5/2019 10:08:19	0.1	0.1	0.1	0.1
151	4/5/2019 10:08:49	0.1	0.1	0.1	0.1
152	4/5/2019 10:09:19	0.1	0.1	0.1	0.1
153	4/5/2019 10:09:49	0.1	0.1	0.1	0.1
154	4/5/2019 10:10:19	0.1	0.1	0.1	0.1
155	4/5/2019 10:10:49	0.1	0.1	0.1	0.1
156	4/5/2019 10:11:19	0.1	0.1	0.1	0.1
157	4/5/2019 10:11:49	0.1	0.1	0.1	0.1
158	4/5/2019 10:12:19	0.1	0.1	0.1	0.1
159	4/5/2019 10:12:49	0.1	0.1	0.1	0.1
160	4/5/2019 10:13:19	0.1	0.1	0.1	0.1
161	4/5/2019 10:13:49	0.1	0.1	0.1	0.1
162	4/5/2019 10:14:19	0.1	0.1	0.1	0.1
163	4/5/2019 10:14:49	0.1	0.1	0.1	0.1
164	4/5/2019 10:15:19	0.1	0.1	0.1	0.1
165	4/5/2019 10:15:49	0.1	0.1	0.1	0.1
166	4/5/2019 10:16:19	0.1	0.1	0.1	0.1
167	4/5/2019 10:16:49	0.1	0.1	0.1	0.1
168	4/5/2019 10:17:19	0.1	0.1	0.1	0.1
169	4/5/2019 10:17:49	0.1	0.1	0.1	0.1
170	4/5/2019 10:18:19	0.1	0.1	0.1	0.1
171	4/5/2019 10:18:49	0.1	0.1	0.1	0.1
172	4/5/2019 10:19:19	0.1	0.1	0.1	0.1

173	4/5/2019 10:19:49	0.1	0.1	0.1	0.1
174	4/5/2019 10:20:19	0.1	0.1	0.1	0.1
175	4/5/2019 10:20:49	0.1	0.1	0.1	0.1
176	4/5/2019 10:21:19	0.1	0.1	0.1	0.1
177	4/5/2019 10:21:49	0.1	0.1	0.1	0.1
178	4/5/2019 10:22:19	0.1	0.1	0.1	0.1
179	4/5/2019 10:22:49	0.1	0.1	0.1	0.1
180	4/5/2019 10:23:19	0.1	0.1	0.1	0.1
181	4/5/2019 10:23:49	0.1	0.1	0.1	0.1
182	4/5/2019 10:24:19	0.1	0.1	0.1	0.1
183	4/5/2019 10:24:49	0.1	0.1	0.1	0.1
184	4/5/2019 10:25:19	0.1	0.1	0.1	0.1
185	4/5/2019 10:25:49	0.1	0.1	0.1	0.1
186	4/5/2019 10:26:19	0.1	0.1	0.1	0.1
187	4/5/2019 10:26:49	0.1	0.1	0.1	0.1
188	4/5/2019 10:27:19	0.1	0.1	0.1	0.1
189	4/5/2019 10:27:49	0.1	0.1	0.1	0.1
190	4/5/2019 10:28:19	0.1	0.1	0.1	0.1
191	4/5/2019 10:28:49	0.1	0.1	0.1	0.1
192	4/5/2019 10:29:19	0.1	0.1	0.1	0.1
193	4/5/2019 10:29:49	0.1	0.1	0.1	0.1
194	4/5/2019 10:30:19	0.1	0.1	0.1	0.1
195	4/5/2019 10:30:49	0.1	0.1	0.1	0.1
196	4/5/2019 10:31:19	0.1	0.1	0.1	0.1
197	4/5/2019 10:31:49	0.1	0.1	0.1	0.1
198	4/5/2019 10:32:19	0.1	0.1	0.1	0.1
199	4/5/2019 10:32:49	0.1	0.1	0.1	0.1
200	4/5/2019 10:33:19	0.1	0.1	0.1	0.1
201	4/5/2019 10:33:49	0.1	0.1	0.1	0.1
202	4/5/2019 10:34:19	0.1	0.1	0.1	0.1
203	4/5/2019 10:34:49	0.1	0.1	0.1	0.1
204	4/5/2019 10:35:19	0.1	0.1	0.1	0.1
205	4/5/2019 10:35:49	0.1	0.1	0.1	0.1
206	4/5/2019 10:36:19	0.1	0.1	0.1	0.1
207	4/5/2019 10:36:49	0.1	0.1	0.1	0.1
208	4/5/2019 10:37:19	0.1	0.1	0.1	0.1
209	4/5/2019 10:37:49	0.1	0.1	0.1	0.1
210	4/5/2019 10:38:19	0.1	0.1	0.1	0.1
211	4/5/2019 10:38:49	0.1	0.1	0.1	0.1
212	4/5/2019 10:39:19	0.1	0.1	0.1	0.1
213	4/5/2019 10:39:49	0.1	0.1	0.1	0.1
214	4/5/2019 10:40:19	0.1	0.1	0.1	0.1
215	4/5/2019 10:40:49	0.1	0.1	0.1	0.1
216	4/5/2019 10:41:19	0.1	0.1	0.1	0.1
217	4/5/2019 10:41:49	0.1	0.1	0.1	0.1
218	4/5/2019 10:42:19	0.1	0.1	0.1	0.1
219	4/5/2019 10:42:49	0.1	0.1	0.1	0.1
220	4/5/2019 10:43:19	0.1	0.1	0.1	0.1
221	4/5/2019 10:43:49	0.1	0.1	0.1	0.1
222	4/5/2019 10:44:19	0.1	0.1	0.1	0.1

223	4/5/2019 10:44:49	0.1	0.1	0.1	0.1
224	4/5/2019 10:45:19	0.1	0.1	0.1	0.1
225	4/5/2019 10:45:49	0.1	0.1	0.1	0.1
226	4/5/2019 10:46:19	0.1	0.1	0.1	0.1
227	4/5/2019 10:46:49	0.1	0.1	0.1	0.1
228	4/5/2019 10:47:19	0.1	0.1	0.1	0.1
229	4/5/2019 10:47:49	0.1	0.1	0.1	0.1
230	4/5/2019 10:48:19	0.1	0.1	0.1	0.1
231	4/5/2019 10:48:49	0.1	0.1	0.1	0.1
232	4/5/2019 10:49:19	0.1	0.1	0.1	0.1
233	4/5/2019 10:49:49	0.1	0.1	0.1	0.1
234	4/5/2019 10:50:19	0.1	0.1	0.1	0.1
235	4/5/2019 10:50:49	0.1	0.1	0.1	0.1
236	4/5/2019 10:51:19	0.1	0.1	0.1	0.1
237	4/5/2019 10:51:49	0.1	0.1	0.1	0.1
238	4/5/2019 10:52:19	0.1	0.1	0.1	0.1
239	4/5/2019 10:52:49	0.1	0.1	0.1	0.1
240	4/5/2019 10:53:19	0.1	0.1	0.1	0.1
241	4/5/2019 10:53:49	0.1	0.1	0.1	0.1
242	4/5/2019 10:54:19	0.1	0.1	0.1	0.1
243	4/5/2019 10:54:49	0.1	0.1	0.1	0.1
244	4/5/2019 10:55:19	0.1	0.1	0.1	0.1
245	4/5/2019 10:55:49	0.1	0.1	0.1	0.1
246	4/5/2019 10:56:19	0.1	0.1	0.1	0.1
247	4/5/2019 10:56:49	0.1	0.1	0.1	0.1
248	4/5/2019 10:57:19	0.1	0.1	0.1	0.1
249	4/5/2019 10:57:49	0.1	0.1	0.1	0.1
250	4/5/2019 10:58:19	0.1	0.1	0.1	0.1
251	4/5/2019 10:58:49	0.1	0.1	0.1	0.1
252	4/5/2019 10:59:19	0.1	0.1	0.1	0.1
253	4/5/2019 10:59:49	0.1	0.1	0.1	0.1
254	4/5/2019 11:00:19	0.1	0.1	0.1	0.1
255	4/5/2019 11:00:49	0.1	0.1	0.1	0.1
256	4/5/2019 11:01:19	0.1	0.1	0.1	0.1
257	4/5/2019 11:01:49	0.1	0.1	0.1	0.1
258	4/5/2019 11:02:19	0.1	0.1	0.1	0.1
259	4/5/2019 11:02:49	0.1	0.1	0.1	0.1
260	4/5/2019 11:03:19	0.1	0.1	0.1	0.1
261	4/5/2019 11:03:49	0.1	0.1	0.1	0.1
262	4/5/2019 11:04:19	0.1	0.1	0.1	0.1
263	4/5/2019 11:04:49	0.1	0.1	0.1	0.1
264	4/5/2019 11:05:19	0.1	0.1	0.1	0.1
265	4/5/2019 11:05:49	0.1	0.1	0.1	0.1
266	4/5/2019 11:06:19	0.1	0.1	0.1	0.1
267	4/5/2019 11:06:49	0.1	0.1	0.1	0.1
268	4/5/2019 11:07:19	0.1	0.1	0.1	0.1
269	4/5/2019 11:07:49	0.1	0.1	0.1	0.1
270	4/5/2019 11:08:19	0.1	0.1	0.1	0.1
271	4/5/2019 11:08:49	0.1	0.1	0.1	0.1
272	4/5/2019 11:09:19	0.1	0.1	0.1	0.1

273	4/5/2019 11:09:49	0.1	0.1	0.1	0.1
274	4/5/2019 11:10:19	0.1	0.1	0.1	0.1
275	4/5/2019 11:10:49	0.1	0.1	0.1	0.1
276	4/5/2019 11:11:19	0.1	0.1	0.1	0.1
277	4/5/2019 11:11:49	0.1	0.1	0.1	0.1
278	4/5/2019 11:12:19	0.1	0.1	0.1	0.1
279	4/5/2019 11:12:49	0.1	0.1	0.1	0.1
280	4/5/2019 11:13:19	0.1	0.1	0.1	0.1
281	4/5/2019 11:13:49	0.1	0.1	0.1	0.1
282	4/5/2019 11:14:19	0.1	0.1	0.1	0.1
283	4/5/2019 11:14:49	0.1	0.1	0.2	0.2
284	4/5/2019 11:15:19	0.1	0.1	0.1	0.1
285	4/5/2019 11:15:49	0.1	0.1	0.1	0.1
286	4/5/2019 11:16:19	0.1	0.1	0.1	0.1
287	4/5/2019 11:16:49	0.1	0.1	0.1	0.1
288	4/5/2019 11:17:19	0.1	0.1	0.1	0.1
289	4/5/2019 11:17:49	0.1	0.1	0.1	0.1
290	4/5/2019 11:18:19	0.1	0.1	0.1	0.1
291	4/5/2019 11:18:49	0.1	0.1	0.1	0.1
292	4/5/2019 11:19:19	0.1	0.1	0.1	0.1
293	4/5/2019 11:19:49	0.1	0.1	0.1	0.1
294	4/5/2019 11:20:19	0.1	0.1	0.1	0.1
295	4/5/2019 11:20:49	0.1	0.1	0.1	0.1
296	4/5/2019 11:21:19	0.1	0.1	0.1	0.1
297	4/5/2019 11:21:49	0.1	0.1	0.1	0.1
298	4/5/2019 11:22:19	0.1	0.1	0.1	0.1
299	4/5/2019 11:22:49	0.1	0.1	0.2	0.2
300	4/5/2019 11:23:19	0.2	0.2	0.2	0.2
301	4/5/2019 11:23:49	0.2	0.2	0.2	0.2
302	4/5/2019 11:24:19	0.2	0.2	0.2	0.2
303	4/5/2019 11:24:49	0.1	0.2	0.2	0.1
304	4/5/2019 11:25:19	0.1	0.1	0.1	0.1
305	4/5/2019 11:25:49	0.1	0.1	0.2	0.1
306	4/5/2019 11:26:19	0.1	0.1	0.1	0.1
307	4/5/2019 11:26:49	0.1	0.1	0.1	0.1
308	4/5/2019 11:27:19	0.1	0.1	0.1	0.1
309	4/5/2019 11:27:49	0.1	0.1	0.1	0.1
310	4/5/2019 11:28:19	0.1	0.1	0.1	0.1
311	4/5/2019 11:28:49	0.1	0.1	0.2	0.2
312	4/5/2019 11:29:19	0.1	0.1	0.2	0.1
313	4/5/2019 11:29:49	0.1	0.1	0.2	0.1
314	4/5/2019 11:30:19	0.1	0.1	0.2	0.2
315	4/5/2019 11:30:49	0.1	0.1	0.2	0.1
316	4/5/2019 11:31:19	0.1	0.2	0.2	0.2
317	4/5/2019 11:31:49	0.2	0.2	0.2	0.2
318	4/5/2019 11:32:19	0.1	0.2	0.2	0.1
319	4/5/2019 11:32:49	0.1	0.1	0.2	0.2
320	4/5/2019 11:33:19	0.1	0.2	0.2	0.2
321	4/5/2019 11:33:49	0.2	0.2	0.2	0.2
322	4/5/2019 11:34:19	0.2	0.2	0.2	0.2

323	4/5/2019 11:34:49	0.1	0.2	0.2	0.2
324	4/5/2019 11:35:19	0.1	0.2	0.2	0.1
325	4/5/2019 11:35:49	0.1	0.2	0.2	0.2
326	4/5/2019 11:36:19	0.1	0.1	0.2	0.2
327	4/5/2019 11:36:49	0.1	0.2	0.2	0.2
328	4/5/2019 11:37:19	0.1	0.1	0.2	0.1
329	4/5/2019 11:37:49	0.1	0.1	0.1	0.1
330	4/5/2019 11:38:19	0.1	0.1	0.1	0.1
331	4/5/2019 11:38:49	0.1	0.1	0.2	0.1
332	4/5/2019 11:39:19	0.1	0.1	0.1	0.1
333	4/5/2019 11:39:49	0.1	0.1	0.2	0.1
334	4/5/2019 11:40:19	0.1	0.1	0.1	0.1
335	4/5/2019 11:40:49	0.1	0.1	0.1	0.1
336	4/5/2019 11:41:19	0.1	0.1	0.2	0.1
337	4/5/2019 11:41:49	0.1	0.1	0.1	0.1
338	4/5/2019 11:42:19	0.1	0.1	0.1	0.1
339	4/5/2019 11:42:49	0.1	0.1	0.2	0.1
340	4/5/2019 11:43:19	0.1	0.1	0.2	0.1
341	4/5/2019 11:43:49	0.1	0.1	0.2	0.2
342	4/5/2019 11:44:19	0.1	0.2	0.2	0.2
343	4/5/2019 11:44:49	0.1	0.1	0.2	0.2
344	4/5/2019 11:45:19	0.1	0.2	0.2	0.1
345	4/5/2019 11:45:49	0.1	0.1	0.2	0.1
346	4/5/2019 11:46:19	0.1	0.1	0.1	0.1
347	4/5/2019 11:46:49	0.1	0.1	0.2	0.2
348	4/5/2019 11:47:19	0.1	0.2	0.2	0.1
349	4/5/2019 11:47:49	0.1	0.2	0.2	0.2
350	4/5/2019 11:48:19	0.1	0.2	0.2	0.2
351	4/5/2019 11:48:49	0.2	0.2	0.2	0.2
352	4/5/2019 11:49:19	0.2	0.2	0.2	0.2
353	4/5/2019 11:49:49	0.2	0.2	0.2	0.2
354	4/5/2019 11:50:19	0.2	0.2	0.2	0.2
355	4/5/2019 11:50:49	0.2	0.2	0.2	0.2
356	4/5/2019 11:51:19	0.1	0.2	0.2	0.1
357	4/5/2019 11:51:49	0.1	0.2	0.2	0.2
358	4/5/2019 11:52:19	0.2	0.2	0.2	0.2
359	4/5/2019 11:52:49	0.2	0.2	0.2	0.2
360	4/5/2019 11:53:19	0.2	0.2	0.2	0.2
361	4/5/2019 11:53:49	0.2	0.2	0.2	0.2
362	4/5/2019 11:54:19	0.2	0.2	0.2	0.2
363	4/5/2019 11:54:49	0.2	0.2	0.2	0.2
364	4/5/2019 11:55:19	0.2	0.2	0.2	0.2
365	4/5/2019 11:55:49	0.2	0.2	0.2	0.2
366	4/5/2019 11:56:19	0.2	0.2	0.2	0.2
367	4/5/2019 11:56:49	0.2	0.2	0.2	0.2
368	4/5/2019 11:57:19	0.2	0.2	0.2	0.2
369	4/5/2019 11:57:49	0.2	0.2	0.2	0.2
370	4/5/2019 11:58:19	0.2	0.2	0.2	0.2
371	4/5/2019 11:58:49	0.2	0.2	0.2	0.2
372	4/5/2019 11:59:19	0.2	0.2	0.2	0.2

373	4/5/2019 11:59:49	0.2	0.2	0.2	0.2
374	4/5/2019 12:00:19	0.2	0.2	0.2	0.2
375	4/5/2019 12:00:49	0.2	0.2	0.2	0.2
376	4/5/2019 12:01:19	0.2	0.2	0.2	0.2
377	4/5/2019 12:01:49	0.2	0.2	0.2	0.2
378	4/5/2019 12:02:19	0.2	0.2	0.2	0.2
379	4/5/2019 12:02:49	0.2	0.2	0.2	0.2
380	4/5/2019 12:03:19	0.2	0.2	0.2	0.2
381	4/5/2019 12:03:49	0.2	0.2	0.2	0.2
382	4/5/2019 12:04:19	0.2	0.2	0.2	0.2
383	4/5/2019 12:04:49	0.2	0.2	0.2	0.2
384	4/5/2019 12:05:19	0.2	0.2	0.2	0.2
385	4/5/2019 12:05:49	0.2	0.2	0.2	0.2
386	4/5/2019 12:06:19	0.2	0.2	0.2	0.2
387	4/5/2019 12:06:49	0.2	0.2	0.2	0.2
388	4/5/2019 12:07:19	0.2	0.2	0.2	0.2
389	4/5/2019 12:07:49	0.2	0.2	0.2	0.2
390	4/5/2019 12:08:19	0.2	0.2	0.2	0.2
391	4/5/2019 12:08:49	0.2	0.2	0.2	0.2
392	4/5/2019 12:09:19	0.2	0.2	0.2	0.2
393	4/5/2019 12:09:49	0.2	0.2	0.2	0.2
394	4/5/2019 12:10:19	0.2	0.2	0.2	0.2
395	4/5/2019 12:10:49	0.2	0.2	0.2	0.2
396	4/5/2019 12:11:19	0.2	0.2	0.2	0.2
397	4/5/2019 12:11:49	0.2	0.2	0.2	0.2
398	4/5/2019 12:12:19	0.2	0.2	0.2	0.2
399	4/5/2019 12:12:49	0.2	0.2	0.2	0.2
400	4/5/2019 12:13:19	0.2	0.2	0.2	0.2
401	4/5/2019 12:13:49	0.2	0.2	0.2	0.2
402	4/5/2019 12:14:19	0.2	0.2	0.2	0.2
403	4/5/2019 12:14:49	0.2	0.2	0.2	0.2
404	4/5/2019 12:15:19	0.2	0.2	0.2	0.2
405	4/5/2019 12:15:49	0.2	0.2	0.2	0.2
406	4/5/2019 12:16:19	0.2	0.2	0.2	0.2
407	4/5/2019 12:16:49	0.2	0.2	0.2	0.2
408	4/5/2019 12:17:19	0.2	0.2	0.2	0.2
409	4/5/2019 12:17:49	0.2	0.2	0.2	0.2
410	4/5/2019 12:18:19	0.2	0.2	0.2	0.2
411	4/5/2019 12:18:49	0.2	0.2	0.2	0.2
412	4/5/2019 12:19:19	0.2	0.2	0.2	0.2
413	4/5/2019 12:19:49	0.2	0.2	0.2	0.2
414	4/5/2019 12:20:19	0.2	0.2	0.2	0.2
415	4/5/2019 12:20:49	0.2	0.2	0.2	0.2
416	4/5/2019 12:21:19	0.2	0.2	0.2	0.2
417	4/5/2019 12:21:49	0.2	0.2	0.2	0.2
418	4/5/2019 12:22:19	0.2	0.2	0.2	0.2
419	4/5/2019 12:22:49	0.2	0.2	0.2	0.2
420	4/5/2019 12:23:19	0.2	0.2	0.2	0.2
421	4/5/2019 12:23:49	0.2	0.2	0.2	0.2
422	4/5/2019 12:24:19	0.2	0.2	0.2	0.2

423	4/5/2019 12:24:49	0.2	0.2	0.2	0.2
424	4/5/2019 12:25:19	0.2	0.2	0.2	0.2
425	4/5/2019 12:25:49	0.2	0.2	0.2	0.2
426	4/5/2019 12:26:19	0.2	0.2	0.2	0.2
427	4/5/2019 12:26:49	0.2	0.2	0.2	0.2
428	4/5/2019 12:27:19	0.2	0.2	0.2	0.2
429	4/5/2019 12:27:49	0.2	0.2	0.2	0.2
430	4/5/2019 12:28:19	0.2	0.2	0.2	0.2
431	4/5/2019 12:28:49	0.2	0.2	0.2	0.2
432	4/5/2019 12:29:19	0.2	0.2	0.2	0.2
433	4/5/2019 12:29:49	0.2	0.2	0.2	0.2
434	4/5/2019 12:30:19	0.2	0.2	0.2	0.2
435	4/5/2019 12:30:49	0.2	0.2	0.2	0.2
436	4/5/2019 12:31:19	0.2	0.2	0.2	0.2
437	4/5/2019 12:31:49	0.2	0.2	0.2	0.2
438	4/5/2019 12:32:19	0.2	0.2	0.2	0.2
439	4/5/2019 12:32:49	0.2	0.2	0.2	0.2
440	4/5/2019 12:33:19	0.2	0.2	0.2	0.2
441	4/5/2019 12:33:49	0.2	0.2	0.2	0.2
442	4/5/2019 12:34:19	0.2	0.2	0.2	0.2
443	4/5/2019 12:34:49	0.2	0.2	0.2	0.2
444	4/5/2019 12:35:19	0.2	0.2	0.2	0.2
445	4/5/2019 12:35:49	0.2	0.2	0.2	0.2
446	4/5/2019 12:36:19	0.2	0.2	0.2	0.2
447	4/5/2019 12:36:49	0.2	0.2	0.2	0.2
448	4/5/2019 12:37:19	0.2	0.2	0.2	0.2
449	4/5/2019 12:37:49	0.2	0.2	0.2	0.2
450	4/5/2019 12:38:19	0.2	0.2	0.2	0.2
451	4/5/2019 12:38:49	0.2	0.2	0.2	0.2
452	4/5/2019 12:39:19	0.2	0.2	0.2	0.2
453	4/5/2019 12:39:49	0.2	0.2	0.2	0.2
454	4/5/2019 12:40:19	0.2	0.2	0.2	0.2
455	4/5/2019 12:40:49	0.2	0.2	0.2	0.2
456	4/5/2019 12:41:19	0.2	0.2	0.2	0.2
457	4/5/2019 12:41:49	0.2	0.2	0.3	0.3
458	4/5/2019 12:42:19	0.2	0.2	0.3	0.2
459	4/5/2019 12:42:49	0.2	0.2	0.2	0.2
460	4/5/2019 12:43:19	0.2	0.3	0.4	0.3
461	4/5/2019 12:43:49	0.2	0.2	0.3	0.2
462	4/5/2019 12:44:19	0.2	0.2	0.3	0.2
463	4/5/2019 12:44:49	0.2	0.2	0.2	0.2
464	4/5/2019 12:45:19	0.2	0.2	0.2	0.2
465	4/5/2019 12:45:49	0.2	0.2	0.2	0.2
466	4/5/2019 12:46:19	0.2	0.2	0.2	0.2
467	4/5/2019 12:46:49	0.2	0.2	0.2	0.2
468	4/5/2019 12:47:19	0.2	0.2	0.2	0.2
469	4/5/2019 12:47:49	0.2	0.2	0.2	0.2
470	4/5/2019 12:48:19	0.2	0.2	0.2	0.2
471	4/5/2019 12:48:49	0.2	0.2	0.2	0.2
472	4/5/2019 12:49:19	0.2	0.2	0.2	0.2

473	4/5/2019 12:49:49	0.2	0.2	0.2	0.2
474	4/5/2019 12:50:19	0.2	0.2	0.2	0.2
475	4/5/2019 12:50:49	0.2	0.2	0.2	0.2
476	4/5/2019 12:51:19	0.2	0.2	0.2	0.2
477	4/5/2019 12:51:49	0.2	0.2	0.2	0.2
478	4/5/2019 12:52:19	0.2	0.2	0.2	0.2
479	4/5/2019 12:52:49	0.2	0.2	0.2	0.2
480	4/5/2019 12:53:19	0.2	0.2	0.3	0.2
481	4/5/2019 12:53:49	0.2	0.2	0.3	0.3
482	4/5/2019 12:54:19	0.2	0.3	0.3	0.2
483	4/5/2019 12:54:49	0.2	0.2	0.2	0.2
484	4/5/2019 12:55:19	0.2	0.2	0.2	0.2
485	4/5/2019 12:55:49	0.2	0.2	0.2	0.2
486	4/5/2019 12:56:19	0.2	0.2	0.2	0.2
487	4/5/2019 12:56:49	0.2	0.2	0.2	0.2
488	4/5/2019 12:57:19	0.2	0.2	0.2	0.2
489	4/5/2019 12:57:49	0.2	0.2	0.2	0.2
490	4/5/2019 12:58:19	0.2	0.2	0.2	0.2
491	4/5/2019 12:58:49	0.2	0.2	0.2	0.2
492	4/5/2019 12:59:19	0.2	0.2	0.2	0.2
493	4/5/2019 12:59:49	0.2	0.2	0.2	0.2
494	4/5/2019 13:00:19	0.2	0.2	0.2	0.2
495	4/5/2019 13:00:49	0.2	0.2	0.2	0.2
496	4/5/2019 13:01:19	0.2	0.2	0.2	0.2
497	4/5/2019 13:01:49	0.2	0.2	0.2	0.2
498	4/5/2019 13:02:19	0.2	0.2	0.2	0.2
499	4/5/2019 13:02:49	0.2	0.2	0.2	0.2
500	4/5/2019 13:03:19	0.2	0.3	0.4	0.4
501	4/5/2019 13:03:49	0.2	0.2	0.3	0.2
502	4/5/2019 13:04:19	0.2	0.2	0.2	0.2
503	4/5/2019 13:04:49	0.2	0.2	0.3	0.2
504	4/5/2019 13:05:19	0.2	0.3	0.4	0.3
505	4/5/2019 13:05:49	0.2	0.3	0.3	0.2
506	4/5/2019 13:06:19	0.2	0.2	0.2	0.2
507	4/5/2019 13:06:49	0.2	0.2	0.2	0.2
508	4/5/2019 13:07:19	0.2	0.2	0.2	0.2
509	4/5/2019 13:07:49	0.2	0.2	0.2	0.2
510	4/5/2019 13:08:19	0.2	0.2	0.2	0.2
511	4/5/2019 13:08:49	0.2	0.2	0.2	0.2
512	4/5/2019 13:09:19	0.2	0.2	0.2	0.2
513	4/5/2019 13:09:49	0.2	0.2	0.2	0.2
514	4/5/2019 13:10:19	0.2	0.2	0.2	0.2
515	4/5/2019 13:10:49	0.2	0.2	0.2	0.2
516	4/5/2019 13:11:19	0.2	0.2	0.2	0.2
517	4/5/2019 13:11:49	0.2	0.2	0.2	0.2
518	4/5/2019 13:12:19	0.2	0.2	0.2	0.2
519	4/5/2019 13:12:49	0.2	0.2	0.2	0.2
520	4/5/2019 13:13:19	0.2	0.2	0.2	0.2
521	4/5/2019 13:13:49	0.2	0.2	0.2	0.2
522	4/5/2019 13:14:19	0.2	0.2	0.2	0.2

523	4/5/2019 13:14:49	0.2	0.2	0.2	0.2
524	4/5/2019 13:15:19	0.2	0.2	0.2	0.2
525	4/5/2019 13:15:49	0.2	0.2	0.3	0.3
526	4/5/2019 13:16:19	0.2	0.2	0.3	0.2
527	4/5/2019 13:16:49	0.2	0.2	0.2	0.2
528	4/5/2019 13:17:19	0.2	0.2	0.2	0.2
529	4/5/2019 13:17:49	0.2	0.2	0.2	0.2
530	4/5/2019 13:18:19	0.2	0.2	0.2	0.2
531	4/5/2019 13:18:49	0.2	0.2	0.2	0.2
532	4/5/2019 13:19:19	0.2	0.2	0.2	0.2
533	4/5/2019 13:19:49	0.2	0.2	0.2	0.2
534	4/5/2019 13:20:19	0.2	0.2	0.2	0.2
535	4/5/2019 13:20:49	0.2	0.2	0.2	0.2
536	4/5/2019 13:21:19	0.2	0.2	0.2	0.2
537	4/5/2019 13:21:49	0.2	0.2	0.2	0.2
538	4/5/2019 13:22:19	0.2	0.2	0.2	0.2
539	4/5/2019 13:22:49	0.2	0.2	0.2	0.2
540	4/5/2019 13:23:19	0.2	0.2	0.2	0.2
541	4/5/2019 13:23:49	0.2	0.2	0.2	0.2
542	4/5/2019 13:24:19	0.2	0.2	0.2	0.2
543	4/5/2019 13:24:49	0.2	0.2	0.2	0.2
544	4/5/2019 13:25:19	0.2	0.2	0.2	0.2
545	4/5/2019 13:25:49	0.2	0.2	0.2	0.2
546	4/5/2019 13:26:19	0.2	0.2	0.2	0.2
547	4/5/2019 13:26:49	0.2	0.2	0.2	0.2
548	4/5/2019 13:27:19	0.2	0.2	0.2	0.2
549	4/5/2019 13:27:49	0.2	0.2	0.2	0.2
550	4/5/2019 13:28:19	0.2	0.2	0.2	0.2
551	4/5/2019 13:28:49	0.2	0.2	0.2	0.2
552	4/5/2019 13:29:19	0.2	0.2	0.2	0.2
553	4/5/2019 13:29:49	0.2	0.2	0.2	0.2
554	4/5/2019 13:30:19	0.2	0.2	0.2	0.2
555	4/5/2019 13:30:49	0.2	0.2	0.2	0.2
556	4/5/2019 13:31:19	0.2	0.2	0.2	0.2
557	4/5/2019 13:31:49	0.2	0.2	0.2	0.2
558	4/5/2019 13:32:19	0.2	0.2	0.2	0.2
559	4/5/2019 13:32:49	0.2	0.2	0.2	0.2
560	4/5/2019 13:33:19	0.2	0.2	0.2	0.2
561	4/5/2019 13:33:49	0.2	0.2	0.2	0.2
562	4/5/2019 13:34:19	0.2	0.2	0.2	0.2
563	4/5/2019 13:34:49	0.2	0.2	0.2	0.2
564	4/5/2019 13:35:19	0.2	0.2	0.2	0.2
565	4/5/2019 13:35:49	0.2	0.2	0.2	0.2
566	4/5/2019 13:36:19	0.2	0.2	0.2	0.2
567	4/5/2019 13:36:49	0.2	0.2	0.2	0.2
568	4/5/2019 13:37:19	0.2	0.2	0.2	0.2
569	4/5/2019 13:37:49	0.2	0.2	0.2	0.2
570	4/5/2019 13:38:19	0.2	0.2	0.2	0.2
571	4/5/2019 13:38:49	0.2	0.2	0.2	0.2
572	4/5/2019 13:39:19	0.2	0.3	0.4	0.2

573	4/5/2019 13:39:49	0.2	0.2	0.2	0.2
574	4/5/2019 13:40:19	0.2	0.2	0.2	0.2
575	4/5/2019 13:40:49	0.2	0.2	0.2	0.2
576	4/5/2019 13:41:19	0.2	0.2	0.2	0.2
577	4/5/2019 13:41:49	0.2	0.2	0.2	0.2
578	4/5/2019 13:42:19	0.2	0.2	0.2	0.2
579	4/5/2019 13:42:49	0.2	0.2	0.2	0.2
580	4/5/2019 13:43:19	0.2	0.2	0.2	0.2
581	4/5/2019 13:43:49	0.2	0.2	0.2	0.2
582	4/5/2019 13:44:19	0.2	0.2	0.2	0.2
583	4/5/2019 13:44:49	0.2	0.2	0.2	0.2
584	4/5/2019 13:45:19	0.2	0.2	0.2	0.2
585	4/5/2019 13:45:49	0.2	0.2	0.2	0.2
586	4/5/2019 13:46:19	0.2	0.2	0.2	0.2
587	4/5/2019 13:46:49	0.2	0.2	0.2	0.2
588	4/5/2019 13:47:19	0.2	0.2	0.2	0.2
589	4/5/2019 13:47:49	0.2	0.2	0.2	0.2
590	4/5/2019 13:48:19	0.2	0.2	0.2	0.2
591	4/5/2019 13:48:49	0.2	0.2	0.2	0.2
592	4/5/2019 13:49:19	0.2	0.2	0.2	0.2
593	4/5/2019 13:49:49	0.2	0.2	0.2	0.2
594	4/5/2019 13:50:19	0.2	0.2	0.2	0.2
595	4/5/2019 13:50:49	0.2	0.2	0.2	0.2
596	4/5/2019 13:51:19	0.2	0.2	0.2	0.2
597	4/5/2019 13:51:49	0.2	0.2	0.2	0.2
598	4/5/2019 13:52:19	0.2	0.2	0.2	0.2
599	4/5/2019 13:52:49	0.2	0.2	0.2	0.2
600	4/5/2019 13:53:19	0.2	0.2	0.3	0.3
601	4/5/2019 13:53:49	0.2	0.2	0.3	0.2
602	4/5/2019 13:54:19	0.2	0.2	0.3	0.2
603	4/5/2019 13:54:49	0.2	0.2	0.2	0.2
604	4/5/2019 13:55:19	0.2	0.2	0.3	0.3
605	4/5/2019 13:55:49	0.2	0.2	0.3	0.2
606	4/5/2019 13:56:19	0.2	0.2	0.2	0.2
607	4/5/2019 13:56:49	0.2	0.2	0.2	0.2
608	4/5/2019 13:57:19	0.2	0.2	0.3	0.2
609	4/5/2019 13:57:49	0.2	0.2	0.3	0.2
610	4/5/2019 13:58:19	0.2	0.2	0.2	0.2
611	4/5/2019 13:58:49	0.2	0.2	0.2	0.2
612	4/5/2019 13:59:19	0.2	0.2	0.3	0.3
613	4/5/2019 13:59:49	0.2	0.3	0.3	0.3
614	4/5/2019 14:00:19	0.3	0.3	0.3	0.3
615	4/5/2019 14:00:49	0.3	0.3	0.3	0.3
616	4/5/2019 14:01:19	0.3	0.3	0.3	0.3
617	4/5/2019 14:01:49	0.3	0.3	0.3	0.3
618	4/5/2019 14:02:19	0.3	0.3	0.3	0.3
619	4/5/2019 14:02:49	0.3	0.3	0.3	0.3
620	4/5/2019 14:03:19	0.2	0.3	0.3	0.2
621	4/5/2019 14:03:49	0.2	0.3	0.3	0.3
622	4/5/2019 14:04:19	0.3	0.3	0.3	0.3

623	4/5/2019 14:04:49	0.2	0.3	0.3	0.3
624	4/5/2019 14:05:19	0.2	0.3	0.3	0.3
625	4/5/2019 14:05:49	0.2	0.3	0.3	0.2
626	4/5/2019 14:06:19	0.2	0.3	0.3	0.3
627	4/5/2019 14:06:49	0.3	0.3	0.3	0.3
628	4/5/2019 14:07:19	0.3	0.3	0.3	0.3
629	4/5/2019 14:07:49	0.3	0.3	0.3	0.3
630	4/5/2019 14:08:19	0.3	0.3	0.3	0.3
631	4/5/2019 14:08:49	0.2	0.3	0.3	0.3
632	4/5/2019 14:09:19	0.3	0.3	0.3	0.3
633	4/5/2019 14:09:49	0.2	0.3	0.3	0.3
634	4/5/2019 14:10:19	0.3	0.3	0.3	0.3
635	4/5/2019 14:10:49	0.3	0.3	0.4	0.3
636	4/5/2019 14:11:19	0.3	0.3	0.3	0.3
637	4/5/2019 14:11:49	0.3	0.3	0.3	0.3
638	4/5/2019 14:12:19	0.3	0.3	0.3	0.3
639	4/5/2019 14:12:49	0.3	0.3	0.3	0.3
Peak		0.3	0.3	0.4	0.4
Min		0.0	0.0	0.0	0.0
Average		0.1	0.2	0.2	0.2

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/5/2019 08:53:49	0.0	---
002	4/5/2019 08:54:19	0.0	---
003	4/5/2019 08:54:49	0.0	---
004	4/5/2019 08:55:19	0.0	---
005	4/5/2019 08:55:49	0.0	---
006	4/5/2019 08:56:19	0.0	---
007	4/5/2019 08:56:49	0.0	---
008	4/5/2019 08:57:19	0.0	---
009	4/5/2019 08:57:49	0.0	---
010	4/5/2019 08:58:19	0.0	---
011	4/5/2019 08:58:49	0.0	---
012	4/5/2019 08:59:19	0.0	---
013	4/5/2019 08:59:49	0.0	---
014	4/5/2019 09:00:19	0.0	---
015	4/5/2019 09:00:49	0.0	---
016	4/5/2019 09:01:19	0.0	---
017	4/5/2019 09:01:49	0.0	---
018	4/5/2019 09:02:19	0.0	---
019	4/5/2019 09:02:49	0.0	---
020	4/5/2019 09:03:19	0.0	---
021	4/5/2019 09:03:49	0.0	---
022	4/5/2019 09:04:19	0.0	---
023	4/5/2019 09:04:49	0.0	---
024	4/5/2019 09:05:19	0.0	---
025	4/5/2019 09:05:49	0.0	---

026	4/5/2019 09:06:19	0.0	---
027	4/5/2019 09:06:49	0.0	---
028	4/5/2019 09:07:19	0.0	---
029	4/5/2019 09:07:49	0.0	---
030	4/5/2019 09:08:19	0.0	0.1
031	4/5/2019 09:08:49	0.0	0.1
032	4/5/2019 09:09:19	0.0	0.1
033	4/5/2019 09:09:49	0.0	0.1
034	4/5/2019 09:10:19	0.0	0.1
035	4/5/2019 09:10:49	0.0	0.1
036	4/5/2019 09:11:19	0.0	0.1
037	4/5/2019 09:11:49	0.0	0.1
038	4/5/2019 09:12:19	0.0	0.1
039	4/5/2019 09:12:49	0.0	0.1
040	4/5/2019 09:13:19	0.0	0.1
041	4/5/2019 09:13:49	0.0	0.1
042	4/5/2019 09:14:19	0.0	0.1
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044	4/5/2019 09:15:19	0.0	0.1
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046	4/5/2019 09:16:19	0.0	0.1
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048	4/5/2019 09:17:19	0.0	0.1
049	4/5/2019 09:17:49	0.0	0.1
050	4/5/2019 09:18:19	0.0	0.1
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052	4/5/2019 09:19:19	0.0	0.1
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054	4/5/2019 09:20:19	0.0	0.1
055	4/5/2019 09:20:49	0.0	0.1
056	4/5/2019 09:21:19	0.0	0.1
057	4/5/2019 09:21:49	0.0	0.1
058	4/5/2019 09:22:19	0.0	0.1
059	4/5/2019 09:22:49	0.0	0.1
060	4/5/2019 09:23:19	0.0	0.1
061	4/5/2019 09:23:49	0.0	0.1
062	4/5/2019 09:24:19	0.0	0.1
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066	4/5/2019 09:26:19	0.0	0.1
067	4/5/2019 09:26:49	0.0	0.1
068	4/5/2019 09:27:19	0.0	0.1
069	4/5/2019 09:27:49	0.0	0.1
070	4/5/2019 09:28:19	0.0	0.1
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072	4/5/2019 09:29:19	0.0	0.1
073	4/5/2019 09:29:49	0.0	0.1
074	4/5/2019 09:30:19	0.0	0.1
075	4/5/2019 09:30:49	0.0	0.1

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077	4/5/2019 09:31:49	0.0	0.1
078	4/5/2019 09:32:19	0.0	0.1
079	4/5/2019 09:32:49	0.0	0.1
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086	4/5/2019 09:36:19	0.0	0.1
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089	4/5/2019 09:37:49	0.0	0.1
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097	4/5/2019 09:41:49	0.0	0.1
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137	4/5/2019 10:01:49	0.0	0.1
138	4/5/2019 10:02:19	0.0	0.1
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144	4/5/2019 10:05:19	0.0	0.1
145	4/5/2019 10:05:49	0.0	0.1
146	4/5/2019 10:06:19	0.0	0.1
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176	4/5/2019 10:21:19	0.0	0.1
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178	4/5/2019 10:22:19	0.0	0.1
179	4/5/2019 10:22:49	0.0	0.1
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214	4/5/2019 10:40:19	0.0	0.1
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217	4/5/2019 10:41:49	0.0	0.1
218	4/5/2019 10:42:19	0.0	0.1
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264	4/5/2019 11:05:19	0.0	0.1
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286	4/5/2019 11:16:19	0.0	0.1
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289	4/5/2019 11:17:49	0.0	0.1
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294	4/5/2019 11:20:19	0.0	0.1
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360	4/5/2019 11:53:19	0.0	0.2
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386	4/5/2019 12:06:19	0.0	0.2
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388	4/5/2019 12:07:19	0.0	0.2
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390	4/5/2019 12:08:19	0.0	0.2
391	4/5/2019 12:08:49	0.0	0.2
392	4/5/2019 12:09:19	0.0	0.2
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394	4/5/2019 12:10:19	0.0	0.2
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405	4/5/2019 12:15:49	0.0	0.2
406	4/5/2019 12:16:19	0.0	0.2
407	4/5/2019 12:16:49	0.0	0.2
408	4/5/2019 12:17:19	0.0	0.2
409	4/5/2019 12:17:49	0.1	0.2
410	4/5/2019 12:18:19	0.1	0.2
411	4/5/2019 12:18:49	0.1	0.2
412	4/5/2019 12:19:19	0.1	0.2
413	4/5/2019 12:19:49	0.1	0.2
414	4/5/2019 12:20:19	0.1	0.2
415	4/5/2019 12:20:49	0.1	0.2
416	4/5/2019 12:21:19	0.1	0.2
417	4/5/2019 12:21:49	0.1	0.2
418	4/5/2019 12:22:19	0.1	0.2
419	4/5/2019 12:22:49	0.1	0.2
420	4/5/2019 12:23:19	0.1	0.2
421	4/5/2019 12:23:49	0.1	0.2
422	4/5/2019 12:24:19	0.1	0.2
423	4/5/2019 12:24:49	0.1	0.2
424	4/5/2019 12:25:19	0.1	0.2
425	4/5/2019 12:25:49	0.1	0.2

426	4/5/2019 12:26:19	0.1	0.2
427	4/5/2019 12:26:49	0.1	0.2
428	4/5/2019 12:27:19	0.1	0.2
429	4/5/2019 12:27:49	0.1	0.2
430	4/5/2019 12:28:19	0.1	0.2
431	4/5/2019 12:28:49	0.1	0.2
432	4/5/2019 12:29:19	0.1	0.2
433	4/5/2019 12:29:49	0.1	0.2
434	4/5/2019 12:30:19	0.1	0.2
435	4/5/2019 12:30:49	0.1	0.2
436	4/5/2019 12:31:19	0.1	0.2
437	4/5/2019 12:31:49	0.1	0.2
438	4/5/2019 12:32:19	0.1	0.2
439	4/5/2019 12:32:49	0.1	0.2
440	4/5/2019 12:33:19	0.1	0.2
441	4/5/2019 12:33:49	0.1	0.2
442	4/5/2019 12:34:19	0.1	0.2
443	4/5/2019 12:34:49	0.1	0.2
444	4/5/2019 12:35:19	0.1	0.2
445	4/5/2019 12:35:49	0.1	0.2
446	4/5/2019 12:36:19	0.1	0.2
447	4/5/2019 12:36:49	0.1	0.2
448	4/5/2019 12:37:19	0.1	0.2
449	4/5/2019 12:37:49	0.1	0.2
450	4/5/2019 12:38:19	0.1	0.2
451	4/5/2019 12:38:49	0.1	0.2
452	4/5/2019 12:39:19	0.1	0.2
453	4/5/2019 12:39:49	0.1	0.2
454	4/5/2019 12:40:19	0.1	0.2
455	4/5/2019 12:40:49	0.1	0.2
456	4/5/2019 12:41:19	0.1	0.2
457	4/5/2019 12:41:49	0.1	0.2
458	4/5/2019 12:42:19	0.1	0.2
459	4/5/2019 12:42:49	0.1	0.2
460	4/5/2019 12:43:19	0.1	0.2
461	4/5/2019 12:43:49	0.1	0.2
462	4/5/2019 12:44:19	0.1	0.2
463	4/5/2019 12:44:49	0.1	0.2
464	4/5/2019 12:45:19	0.1	0.2
465	4/5/2019 12:45:49	0.1	0.2
466	4/5/2019 12:46:19	0.1	0.2
467	4/5/2019 12:46:49	0.1	0.2
468	4/5/2019 12:47:19	0.1	0.2
469	4/5/2019 12:47:49	0.1	0.2
470	4/5/2019 12:48:19	0.1	0.2
471	4/5/2019 12:48:49	0.1	0.2
472	4/5/2019 12:49:19	0.1	0.2
473	4/5/2019 12:49:49	0.1	0.2
474	4/5/2019 12:50:19	0.1	0.2
475	4/5/2019 12:50:49	0.1	0.2

476	4/5/2019 12:51:19	0.1	0.2
477	4/5/2019 12:51:49	0.1	0.2
478	4/5/2019 12:52:19	0.1	0.2
479	4/5/2019 12:52:49	0.1	0.2
480	4/5/2019 12:53:19	0.1	0.2
481	4/5/2019 12:53:49	0.1	0.2
482	4/5/2019 12:54:19	0.1	0.2
483	4/5/2019 12:54:49	0.1	0.2
484	4/5/2019 12:55:19	0.1	0.2
485	4/5/2019 12:55:49	0.1	0.2
486	4/5/2019 12:56:19	0.1	0.2
487	4/5/2019 12:56:49	0.1	0.2
488	4/5/2019 12:57:19	0.1	0.2
489	4/5/2019 12:57:49	0.1	0.2
490	4/5/2019 12:58:19	0.1	0.2
491	4/5/2019 12:58:49	0.1	0.2
492	4/5/2019 12:59:19	0.1	0.2
493	4/5/2019 12:59:49	0.1	0.2
494	4/5/2019 13:00:19	0.1	0.2
495	4/5/2019 13:00:49	0.1	0.2
496	4/5/2019 13:01:19	0.1	0.2
497	4/5/2019 13:01:49	0.1	0.2
498	4/5/2019 13:02:19	0.1	0.2
499	4/5/2019 13:02:49	0.1	0.2
500	4/5/2019 13:03:19	0.1	0.2
501	4/5/2019 13:03:49	0.1	0.2
502	4/5/2019 13:04:19	0.1	0.2
503	4/5/2019 13:04:49	0.1	0.2
504	4/5/2019 13:05:19	0.1	0.2
505	4/5/2019 13:05:49	0.1	0.2
506	4/5/2019 13:06:19	0.1	0.2
507	4/5/2019 13:06:49	0.1	0.2
508	4/5/2019 13:07:19	0.1	0.2
509	4/5/2019 13:07:49	0.1	0.2
510	4/5/2019 13:08:19	0.1	0.2
511	4/5/2019 13:08:49	0.1	0.2
512	4/5/2019 13:09:19	0.1	0.2
513	4/5/2019 13:09:49	0.1	0.2
514	4/5/2019 13:10:19	0.1	0.2
515	4/5/2019 13:10:49	0.1	0.2
516	4/5/2019 13:11:19	0.1	0.2
517	4/5/2019 13:11:49	0.1	0.2
518	4/5/2019 13:12:19	0.1	0.2
519	4/5/2019 13:12:49	0.1	0.2
520	4/5/2019 13:13:19	0.1	0.2
521	4/5/2019 13:13:49	0.1	0.2
522	4/5/2019 13:14:19	0.1	0.2
523	4/5/2019 13:14:49	0.1	0.2
524	4/5/2019 13:15:19	0.1	0.2
525	4/5/2019 13:15:49	0.1	0.2

526	4/5/2019 13:16:19	0.1	0.2
527	4/5/2019 13:16:49	0.1	0.2
528	4/5/2019 13:17:19	0.1	0.2
529	4/5/2019 13:17:49	0.1	0.2
530	4/5/2019 13:18:19	0.1	0.2
531	4/5/2019 13:18:49	0.1	0.2
532	4/5/2019 13:19:19	0.1	0.2
533	4/5/2019 13:19:49	0.1	0.2
534	4/5/2019 13:20:19	0.1	0.2
535	4/5/2019 13:20:49	0.1	0.2
536	4/5/2019 13:21:19	0.1	0.2
537	4/5/2019 13:21:49	0.1	0.2
538	4/5/2019 13:22:19	0.1	0.2
539	4/5/2019 13:22:49	0.1	0.2
540	4/5/2019 13:23:19	0.1	0.2
541	4/5/2019 13:23:49	0.1	0.2
542	4/5/2019 13:24:19	0.1	0.2
543	4/5/2019 13:24:49	0.1	0.2
544	4/5/2019 13:25:19	0.1	0.2
545	4/5/2019 13:25:49	0.1	0.2
546	4/5/2019 13:26:19	0.1	0.2
547	4/5/2019 13:26:49	0.1	0.2
548	4/5/2019 13:27:19	0.1	0.2
549	4/5/2019 13:27:49	0.1	0.2
550	4/5/2019 13:28:19	0.1	0.2
551	4/5/2019 13:28:49	0.1	0.2
552	4/5/2019 13:29:19	0.1	0.2
553	4/5/2019 13:29:49	0.1	0.2
554	4/5/2019 13:30:19	0.1	0.2
555	4/5/2019 13:30:49	0.1	0.2
556	4/5/2019 13:31:19	0.1	0.2
557	4/5/2019 13:31:49	0.1	0.2
558	4/5/2019 13:32:19	0.1	0.2
559	4/5/2019 13:32:49	0.1	0.2
560	4/5/2019 13:33:19	0.1	0.2
561	4/5/2019 13:33:49	0.1	0.2
562	4/5/2019 13:34:19	0.1	0.2
563	4/5/2019 13:34:49	0.1	0.2
564	4/5/2019 13:35:19	0.1	0.2
565	4/5/2019 13:35:49	0.1	0.2
566	4/5/2019 13:36:19	0.1	0.2
567	4/5/2019 13:36:49	0.1	0.2
568	4/5/2019 13:37:19	0.1	0.2
569	4/5/2019 13:37:49	0.1	0.2
570	4/5/2019 13:38:19	0.1	0.2
571	4/5/2019 13:38:49	0.1	0.2
572	4/5/2019 13:39:19	0.1	0.2
573	4/5/2019 13:39:49	0.1	0.2
574	4/5/2019 13:40:19	0.1	0.2
575	4/5/2019 13:40:49	0.1	0.2

576	4/5/2019 13:41:19	0.1	0.2
577	4/5/2019 13:41:49	0.1	0.2
578	4/5/2019 13:42:19	0.1	0.2
579	4/5/2019 13:42:49	0.1	0.2
580	4/5/2019 13:43:19	0.1	0.2
581	4/5/2019 13:43:49	0.1	0.2
582	4/5/2019 13:44:19	0.1	0.2
583	4/5/2019 13:44:49	0.1	0.2
584	4/5/2019 13:45:19	0.1	0.2
585	4/5/2019 13:45:49	0.1	0.2
586	4/5/2019 13:46:19	0.1	0.2
587	4/5/2019 13:46:49	0.1	0.2
588	4/5/2019 13:47:19	0.1	0.2
589	4/5/2019 13:47:49	0.1	0.2
590	4/5/2019 13:48:19	0.1	0.2
591	4/5/2019 13:48:49	0.1	0.2
592	4/5/2019 13:49:19	0.1	0.2
593	4/5/2019 13:49:49	0.1	0.2
594	4/5/2019 13:50:19	0.1	0.2
595	4/5/2019 13:50:49	0.1	0.2
596	4/5/2019 13:51:19	0.1	0.2
597	4/5/2019 13:51:49	0.1	0.2
598	4/5/2019 13:52:19	0.1	0.2
599	4/5/2019 13:52:49	0.1	0.2
600	4/5/2019 13:53:19	0.1	0.2
601	4/5/2019 13:53:49	0.1	0.2
602	4/5/2019 13:54:19	0.1	0.2
603	4/5/2019 13:54:49	0.1	0.2
604	4/5/2019 13:55:19	0.1	0.2
605	4/5/2019 13:55:49	0.1	0.2
606	4/5/2019 13:56:19	0.1	0.2
607	4/5/2019 13:56:49	0.1	0.2
608	4/5/2019 13:57:19	0.1	0.2
609	4/5/2019 13:57:49	0.1	0.2
610	4/5/2019 13:58:19	0.1	0.2
611	4/5/2019 13:58:49	0.1	0.2
612	4/5/2019 13:59:19	0.1	0.2
613	4/5/2019 13:59:49	0.1	0.2
614	4/5/2019 14:00:19	0.1	0.2
615	4/5/2019 14:00:49	0.1	0.2
616	4/5/2019 14:01:19	0.1	0.2
617	4/5/2019 14:01:49	0.1	0.2
618	4/5/2019 14:02:19	0.1	0.2
619	4/5/2019 14:02:49	0.1	0.2
620	4/5/2019 14:03:19	0.1	0.2
621	4/5/2019 14:03:49	0.1	0.2
622	4/5/2019 14:04:19	0.1	0.2
623	4/5/2019 14:04:49	0.1	0.3
624	4/5/2019 14:05:19	0.1	0.3
625	4/5/2019 14:05:49	0.1	0.3

626 4/5/2019 14:06:19 0.1 0.3
627 4/5/2019 14:06:49 0.1 0.3
628 4/5/2019 14:07:19 0.1 0.3
629 4/5/2019 14:07:49 0.1 0.3
630 4/5/2019 14:08:19 0.1 0.3
631 4/5/2019 14:08:49 0.1 0.3
632 4/5/2019 14:09:19 0.1 0.3
633 4/5/2019 14:09:49 0.1 0.3
634 4/5/2019 14:10:19 0.1 0.3
635 4/5/2019 14:10:49 0.1 0.3
636 4/5/2019 14:11:19 0.1 0.3
637 4/5/2019 14:11:49 0.1 0.3
638 4/5/2019 14:12:19 0.1 0.3
639 4/5/2019 14:12:49 0.1 0.3
甎==
19/04/08 08:05
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/8/2019 08:05:35
End 4/8/2019 08:05:56
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/5/2019 08:46

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Datalog

0 record.

甄==========
19/04/08 08:14
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver	V2.16

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

Site ID PES00000
User ID PES00000

Begin	4/8/2019 08:14:27
End	4/8/2019 08:14:46
Sample Period(s)	30
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S0?3030298V9
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	100.0
TWA Alarm	50.0
Measurement Gas Isobutylene
Calibration Time	4/5/2019 08:46

****
Datalog

0 record.

甄==========
19/04/08 08:15
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)

Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/8/2019 08:15:53
End 4/8/2019 15:10:41
Sample Period(s) 30
Number of Records 829

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/5/2019 08:46
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	4/8/2019 08:16:23	0.0	0.0	0.0	0.0	
002	4/8/2019 08:16:53	0.0	0.0	0.0	0.0	
003	4/8/2019 08:17:23	0.0	0.0	0.0	0.0	
004	4/8/2019 08:17:53	0.0	0.0	0.0	0.0	
005	4/8/2019 08:18:23	0.0	0.0	0.0	0.0	
006	4/8/2019 08:18:53	0.0	0.0	0.0	0.0	
007	4/8/2019 08:19:23	0.0	0.0	0.0	0.0	
008	4/8/2019 08:19:53	0.0	0.0	0.0	0.0	
009	4/8/2019 08:20:23	0.0	0.0	0.0	0.0	
010	4/8/2019 08:20:53	0.0	0.0	0.0	0.0	
011	4/8/2019 08:21:23	0.0	0.0	0.0	0.0	
012	4/8/2019 08:21:53	0.0	0.0	0.0	0.0	
013	4/8/2019 08:22:23	0.0	0.0	0.0	0.0	
014	4/8/2019 08:22:53	0.0	0.0	0.0	0.0	

015	4/8/2019 08:23:23	0.0	0.0	0.0	0.0
016	4/8/2019 08:23:53	0.0	0.0	0.0	0.0
017	4/8/2019 08:24:23	0.0	0.0	0.0	0.0
018	4/8/2019 08:24:53	0.0	0.0	0.0	0.0
019	4/8/2019 08:25:23	0.0	0.0	0.0	0.0
020	4/8/2019 08:25:53	0.0	0.0	0.0	0.0
021	4/8/2019 08:26:23	0.0	0.0	0.0	0.0
022	4/8/2019 08:26:53	0.0	0.0	0.0	0.0
023	4/8/2019 08:27:23	0.0	0.0	0.0	0.0
024	4/8/2019 08:27:53	0.0	0.0	0.0	0.0
025	4/8/2019 08:28:23	0.0	0.0	0.0	0.0
026	4/8/2019 08:28:53	0.0	0.0	0.0	0.0
027	4/8/2019 08:29:23	0.0	0.0	0.0	0.0
028	4/8/2019 08:29:53	0.0	0.0	0.0	0.0
029	4/8/2019 08:30:23	0.0	0.0	0.0	0.0
030	4/8/2019 08:30:53	0.0	0.0	0.0	0.0
031	4/8/2019 08:31:23	0.0	0.0	0.0	0.0
032	4/8/2019 08:31:53	0.0	0.0	0.0	0.0
033	4/8/2019 08:32:23	0.0	0.0	0.0	0.0
034	4/8/2019 08:32:53	0.0	0.0	0.0	0.0
035	4/8/2019 08:33:23	0.0	0.0	0.0	0.0
036	4/8/2019 08:33:53	0.0	0.0	0.0	0.0
037	4/8/2019 08:34:23	0.0	0.0	0.0	0.0
038	4/8/2019 08:34:53	0.0	0.0	0.0	0.0
039	4/8/2019 08:35:23	0.0	0.0	0.0	0.0
040	4/8/2019 08:35:53	0.0	0.0	0.0	0.0
041	4/8/2019 08:36:23	0.0	0.0	0.0	0.0
042	4/8/2019 08:36:53	0.0	0.0	0.0	0.0
043	4/8/2019 08:37:23	0.0	0.0	0.0	0.0
044	4/8/2019 08:37:53	0.0	0.0	0.0	0.0
045	4/8/2019 08:38:23	0.0	0.0	0.0	0.0
046	4/8/2019 08:38:53	0.0	0.0	0.0	0.0
047	4/8/2019 08:39:23	0.0	0.0	0.0	0.0
048	4/8/2019 08:39:53	0.0	0.0	0.0	0.0
049	4/8/2019 08:40:23	0.0	0.0	0.0	0.0
050	4/8/2019 08:40:53	0.0	0.0	0.0	0.0
051	4/8/2019 08:41:23	0.0	0.0	0.0	0.0
052	4/8/2019 08:41:53	0.0	0.0	0.0	0.0
053	4/8/2019 08:42:23	0.0	0.0	0.0	0.0
054	4/8/2019 08:42:53	0.0	0.0	0.0	0.0
055	4/8/2019 08:43:23	0.0	0.0	0.0	0.0
056	4/8/2019 08:43:53	0.0	0.0	0.0	0.0
057	4/8/2019 08:44:23	0.0	0.0	0.0	0.0
058	4/8/2019 08:44:53	0.0	0.0	0.0	0.0
059	4/8/2019 08:45:23	0.0	0.0	0.0	0.0
060	4/8/2019 08:45:53	0.0	0.0	0.0	0.0
061	4/8/2019 08:46:23	0.0	0.0	0.0	0.0
062	4/8/2019 08:46:53	0.0	0.0	0.0	0.0
063	4/8/2019 08:47:23	0.0	0.0	0.0	0.0
064	4/8/2019 08:47:53	0.0	0.0	0.0	0.0

065	4/8/2019 08:48:23	0.0	0.0	0.0	0.0
066	4/8/2019 08:48:53	0.0	0.0	0.0	0.0
067	4/8/2019 08:49:23	0.0	0.0	0.0	0.0
068	4/8/2019 08:49:53	0.0	0.0	0.0	0.0
069	4/8/2019 08:50:23	0.0	0.0	0.0	0.0
070	4/8/2019 08:50:53	0.0	0.0	0.0	0.0
071	4/8/2019 08:51:23	0.0	0.0	0.0	0.0
072	4/8/2019 08:51:53	0.0	0.0	0.0	0.0
073	4/8/2019 08:52:23	0.0	0.0	0.0	0.0
074	4/8/2019 08:52:53	0.0	0.0	0.0	0.0
075	4/8/2019 08:53:23	0.0	0.0	0.0	0.0
076	4/8/2019 08:53:53	0.0	0.0	0.0	0.0
077	4/8/2019 08:54:23	0.0	0.0	0.0	0.0
078	4/8/2019 08:54:53	0.0	0.0	0.0	0.0
079	4/8/2019 08:55:23	0.0	0.0	0.0	0.0
080	4/8/2019 08:55:53	0.0	0.0	0.0	0.0
081	4/8/2019 08:56:23	0.0	0.0	0.0	0.0
082	4/8/2019 08:56:53	0.0	0.0	0.0	0.0
083	4/8/2019 08:57:23	0.0	0.0	0.0	0.0
084	4/8/2019 08:57:53	0.0	0.0	0.0	0.0
085	4/8/2019 08:58:23	0.0	0.0	0.0	0.0
086	4/8/2019 08:58:53	0.0	0.0	0.0	0.0
087	4/8/2019 08:59:23	0.0	0.0	0.0	0.0
088	4/8/2019 08:59:53	0.0	0.0	0.0	0.0
089	4/8/2019 09:00:23	0.0	0.0	0.0	0.0
090	4/8/2019 09:00:53	0.0	0.0	0.0	0.0
091	4/8/2019 09:01:23	0.0	0.0	0.0	0.0
092	4/8/2019 09:01:53	0.0	0.0	0.0	0.0
093	4/8/2019 09:02:23	0.0	0.0	0.0	0.0
094	4/8/2019 09:02:53	0.0	0.0	0.0	0.0
095	4/8/2019 09:03:23	0.0	0.0	0.0	0.0
096	4/8/2019 09:03:53	0.0	0.0	0.0	0.0
097	4/8/2019 09:04:23	0.0	0.0	0.0	0.0
098	4/8/2019 09:04:53	0.0	0.0	0.0	0.0
099	4/8/2019 09:05:23	0.0	0.0	0.0	0.0
100	4/8/2019 09:05:53	0.0	0.0	0.0	0.0
101	4/8/2019 09:06:23	0.0	0.0	0.0	0.0
102	4/8/2019 09:06:53	0.0	0.0	0.0	0.0
103	4/8/2019 09:07:23	0.0	0.0	0.0	0.0
104	4/8/2019 09:07:53	0.0	0.0	0.0	0.0
105	4/8/2019 09:08:23	0.0	0.0	0.0	0.0
106	4/8/2019 09:08:53	0.0	0.0	0.0	0.0
107	4/8/2019 09:09:23	0.0	0.0	0.0	0.0
108	4/8/2019 09:09:53	0.0	0.0	0.0	0.0
109	4/8/2019 09:10:23	0.0	0.0	0.0	0.0
110	4/8/2019 09:10:53	0.0	0.0	0.0	0.0
111	4/8/2019 09:11:23	0.0	0.0	0.0	0.0
112	4/8/2019 09:11:53	0.0	0.0	0.0	0.0
113	4/8/2019 09:12:23	0.0	0.0	0.0	0.0
114	4/8/2019 09:12:53	0.0	0.0	0.0	0.0

115	4/8/2019 09:13:23	0.0	0.0	0.0	0.0
116	4/8/2019 09:13:53	0.0	0.0	0.0	0.0
117	4/8/2019 09:14:23	0.0	0.0	0.0	0.0
118	4/8/2019 09:14:53	0.0	0.0	0.0	0.0
119	4/8/2019 09:15:23	0.0	0.0	0.0	0.0
120	4/8/2019 09:15:53	0.0	0.0	0.0	0.0
121	4/8/2019 09:16:23	0.0	0.0	0.0	0.0
122	4/8/2019 09:16:53	0.0	0.0	0.0	0.0
123	4/8/2019 09:17:23	0.0	0.0	0.0	0.0
124	4/8/2019 09:17:53	0.0	0.0	0.0	0.0
125	4/8/2019 09:18:23	0.0	0.0	0.0	0.0
126	4/8/2019 09:18:53	0.0	0.0	0.0	0.0
127	4/8/2019 09:19:23	0.0	0.0	0.0	0.0
128	4/8/2019 09:19:53	0.0	0.0	0.0	0.0
129	4/8/2019 09:20:23	0.0	0.0	0.0	0.0
130	4/8/2019 09:20:53	0.0	0.0	0.0	0.0
131	4/8/2019 09:21:23	0.0	0.0	0.0	0.0
132	4/8/2019 09:21:53	0.0	0.0	0.0	0.0
133	4/8/2019 09:22:23	0.0	0.0	0.0	0.0
134	4/8/2019 09:22:53	0.0	0.0	0.0	0.0
135	4/8/2019 09:23:23	0.0	0.0	0.0	0.0
136	4/8/2019 09:23:53	0.0	0.0	0.0	0.0
137	4/8/2019 09:24:23	0.0	0.0	0.0	0.0
138	4/8/2019 09:24:53	0.0	0.0	0.0	0.0
139	4/8/2019 09:25:23	0.0	0.0	0.0	0.0
140	4/8/2019 09:25:53	0.0	0.0	0.0	0.0
141	4/8/2019 09:26:23	0.0	0.0	0.0	0.0
142	4/8/2019 09:26:53	0.0	0.0	0.0	0.0
143	4/8/2019 09:27:23	0.0	0.0	0.0	0.0
144	4/8/2019 09:27:53	0.0	0.0	0.0	0.0
145	4/8/2019 09:28:23	0.0	0.0	0.0	0.0
146	4/8/2019 09:28:53	0.0	0.0	0.2	0.1
147	4/8/2019 09:29:23	0.0	0.0	0.1	0.0
148	4/8/2019 09:29:53	0.0	0.0	0.0	0.0
149	4/8/2019 09:30:23	0.0	0.0	0.0	0.0
150	4/8/2019 09:30:53	0.0	0.0	0.0	0.0
151	4/8/2019 09:31:23	0.0	0.0	0.0	0.0
152	4/8/2019 09:31:53	0.0	0.0	0.0	0.0
153	4/8/2019 09:32:23	0.0	0.0	0.0	0.0
154	4/8/2019 09:32:53	0.0	0.0	0.0	0.0
155	4/8/2019 09:33:23	0.0	0.0	0.0	0.0
156	4/8/2019 09:33:53	0.0	0.0	0.0	0.0
157	4/8/2019 09:34:23	0.0	0.0	0.0	0.0
158	4/8/2019 09:34:53	0.0	0.0	0.0	0.0
159	4/8/2019 09:35:23	0.0	0.0	0.0	0.0
160	4/8/2019 09:35:53	0.0	0.0	0.0	0.0
161	4/8/2019 09:36:23	0.0	0.0	0.0	0.0
162	4/8/2019 09:36:53	0.0	0.0	0.0	0.0
163	4/8/2019 09:37:23	0.0	0.0	0.0	0.0
164	4/8/2019 09:37:53	0.0	0.0	0.0	0.0

165	4/8/2019 09:38:23	0.0	0.0	0.0	0.0
166	4/8/2019 09:38:53	0.0	0.0	0.0	0.0
167	4/8/2019 09:39:23	0.0	0.0	0.0	0.0
168	4/8/2019 09:39:53	0.0	0.0	0.0	0.0
169	4/8/2019 09:40:23	0.0	0.0	0.0	0.0
170	4/8/2019 09:40:53	0.0	0.0	0.0	0.0
171	4/8/2019 09:41:23	0.0	0.0	0.0	0.0
172	4/8/2019 09:41:53	0.0	0.0	0.0	0.0
173	4/8/2019 09:42:23	0.0	0.0	0.0	0.0
174	4/8/2019 09:42:53	0.0	0.0	0.0	0.0
175	4/8/2019 09:43:23	0.0	0.0	0.0	0.0
176	4/8/2019 09:43:53	0.0	0.0	0.0	0.0
177	4/8/2019 09:44:23	0.0	0.0	0.0	0.0
178	4/8/2019 09:44:53	0.0	0.0	0.0	0.0
179	4/8/2019 09:45:23	0.0	0.0	0.0	0.0
180	4/8/2019 09:45:53	0.0	0.0	0.0	0.0
181	4/8/2019 09:46:23	0.0	0.0	0.0	0.0
182	4/8/2019 09:46:53	0.0	0.0	0.0	0.0
183	4/8/2019 09:47:23	0.0	0.0	0.0	0.0
184	4/8/2019 09:47:53	0.0	0.0	0.0	0.0
185	4/8/2019 09:48:23	0.0	0.0	0.0	0.0
186	4/8/2019 09:48:53	0.0	0.0	0.0	0.0
187	4/8/2019 09:49:23	0.0	0.0	0.0	0.0
188	4/8/2019 09:49:53	0.0	0.0	0.0	0.0
189	4/8/2019 09:50:23	0.0	0.0	0.0	0.0
190	4/8/2019 09:50:53	0.0	0.0	0.0	0.0
191	4/8/2019 09:51:23	0.0	0.0	0.0	0.0
192	4/8/2019 09:51:53	0.0	0.0	0.0	0.0
193	4/8/2019 09:52:23	0.0	0.0	0.0	0.0
194	4/8/2019 09:52:53	0.0	0.0	0.0	0.0
195	4/8/2019 09:53:23	0.0	0.0	0.0	0.0
196	4/8/2019 09:53:53	0.0	0.0	0.0	0.0
197	4/8/2019 09:54:23	0.0	0.0	0.0	0.0
198	4/8/2019 09:54:53	0.0	0.0	0.0	0.0
199	4/8/2019 09:55:23	0.0	0.0	0.0	0.0
200	4/8/2019 09:55:53	0.0	0.0	0.0	0.0
201	4/8/2019 09:56:23	0.0	0.0	0.0	0.0
202	4/8/2019 09:56:53	0.0	0.0	0.0	0.0
203	4/8/2019 09:57:23	0.0	0.0	0.0	0.0
204	4/8/2019 09:57:53	0.0	0.0	0.0	0.0
205	4/8/2019 09:58:23	0.0	0.0	0.0	0.0
206	4/8/2019 09:58:53	0.0	0.0	0.0	0.0
207	4/8/2019 09:59:23	0.0	0.0	0.0	0.0
208	4/8/2019 09:59:53	0.0	0.0	0.0	0.0
209	4/8/2019 10:00:23	0.0	0.0	0.0	0.0
210	4/8/2019 10:00:53	0.0	0.0	0.0	0.0
211	4/8/2019 10:01:23	0.0	0.0	0.0	0.0
212	4/8/2019 10:01:53	0.0	0.0	0.0	0.0
213	4/8/2019 10:02:23	0.0	0.0	0.0	0.0
214	4/8/2019 10:02:53	0.0	0.0	0.0	0.0

215	4/8/2019 10:03:23	0.0	0.0	0.0	0.0
216	4/8/2019 10:03:53	0.0	0.0	0.0	0.0
217	4/8/2019 10:04:23	0.0	0.0	0.0	0.0
218	4/8/2019 10:04:53	0.0	0.0	0.0	0.0
219	4/8/2019 10:05:23	0.0	0.0	0.0	0.0
220	4/8/2019 10:05:53	0.0	0.0	0.0	0.0
221	4/8/2019 10:06:23	0.0	0.0	0.0	0.0
222	4/8/2019 10:06:53	0.0	0.0	0.0	0.0
223	4/8/2019 10:07:23	0.0	0.0	0.0	0.0
224	4/8/2019 10:07:53	0.0	0.0	0.0	0.0
225	4/8/2019 10:08:23	0.0	0.0	0.0	0.0
226	4/8/2019 10:08:53	0.0	0.0	0.0	0.0
227	4/8/2019 10:09:23	0.0	0.0	0.0	0.0
228	4/8/2019 10:09:53	0.0	0.0	0.0	0.0
229	4/8/2019 10:10:23	0.0	0.1	0.1	0.0
230	4/8/2019 10:10:53	0.0	0.0	0.1	0.0
231	4/8/2019 10:11:23	0.0	0.0	0.0	0.0
232	4/8/2019 10:11:53	0.0	0.0	0.0	0.0
233	4/8/2019 10:12:23	0.0	0.0	0.0	0.0
234	4/8/2019 10:12:53	0.0	0.0	0.0	0.0
235	4/8/2019 10:13:23	0.0	0.0	0.0	0.0
236	4/8/2019 10:13:53	0.0	0.0	0.0	0.0
237	4/8/2019 10:14:23	0.0	0.0	0.0	0.0
238	4/8/2019 10:14:53	0.0	0.0	0.0	0.0
239	4/8/2019 10:15:23	0.0	0.0	0.0	0.0
240	4/8/2019 10:15:53	0.0	0.0	0.0	0.0
241	4/8/2019 10:16:23	0.0	0.0	0.0	0.0
242	4/8/2019 10:16:53	0.0	0.0	0.0	0.0
243	4/8/2019 10:17:23	0.0	0.0	0.0	0.0
244	4/8/2019 10:17:53	0.0	0.0	0.0	0.0
245	4/8/2019 10:18:23	0.0	0.0	0.0	0.0
246	4/8/2019 10:18:53	0.0	0.0	0.0	0.0
247	4/8/2019 10:19:23	0.0	0.0	0.0	0.0
248	4/8/2019 10:19:53	0.0	0.0	0.0	0.0
249	4/8/2019 10:20:23	0.0	0.0	0.0	0.0
250	4/8/2019 10:20:53	0.0	0.0	0.0	0.0
251	4/8/2019 10:21:23	0.0	0.0	0.0	0.0
252	4/8/2019 10:21:53	0.0	0.0	0.0	0.0
253	4/8/2019 10:22:23	0.0	0.0	0.0	0.0
254	4/8/2019 10:22:53	0.0	0.0	0.0	0.0
255	4/8/2019 10:23:23	0.0	0.0	0.0	0.0
256	4/8/2019 10:23:53	0.0	0.0	0.0	0.0
257	4/8/2019 10:24:23	0.0	0.0	0.0	0.0
258	4/8/2019 10:24:53	0.0	0.0	0.0	0.0
259	4/8/2019 10:25:23	0.0	0.0	0.0	0.0
260	4/8/2019 10:25:53	0.0	0.0	0.0	0.0
261	4/8/2019 10:26:23	0.0	0.0	0.0	0.0
262	4/8/2019 10:26:53	0.0	0.0	0.0	0.0
263	4/8/2019 10:27:23	0.0	0.0	0.0	0.0
264	4/8/2019 10:27:53	0.0	0.0	0.0	0.0

265	4/8/2019 10:28:23	0.0	0.0	0.0	0.0
266	4/8/2019 10:28:53	0.0	0.0	0.0	0.0
267	4/8/2019 10:29:23	0.0	0.0	0.0	0.0
268	4/8/2019 10:29:53	0.0	0.0	0.0	0.0
269	4/8/2019 10:30:23	0.0	0.0	0.0	0.0
270	4/8/2019 10:30:53	0.0	0.0	0.0	0.0
271	4/8/2019 10:31:23	0.0	0.0	0.0	0.0
272	4/8/2019 10:31:53	0.0	0.0	0.0	0.0
273	4/8/2019 10:32:23	0.0	0.0	0.0	0.0
274	4/8/2019 10:32:53	0.0	0.0	0.0	0.0
275	4/8/2019 10:33:23	0.0	0.0	0.0	0.0
276	4/8/2019 10:33:53	0.0	0.0	0.0	0.0
277	4/8/2019 10:34:23	0.0	0.0	0.0	0.0
278	4/8/2019 10:34:53	0.0	0.0	0.0	0.0
279	4/8/2019 10:35:23	0.0	0.0	0.0	0.0
280	4/8/2019 10:35:53	0.0	0.0	0.0	0.0
281	4/8/2019 10:36:23	0.0	0.0	0.0	0.0
282	4/8/2019 10:36:53	0.0	0.0	0.0	0.0
283	4/8/2019 10:37:23	0.0	0.0	0.0	0.0
284	4/8/2019 10:37:53	0.0	0.0	0.0	0.0
285	4/8/2019 10:38:23	0.0	0.0	0.0	0.0
286	4/8/2019 10:38:53	0.0	0.0	0.0	0.0
287	4/8/2019 10:39:23	0.0	0.0	0.0	0.0
288	4/8/2019 10:39:53	0.0	0.0	0.0	0.0
289	4/8/2019 10:40:23	0.0	0.0	0.0	0.0
290	4/8/2019 10:40:53	0.0	0.0	0.0	0.0
291	4/8/2019 10:41:23	0.0	0.0	0.0	0.0
292	4/8/2019 10:41:53	0.0	0.0	0.1	0.1
293	4/8/2019 10:42:23	0.0	0.0	0.1	0.0
294	4/8/2019 10:42:53	0.0	0.0	0.0	0.0
295	4/8/2019 10:43:23	0.0	0.0	0.0	0.0
296	4/8/2019 10:43:53	0.0	0.0	0.0	0.0
297	4/8/2019 10:44:23	0.0	0.0	0.0	0.0
298	4/8/2019 10:44:53	0.0	0.0	0.0	0.0
299	4/8/2019 10:45:23	0.0	0.0	0.0	0.0
300	4/8/2019 10:45:53	0.0	0.0	0.0	0.0
301	4/8/2019 10:46:23	0.0	0.1	0.1	0.0
302	4/8/2019 10:46:53	0.0	0.0	0.0	0.0
303	4/8/2019 10:47:23	0.0	0.0	0.0	0.0
304	4/8/2019 10:47:53	0.0	0.0	0.0	0.0
305	4/8/2019 10:48:23	0.0	0.0	0.0	0.0
306	4/8/2019 10:48:53	0.0	0.1	0.1	0.1
307	4/8/2019 10:49:23	0.1	0.1	0.2	0.2
308	4/8/2019 10:49:53	0.1	0.1	0.2	0.1
309	4/8/2019 10:50:23	0.1	0.1	0.1	0.1
310	4/8/2019 10:50:53	0.1	0.1	0.1	0.1
311	4/8/2019 10:51:23	0.0	0.1	0.2	0.0
312	4/8/2019 10:51:53	0.0	0.0	0.0	0.0
313	4/8/2019 10:52:23	0.0	0.0	0.0	0.0
314	4/8/2019 10:52:53	0.0	0.0	0.1	0.0

315	4/8/2019 10:53:23	0.0	0.0	0.0	0.0
316	4/8/2019 10:53:53	0.0	0.0	0.1	0.1
317	4/8/2019 10:54:23	0.1	0.1	0.1	0.1
318	4/8/2019 10:54:53	0.1	0.1	0.1	0.1
319	4/8/2019 10:55:23	0.1	0.1	0.1	0.1
320	4/8/2019 10:55:53	0.0	0.0	0.1	0.0
321	4/8/2019 10:56:23	0.0	0.0	0.1	0.0
322	4/8/2019 10:56:53	0.0	0.0	0.0	0.0
323	4/8/2019 10:57:23	0.0	0.0	0.1	0.1
324	4/8/2019 10:57:53	0.0	0.0	0.1	0.1
325	4/8/2019 10:58:23	0.0	0.1	0.1	0.0
326	4/8/2019 10:58:53	0.0	0.0	0.0	0.0
327	4/8/2019 10:59:23	0.0	0.0	0.0	0.0
328	4/8/2019 10:59:53	0.0	0.0	0.1	0.0
329	4/8/2019 11:00:23	0.0	0.0	0.1	0.1
330	4/8/2019 11:00:53	0.0	0.0	0.1	0.0
331	4/8/2019 11:01:23	0.0	0.0	0.0	0.0
332	4/8/2019 11:01:53	0.0	0.0	0.0	0.0
333	4/8/2019 11:02:23	0.0	0.0	0.0	0.0
334	4/8/2019 11:02:53	0.0	0.0	0.0	0.0
335	4/8/2019 11:03:23	0.0	0.0	0.0	0.0
336	4/8/2019 11:03:53	0.0	0.0	0.0	0.0
337	4/8/2019 11:04:23	0.0	0.0	0.1	0.0
338	4/8/2019 11:04:53	0.0	0.0	0.1	0.0
339	4/8/2019 11:05:23	0.0	0.1	0.1	0.1
340	4/8/2019 11:05:53	0.0	0.0	0.1	0.0
341	4/8/2019 11:06:23	0.0	0.0	0.0	0.0
342	4/8/2019 11:06:53	0.0	0.0	0.1	0.1
343	4/8/2019 11:07:23	0.0	0.0	0.1	0.0
344	4/8/2019 11:07:53	0.0	0.0	0.1	0.1
345	4/8/2019 11:08:23	0.0	0.0	0.0	0.0
346	4/8/2019 11:08:53	0.0	0.0	0.1	0.0
347	4/8/2019 11:09:23	0.0	0.0	0.0	0.0
348	4/8/2019 11:09:53	0.0	0.0	0.0	0.0
349	4/8/2019 11:10:23	0.0	0.0	0.0	0.0
350	4/8/2019 11:10:53	0.0	0.0	0.0	0.0
351	4/8/2019 11:11:23	0.0	0.0	0.0	0.0
352	4/8/2019 11:11:53	0.0	0.0	0.0	0.0
353	4/8/2019 11:12:23	0.0	0.0	0.1	0.1
354	4/8/2019 11:12:53	0.0	0.1	0.1	0.0
355	4/8/2019 11:13:23	0.0	0.0	0.1	0.1
356	4/8/2019 11:13:53	0.0	0.0	0.1	0.0
357	4/8/2019 11:14:23	0.0	0.0	0.0	0.0
358	4/8/2019 11:14:53	0.0	0.0	0.0	0.0
359	4/8/2019 11:15:23	0.0	0.0	0.0	0.0
360	4/8/2019 11:15:53	0.0	0.0	0.1	0.0
361	4/8/2019 11:16:23	0.0	0.0	0.1	0.0
362	4/8/2019 11:16:53	0.0	0.1	0.1	0.1
363	4/8/2019 11:17:23	0.1	0.1	0.1	0.1
364	4/8/2019 11:17:53	0.0	0.1	0.1	0.0

365	4/8/2019 11:18:23	0.0	0.0	0.0	0.0
366	4/8/2019 11:18:53	0.0	0.0	0.0	0.0
367	4/8/2019 11:19:23	0.0	0.0	0.0	0.0
368	4/8/2019 11:19:53	0.0	0.0	0.0	0.0
369	4/8/2019 11:20:23	0.0	0.0	0.0	0.0
370	4/8/2019 11:20:53	0.0	0.0	0.0	0.0
371	4/8/2019 11:21:23	0.0	0.0	0.0	0.0
372	4/8/2019 11:21:53	0.0	0.0	0.0	0.0
373	4/8/2019 11:22:23	0.0	0.0	0.0	0.0
374	4/8/2019 11:22:53	0.0	0.0	0.1	0.0
375	4/8/2019 11:23:23	0.0	0.0	0.0	0.0
376	4/8/2019 11:23:53	0.0	0.0	0.0	0.0
377	4/8/2019 11:24:23	0.0	0.0	0.0	0.0
378	4/8/2019 11:24:53	0.0	0.0	0.0	0.0
379	4/8/2019 11:25:23	0.0	0.0	0.1	0.0
380	4/8/2019 11:25:53	0.0	0.0	0.0	0.0
381	4/8/2019 11:26:23	0.0	0.0	0.1	0.0
382	4/8/2019 11:26:53	0.0	0.0	0.1	0.0
383	4/8/2019 11:27:23	0.0	0.0	0.0	0.0
384	4/8/2019 11:27:53	0.0	0.0	0.0	0.0
385	4/8/2019 11:28:23	0.0	0.0	0.0	0.0
386	4/8/2019 11:28:53	0.0	0.1	0.1	0.1
387	4/8/2019 11:29:23	0.0	0.1	0.1	0.0
388	4/8/2019 11:29:53	0.0	0.0	0.0	0.0
389	4/8/2019 11:30:23	0.0	0.0	0.0	0.0
390	4/8/2019 11:30:53	0.0	0.0	0.1	0.0
391	4/8/2019 11:31:23	0.0	0.0	0.0	0.0
392	4/8/2019 11:31:53	0.0	0.0	0.0	0.0
393	4/8/2019 11:32:23	0.0	0.0	0.0	0.0
394	4/8/2019 11:32:53	0.0	0.0	0.0	0.0
395	4/8/2019 11:33:23	0.0	0.0	0.0	0.0
396	4/8/2019 11:33:53	0.0	0.0	0.0	0.0
397	4/8/2019 11:34:23	0.0	0.0	0.0	0.0
398	4/8/2019 11:34:53	0.0	0.0	0.1	0.1
399	4/8/2019 11:35:23	0.0	0.1	0.1	0.1
400	4/8/2019 11:35:53	0.0	0.0	0.1	0.0
401	4/8/2019 11:36:23	0.0	0.0	0.0	0.0
402	4/8/2019 11:36:53	0.0	0.0	0.0	0.0
403	4/8/2019 11:37:23	0.0	0.0	0.0	0.0
404	4/8/2019 11:37:53	0.0	0.1	0.1	0.1
405	4/8/2019 11:38:23	0.1	0.1	0.1	0.1
406	4/8/2019 11:38:53	0.1	0.1	0.1	0.1
407	4/8/2019 11:39:23	0.1	0.1	0.1	0.1
408	4/8/2019 11:39:53	0.1	0.1	0.1	0.1
409	4/8/2019 11:40:23	0.1	0.1	0.1	0.1
410	4/8/2019 11:40:53	0.1	0.1	0.1	0.1
411	4/8/2019 11:41:23	0.1	0.1	0.1	0.1
412	4/8/2019 11:41:53	0.1	0.1	0.1	0.1
413	4/8/2019 11:42:23	0.0	0.0	0.1	0.0
414	4/8/2019 11:42:53	0.0	0.0	0.1	0.0

415	4/8/2019 11:43:23	0.0	0.1	0.1	0.1
416	4/8/2019 11:43:53	0.0	0.1	0.1	0.0
417	4/8/2019 11:44:23	0.0	0.0	0.0	0.0
418	4/8/2019 11:44:53	0.0	0.0	0.1	0.0
419	4/8/2019 11:45:23	0.0	0.0	0.1	0.1
420	4/8/2019 11:45:53	0.0	0.0	0.1	0.0
421	4/8/2019 11:46:23	0.0	0.1	0.1	0.1
422	4/8/2019 11:46:53	0.1	0.1	0.1	0.1
423	4/8/2019 11:47:23	0.1	0.1	0.1	0.1
424	4/8/2019 11:47:53	0.1	0.1	0.1	0.1
425	4/8/2019 11:48:23	0.0	0.1	0.1	0.0
426	4/8/2019 11:48:53	0.0	0.0	0.1	0.1
427	4/8/2019 11:49:23	0.1	0.1	0.1	0.1
428	4/8/2019 11:49:53	0.0	0.1	0.1	0.1
429	4/8/2019 11:50:23	0.1	0.1	0.1	0.1
430	4/8/2019 11:50:53	0.1	0.1	0.2	0.1
431	4/8/2019 11:51:23	0.1	0.1	0.3	0.1
432	4/8/2019 11:51:53	0.1	0.1	0.1	0.1
433	4/8/2019 11:52:23	0.1	0.1	0.1	0.1
434	4/8/2019 11:52:53	0.0	0.1	0.1	0.1
435	4/8/2019 11:53:23	0.1	0.1	0.1	0.1
436	4/8/2019 11:53:53	0.1	0.1	0.1	0.1
437	4/8/2019 11:54:23	0.1	0.1	0.1	0.1
438	4/8/2019 11:54:53	0.1	0.1	0.1	0.1
439	4/8/2019 11:55:23	0.1	0.1	0.1	0.1
440	4/8/2019 11:55:53	0.1	0.1	0.1	0.1
441	4/8/2019 11:56:23	0.1	0.1	0.1	0.1
442	4/8/2019 11:56:53	0.1	0.1	0.1	0.1
443	4/8/2019 11:57:23	0.1	0.1	0.1	0.1
444	4/8/2019 11:57:53	0.1	0.1	0.1	0.1
445	4/8/2019 11:58:23	0.1	0.1	0.1	0.1
446	4/8/2019 11:58:53	0.1	0.1	0.1	0.1
447	4/8/2019 11:59:23	0.1	0.1	0.1	0.1
448	4/8/2019 11:59:53	0.1	0.1	0.1	0.1
449	4/8/2019 12:00:23	0.1	0.1	0.1	0.1
450	4/8/2019 12:00:53	0.1	0.1	0.1	0.1
451	4/8/2019 12:01:23	0.1	0.1	0.1	0.1
452	4/8/2019 12:01:53	0.1	0.1	0.1	0.1
453	4/8/2019 12:02:23	0.1	0.1	0.1	0.1
454	4/8/2019 12:02:53	0.1	0.1	0.1	0.1
455	4/8/2019 12:03:23	0.1	0.1	0.1	0.1
456	4/8/2019 12:03:53	0.1	0.1	0.1	0.1
457	4/8/2019 12:04:23	0.1	0.1	0.1	0.1
458	4/8/2019 12:04:53	0.1	0.1	0.1	0.1
459	4/8/2019 12:05:23	0.1	0.1	0.1	0.1
460	4/8/2019 12:05:53	0.1	0.1	0.1	0.1
461	4/8/2019 12:06:23	0.1	0.1	0.1	0.1
462	4/8/2019 12:06:53	0.1	0.1	0.1	0.1
463	4/8/2019 12:07:23	0.1	0.1	0.1	0.1
464	4/8/2019 12:07:53	0.1	0.1	0.1	0.1

465	4/8/2019 12:08:23	0.1	0.1	0.1	0.1
466	4/8/2019 12:08:53	0.0	0.1	0.1	0.1
467	4/8/2019 12:09:23	0.1	0.1	0.1	0.1
468	4/8/2019 12:09:53	0.1	0.1	0.1	0.1
469	4/8/2019 12:10:23	0.1	0.1	0.1	0.1
470	4/8/2019 12:10:53	0.0	0.1	0.1	0.1
471	4/8/2019 12:11:23	0.1	0.1	0.1	0.1
472	4/8/2019 12:11:53	0.1	0.1	0.1	0.1
473	4/8/2019 12:12:23	0.1	0.1	0.1	0.1
474	4/8/2019 12:12:53	0.0	0.1	0.1	0.1
475	4/8/2019 12:13:23	0.1	0.1	0.1	0.1
476	4/8/2019 12:13:53	0.1	0.1	0.1	0.1
477	4/8/2019 12:14:23	0.0	0.1	0.1	0.1
478	4/8/2019 12:14:53	0.0	0.1	0.1	0.1
479	4/8/2019 12:15:23	0.0	0.1	0.1	0.1
480	4/8/2019 12:15:53	0.1	0.1	0.1	0.1
481	4/8/2019 12:16:23	0.1	0.1	0.1	0.1
482	4/8/2019 12:16:53	0.1	0.1	0.1	0.1
483	4/8/2019 12:17:23	0.1	0.1	0.1	0.1
484	4/8/2019 12:17:53	0.1	0.1	0.1	0.1
485	4/8/2019 12:18:23	0.1	0.1	0.1	0.1
486	4/8/2019 12:18:53	0.1	0.1	0.1	0.1
487	4/8/2019 12:19:23	0.1	0.1	0.1	0.1
488	4/8/2019 12:19:53	0.1	0.1	0.1	0.1
489	4/8/2019 12:20:23	0.1	0.1	0.1	0.1
490	4/8/2019 12:20:53	0.1	0.1	0.1	0.1
491	4/8/2019 12:21:23	0.1	0.1	0.1	0.1
492	4/8/2019 12:21:53	0.1	0.1	0.1	0.1
493	4/8/2019 12:22:23	0.1	0.1	0.1	0.1
494	4/8/2019 12:22:53	0.1	0.1	0.1	0.1
495	4/8/2019 12:23:23	0.1	0.1	0.1	0.1
496	4/8/2019 12:23:53	0.1	0.1	0.1	0.1
497	4/8/2019 12:24:23	0.1	0.1	0.1	0.1
498	4/8/2019 12:24:53	0.1	0.1	0.1	0.1
499	4/8/2019 12:25:23	0.1	0.1	0.1	0.1
500	4/8/2019 12:25:53	0.1	0.1	0.1	0.1
501	4/8/2019 12:26:23	0.1	0.1	0.1	0.1
502	4/8/2019 12:26:53	0.1	0.1	0.1	0.1
503	4/8/2019 12:27:23	0.1	0.1	0.1	0.1
504	4/8/2019 12:27:53	0.1	0.1	0.1	0.1
505	4/8/2019 12:28:23	0.1	0.1	0.1	0.1
506	4/8/2019 12:28:53	0.1	0.1	0.1	0.1
507	4/8/2019 12:29:23	0.1	0.1	0.1	0.1
508	4/8/2019 12:29:53	0.1	0.1	0.1	0.1
509	4/8/2019 12:30:23	0.1	0.1	0.1	0.1
510	4/8/2019 12:30:53	0.1	0.1	0.1	0.1
511	4/8/2019 12:31:23	0.1	0.1	0.1	0.1
512	4/8/2019 12:31:53	0.1	0.1	0.1	0.1
513	4/8/2019 12:32:23	0.1	0.1	0.1	0.1
514	4/8/2019 12:32:53	0.1	0.1	0.1	0.1

515	4/8/2019 12:33:23	0.1	0.1	0.1	0.1
516	4/8/2019 12:33:53	0.1	0.1	0.1	0.1
517	4/8/2019 12:34:23	0.1	0.1	0.1	0.1
518	4/8/2019 12:34:53	0.1	0.1	0.1	0.1
519	4/8/2019 12:35:23	0.1	0.1	0.1	0.1
520	4/8/2019 12:35:53	0.1	0.1	0.1	0.1
521	4/8/2019 12:36:23	0.1	0.1	0.1	0.1
522	4/8/2019 12:36:53	0.1	0.1	0.1	0.1
523	4/8/2019 12:37:23	0.1	0.1	0.1	0.1
524	4/8/2019 12:37:53	0.1	0.1	0.1	0.1
525	4/8/2019 12:38:23	0.1	0.1	0.1	0.1
526	4/8/2019 12:38:53	0.1	0.1	0.1	0.1
527	4/8/2019 12:39:23	0.1	0.1	0.1	0.1
528	4/8/2019 12:39:53	0.1	0.1	0.1	0.1
529	4/8/2019 12:40:23	0.1	0.1	0.1	0.1
530	4/8/2019 12:40:53	0.1	0.1	0.1	0.1
531	4/8/2019 12:41:23	0.1	0.1	0.1	0.1
532	4/8/2019 12:41:53	0.1	0.1	0.1	0.1
533	4/8/2019 12:42:23	0.1	0.1	0.1	0.1
534	4/8/2019 12:42:53	0.1	0.1	0.1	0.1
535	4/8/2019 12:43:23	0.1	0.1	0.1	0.1
536	4/8/2019 12:43:53	0.1	0.1	0.1	0.1
537	4/8/2019 12:44:23	0.1	0.1	0.1	0.1
538	4/8/2019 12:44:53	0.1	0.1	0.1	0.1
539	4/8/2019 12:45:23	0.1	0.1	0.1	0.1
540	4/8/2019 12:45:53	0.1	0.1	0.1	0.1
541	4/8/2019 12:46:23	0.1	0.1	0.1	0.1
542	4/8/2019 12:46:53	0.1	0.1	0.1	0.1
543	4/8/2019 12:47:23	0.1	0.1	0.1	0.1
544	4/8/2019 12:47:53	0.1	0.1	0.1	0.1
545	4/8/2019 12:48:23	0.1	0.1	0.1	0.1
546	4/8/2019 12:48:53	0.1	0.1	0.1	0.1
547	4/8/2019 12:49:23	0.1	0.1	0.1	0.1
548	4/8/2019 12:49:53	0.1	0.1	0.1	0.1
549	4/8/2019 12:50:23	0.1	0.1	0.1	0.1
550	4/8/2019 12:50:53	0.1	0.1	0.1	0.1
551	4/8/2019 12:51:23	0.1	0.1	0.1	0.1
552	4/8/2019 12:51:53	0.1	0.1	0.1	0.1
553	4/8/2019 12:52:23	0.1	0.1	0.1	0.1
554	4/8/2019 12:52:53	0.1	0.1	0.1	0.1
555	4/8/2019 12:53:23	0.1	0.1	0.1	0.1
556	4/8/2019 12:53:53	0.1	0.1	0.1	0.1
557	4/8/2019 12:54:23	0.1	0.1	0.1	0.1
558	4/8/2019 12:54:53	0.1	0.1	0.1	0.1
559	4/8/2019 12:55:23	0.1	0.1	0.1	0.1
560	4/8/2019 12:55:53	0.1	0.1	0.1	0.1
561	4/8/2019 12:56:23	0.1	0.1	0.1	0.1
562	4/8/2019 12:56:53	0.1	0.1	0.1	0.1
563	4/8/2019 12:57:23	0.1	0.1	0.1	0.1
564	4/8/2019 12:57:53	0.1	0.1	0.1	0.1

565	4/8/2019 12:58:23	0.1	0.1	0.1	0.1
566	4/8/2019 12:58:53	0.1	0.1	0.1	0.1
567	4/8/2019 12:59:23	0.1	0.1	0.1	0.1
568	4/8/2019 12:59:53	0.1	0.1	0.1	0.1
569	4/8/2019 13:00:23	0.1	0.1	0.1	0.1
570	4/8/2019 13:00:53	0.1	0.1	0.1	0.1
571	4/8/2019 13:01:23	0.1	0.1	0.1	0.1
572	4/8/2019 13:01:53	0.1	0.1	0.1	0.1
573	4/8/2019 13:02:23	0.1	0.1	0.1	0.1
574	4/8/2019 13:02:53	0.1	0.1	0.1	0.1
575	4/8/2019 13:03:23	0.1	0.1	0.1	0.1
576	4/8/2019 13:03:53	0.1	0.1	0.1	0.1
577	4/8/2019 13:04:23	0.1	0.1	0.1	0.1
578	4/8/2019 13:04:53	0.1	0.1	0.1	0.1
579	4/8/2019 13:05:23	0.0	0.1	0.1	0.0
580	4/8/2019 13:05:53	0.0	0.0	0.1	0.1
581	4/8/2019 13:06:23	0.0	0.0	0.1	0.0
582	4/8/2019 13:06:53	0.0	0.0	0.1	0.0
583	4/8/2019 13:07:23	0.0	0.0	0.1	0.1
584	4/8/2019 13:07:53	0.0	0.1	0.1	0.0
585	4/8/2019 13:08:23	0.0	0.1	0.1	0.1
586	4/8/2019 13:08:53	0.0	0.1	0.1	0.0
587	4/8/2019 13:09:23	0.0	0.0	0.1	0.0
588	4/8/2019 13:09:53	0.0	0.1	0.1	0.1
589	4/8/2019 13:10:23	0.0	0.1	0.1	0.1
590	4/8/2019 13:10:53	0.0	0.0	0.0	0.0
591	4/8/2019 13:11:23	0.0	0.0	0.1	0.0
592	4/8/2019 13:11:53	0.0	0.1	0.1	0.1
593	4/8/2019 13:12:23	0.1	0.1	0.1	0.1
594	4/8/2019 13:12:53	0.0	0.1	0.1	0.0
595	4/8/2019 13:13:23	0.0	0.1	0.2	0.1
596	4/8/2019 13:13:53	0.0	0.1	0.1	0.1
597	4/8/2019 13:14:23	0.1	0.1	0.1	0.1
598	4/8/2019 13:14:53	0.0	0.0	0.1	0.1
599	4/8/2019 13:15:23	0.1	0.1	0.1	0.1
600	4/8/2019 13:15:53	0.1	0.1	0.1	0.1
601	4/8/2019 13:16:23	0.0	0.1	0.1	0.1
602	4/8/2019 13:16:53	0.0	0.1	0.1	0.0
603	4/8/2019 13:17:23	0.0	0.1	0.1	0.1
604	4/8/2019 13:17:53	0.0	0.0	0.1	0.0
605	4/8/2019 13:18:23	0.0	0.0	0.1	0.0
606	4/8/2019 13:18:53	0.0	0.1	0.1	0.1
607	4/8/2019 13:19:23	0.1	0.1	0.1	0.1
608	4/8/2019 13:19:53	0.1	0.1	0.1	0.1
609	4/8/2019 13:20:23	0.1	0.1	0.1	0.1
610	4/8/2019 13:20:53	0.0	0.1	0.1	0.1
611	4/8/2019 13:21:23	0.1	0.1	0.1	0.1
612	4/8/2019 13:21:53	0.1	0.1	0.1	0.1
613	4/8/2019 13:22:23	0.1	0.1	0.1	0.1
614	4/8/2019 13:22:53	0.1	0.1	0.1	0.1

615	4/8/2019 13:23:23	0.1	0.1	0.1	0.1
616	4/8/2019 13:23:53	0.1	0.1	0.1	0.1
617	4/8/2019 13:24:23	0.1	0.1	0.1	0.1
618	4/8/2019 13:24:53	0.1	0.1	0.1	0.1
619	4/8/2019 13:25:23	0.1	0.1	0.1	0.1
620	4/8/2019 13:25:53	0.1	0.1	0.1	0.1
621	4/8/2019 13:26:23	0.1	0.1	0.1	0.1
622	4/8/2019 13:26:53	0.1	0.1	0.1	0.1
623	4/8/2019 13:27:23	0.1	0.1	0.1	0.1
624	4/8/2019 13:27:53	0.1	0.1	0.1	0.1
625	4/8/2019 13:28:23	0.1	0.1	0.1	0.1
626	4/8/2019 13:28:53	0.1	0.1	0.1	0.1
627	4/8/2019 13:29:23	0.1	0.1	0.1	0.1
628	4/8/2019 13:29:53	0.1	0.1	0.1	0.1
629	4/8/2019 13:30:23	0.1	0.1	0.1	0.1
630	4/8/2019 13:30:53	0.1	0.1	0.1	0.1
631	4/8/2019 13:31:23	0.1	0.1	0.1	0.1
632	4/8/2019 13:31:53	0.1	0.1	0.1	0.1
633	4/8/2019 13:32:23	0.1	0.1	0.1	0.1
634	4/8/2019 13:32:53	0.0	0.1	0.1	0.1
635	4/8/2019 13:33:23	0.1	0.1	0.1	0.1
636	4/8/2019 13:33:53	0.1	0.1	0.1	0.1
637	4/8/2019 13:34:23	0.1	0.1	0.1	0.1
638	4/8/2019 13:34:53	0.1	0.1	0.1	0.1
639	4/8/2019 13:35:23	0.1	0.1	0.1	0.1
640	4/8/2019 13:35:53	0.1	0.1	0.1	0.1
641	4/8/2019 13:36:23	0.0	0.1	0.1	0.1
642	4/8/2019 13:36:53	0.0	0.1	0.1	0.1
643	4/8/2019 13:37:23	0.0	0.1	0.1	0.1
644	4/8/2019 13:37:53	0.0	0.1	0.1	0.1
645	4/8/2019 13:38:23	0.1	0.1	0.1	0.1
646	4/8/2019 13:38:53	0.0	0.1	0.1	0.1
647	4/8/2019 13:39:23	0.0	0.1	0.1	0.1
648	4/8/2019 13:39:53	0.1	0.1	0.1	0.1
649	4/8/2019 13:40:23	0.0	0.1	0.1	0.0
650	4/8/2019 13:40:53	0.0	0.1	0.1	0.1
651	4/8/2019 13:41:23	0.0	0.1	0.1	0.1
652	4/8/2019 13:41:53	0.0	0.0	0.1	0.0
653	4/8/2019 13:42:23	0.0	0.0	0.1	0.0
654	4/8/2019 13:42:53	0.0	0.0	0.1	0.1
655	4/8/2019 13:43:23	0.0	0.0	0.1	0.0
656	4/8/2019 13:43:53	0.0	0.0	0.0	0.0
657	4/8/2019 13:44:23	0.0	0.0	0.0	0.0
658	4/8/2019 13:44:53	0.0	0.0	0.0	0.0
659	4/8/2019 13:45:23	0.0	0.0	0.0	0.0
660	4/8/2019 13:45:53	0.0	0.0	0.0	0.0
661	4/8/2019 13:46:23	0.0	0.1	0.2	0.1
662	4/8/2019 13:46:53	0.0	0.0	0.1	0.0
663	4/8/2019 13:47:23	0.0	0.0	0.0	0.0
664	4/8/2019 13:47:53	0.0	0.0	0.0	0.0

665	4/8/2019 13:48:23	0.0	0.0	0.0	0.0
666	4/8/2019 13:48:53	0.0	0.0	0.0	0.0
667	4/8/2019 13:49:23	0.0	0.0	0.0	0.0
668	4/8/2019 13:49:53	0.0	0.0	0.0	0.0
669	4/8/2019 13:50:23	0.0	0.0	0.0	0.0
670	4/8/2019 13:50:53	0.0	0.0	0.0	0.0
671	4/8/2019 13:51:23	0.0	0.0	0.0	0.0
672	4/8/2019 13:51:53	0.0	0.0	0.0	0.0
673	4/8/2019 13:52:23	0.0	0.0	0.0	0.0
674	4/8/2019 13:52:53	0.0	0.0	0.0	0.0
675	4/8/2019 13:53:23	0.0	0.0	0.0	0.0
676	4/8/2019 13:53:53	0.0	0.0	0.0	0.0
677	4/8/2019 13:54:23	0.0	0.0	0.0	0.0
678	4/8/2019 13:54:53	0.0	0.0	0.0	0.0
679	4/8/2019 13:55:23	0.0	0.0	0.0	0.0
680	4/8/2019 13:55:53	0.0	0.0	0.0	0.0
681	4/8/2019 13:56:23	0.0	0.0	0.0	0.0
682	4/8/2019 13:56:53	0.0	0.0	0.0	0.0
683	4/8/2019 13:57:23	0.0	0.0	0.0	0.0
684	4/8/2019 13:57:53	0.0	0.0	0.0	0.0
685	4/8/2019 13:58:23	0.0	0.0	0.0	0.0
686	4/8/2019 13:58:53	0.0	0.0	0.0	0.0
687	4/8/2019 13:59:23	0.0	0.0	0.0	0.0
688	4/8/2019 13:59:53	0.0	0.0	0.0	0.0
689	4/8/2019 14:00:23	0.0	0.0	0.0	0.0
690	4/8/2019 14:00:53	0.0	0.0	0.0	0.0
691	4/8/2019 14:01:23	0.0	0.0	0.0	0.0
692	4/8/2019 14:01:53	0.0	0.0	0.0	0.0
693	4/8/2019 14:02:23	0.0	0.0	0.0	0.0
694	4/8/2019 14:02:53	0.0	0.0	0.0	0.0
695	4/8/2019 14:03:23	0.0	0.0	0.1	0.1
696	4/8/2019 14:03:53	0.1	0.1	0.1	0.1
697	4/8/2019 14:04:23	0.0	0.1	0.1	0.0
698	4/8/2019 14:04:53	0.0	0.0	0.0	0.0
699	4/8/2019 14:05:23	0.0	0.0	0.0	0.0
700	4/8/2019 14:05:53	0.0	0.0	0.0	0.0
701	4/8/2019 14:06:23	0.0	0.0	0.0	0.0
702	4/8/2019 14:06:53	0.0	0.0	0.0	0.0
703	4/8/2019 14:07:23	0.0	0.0	0.0	0.0
704	4/8/2019 14:07:53	0.0	0.0	0.0	0.0
705	4/8/2019 14:08:23	0.0	0.0	0.0	0.0
706	4/8/2019 14:08:53	0.0	0.0	0.0	0.0
707	4/8/2019 14:09:23	0.0	0.0	0.0	0.0
708	4/8/2019 14:09:53	0.0	0.0	0.0	0.0
709	4/8/2019 14:10:23	0.0	0.0	0.1	0.0
710	4/8/2019 14:10:53	0.0	0.0	0.0	0.0
711	4/8/2019 14:11:23	0.0	0.0	0.0	0.0
712	4/8/2019 14:11:53	0.0	0.0	0.1	0.1
713	4/8/2019 14:12:23	0.0	0.1	0.1	0.1
714	4/8/2019 14:12:53	0.0	0.0	0.1	0.0

715	4/8/2019 14:13:23	0.0	0.0	0.0	0.0
716	4/8/2019 14:13:53	0.0	0.0	0.0	0.0
717	4/8/2019 14:14:23	0.0	0.0	0.0	0.0
718	4/8/2019 14:14:53	0.0	0.1	0.1	0.1
719	4/8/2019 14:15:23	0.1	0.1	0.1	0.1
720	4/8/2019 14:15:53	0.1	0.1	0.1	0.1
721	4/8/2019 14:16:23	0.0	0.1	0.1	0.1
722	4/8/2019 14:16:53	0.0	0.1	0.1	0.1
723	4/8/2019 14:17:23	0.1	0.1	0.1	0.1
724	4/8/2019 14:17:53	0.1	0.1	0.1	0.1
725	4/8/2019 14:18:23	0.1	0.1	0.1	0.1
726	4/8/2019 14:18:53	0.1	0.1	0.1	0.1
727	4/8/2019 14:19:23	0.1	0.1	0.1	0.1
728	4/8/2019 14:19:53	0.1	0.1	0.1	0.1
729	4/8/2019 14:20:23	0.1	0.1	0.1	0.1
730	4/8/2019 14:20:53	0.1	0.1	0.1	0.1
731	4/8/2019 14:21:23	0.1	0.1	0.1	0.1
732	4/8/2019 14:21:53	0.1	0.1	0.1	0.1
733	4/8/2019 14:22:23	0.1	0.1	0.2	0.2
734	4/8/2019 14:22:53	0.1	0.1	0.2	0.1
735	4/8/2019 14:23:23	0.1	0.1	0.1	0.1
736	4/8/2019 14:23:53	0.1	0.1	0.1	0.1
737	4/8/2019 14:24:23	0.1	0.1	0.1	0.1
738	4/8/2019 14:24:53	0.1	0.1	0.1	0.1
739	4/8/2019 14:25:23	0.1	0.1	0.1	0.1
740	4/8/2019 14:25:53	0.1	0.1	0.1	0.1
741	4/8/2019 14:26:23	0.1	0.1	0.1	0.1
742	4/8/2019 14:26:53	0.1	0.1	0.1	0.1
743	4/8/2019 14:27:23	0.1	0.1	0.1	0.1
744	4/8/2019 14:27:53	0.1	0.1	0.1	0.1
745	4/8/2019 14:28:23	0.1	0.1	0.1	0.1
746	4/8/2019 14:28:53	0.1	0.1	0.1	0.1
747	4/8/2019 14:29:23	0.1	0.1	0.1	0.1
748	4/8/2019 14:29:53	0.1	0.1	0.1	0.1
749	4/8/2019 14:30:23	0.1	0.1	0.1	0.1
750	4/8/2019 14:30:53	0.1	0.1	0.1	0.1
751	4/8/2019 14:31:23	0.1	0.1	0.1	0.1
752	4/8/2019 14:31:53	0.1	0.1	0.1	0.1
753	4/8/2019 14:32:23	0.1	0.1	0.1	0.1
754	4/8/2019 14:32:53	0.1	0.1	0.1	0.1
755	4/8/2019 14:33:23	0.1	0.1	0.1	0.1
756	4/8/2019 14:33:53	0.1	0.1	0.1	0.1
757	4/8/2019 14:34:23	0.1	0.1	0.1	0.1
758	4/8/2019 14:34:53	0.1	0.1	0.1	0.1
759	4/8/2019 14:35:23	0.1	0.1	0.1	0.1
760	4/8/2019 14:35:53	0.1	0.1	0.1	0.1
761	4/8/2019 14:36:23	0.1	0.1	0.1	0.1
762	4/8/2019 14:36:53	0.1	0.1	0.1	0.1
763	4/8/2019 14:37:23	0.1	0.1	0.1	0.1
764	4/8/2019 14:37:53	0.1	0.1	0.1	0.1

765	4/8/2019 14:38:23	0.1	0.1	0.1	0.1
766	4/8/2019 14:38:53	0.1	0.1	0.1	0.1
767	4/8/2019 14:39:23	0.1	0.1	0.1	0.1
768	4/8/2019 14:39:53	0.1	0.1	0.1	0.1
769	4/8/2019 14:40:23	0.1	0.1	0.1	0.1
770	4/8/2019 14:40:53	0.1	0.1	0.1	0.1
771	4/8/2019 14:41:23	0.1	0.1	0.1	0.1
772	4/8/2019 14:41:53	0.1	0.1	0.1	0.1
773	4/8/2019 14:42:23	0.1	0.1	0.1	0.1
774	4/8/2019 14:42:53	0.1	0.1	0.1	0.1
775	4/8/2019 14:43:23	0.1	0.1	0.1	0.1
776	4/8/2019 14:43:53	0.1	0.1	0.1	0.1
777	4/8/2019 14:44:23	0.1	0.1	0.1	0.1
778	4/8/2019 14:44:53	0.1	0.1	0.1	0.1
779	4/8/2019 14:45:23	0.1	0.1	0.1	0.1
780	4/8/2019 14:45:53	0.1	0.1	0.1	0.1
781	4/8/2019 14:46:23	0.1	0.1	0.3	0.1
782	4/8/2019 14:46:53	0.1	0.1	0.2	0.1
783	4/8/2019 14:47:23	0.1	0.1	0.2	0.1
784	4/8/2019 14:47:53	0.1	0.1	0.1	0.1
785	4/8/2019 14:48:23	0.1	0.1	0.2	0.1
786	4/8/2019 14:48:53	0.1	0.1	0.2	0.1
787	4/8/2019 14:49:23	0.1	0.1	0.1	0.1
788	4/8/2019 14:49:53	0.1	0.1	0.1	0.1
789	4/8/2019 14:50:23	0.1	0.1	0.1	0.1
790	4/8/2019 14:50:53	0.1	0.1	0.1	0.1
791	4/8/2019 14:51:23	0.1	0.1	0.1	0.1
792	4/8/2019 14:51:53	0.1	0.1	0.1	0.1
793	4/8/2019 14:52:23	0.1	0.1	0.1	0.1
794	4/8/2019 14:52:53	0.1	0.1	0.1	0.1
795	4/8/2019 14:53:23	0.1	0.1	0.1	0.1
796	4/8/2019 14:53:53	0.1	0.1	0.1	0.1
797	4/8/2019 14:54:23	0.1	0.1	0.1	0.1
798	4/8/2019 14:54:53	0.1	0.1	0.1	0.1
799	4/8/2019 14:55:23	0.1	0.1	0.1	0.1
800	4/8/2019 14:55:53	0.1	0.1	0.1	0.1
801	4/8/2019 14:56:23	0.1	0.1	0.1	0.1
802	4/8/2019 14:56:53	0.1	0.1	0.1	0.1
803	4/8/2019 14:57:23	0.1	0.1	0.1	0.1
804	4/8/2019 14:57:53	0.1	0.1	0.1	0.1
805	4/8/2019 14:58:23	0.1	0.1	0.1	0.1
806	4/8/2019 14:58:53	0.1	0.1	0.1	0.1
807	4/8/2019 14:59:23	0.0	0.1	0.1	0.1
808	4/8/2019 14:59:53	0.1	0.1	0.1	0.1
809	4/8/2019 15:00:23	0.1	0.1	0.1	0.1
810	4/8/2019 15:00:53	0.1	0.1	0.1	0.1
811	4/8/2019 15:01:23	0.1	0.1	0.1	0.1
812	4/8/2019 15:01:53	0.1	0.1	0.1	0.1
813	4/8/2019 15:02:23	0.1	0.1	0.1	0.1
814	4/8/2019 15:02:53	0.1	0.1	0.1	0.1

815	4/8/2019 15:03:23	0.1	0.1	0.1	0.1
816	4/8/2019 15:03:53	0.1	0.1	0.1	0.1
817	4/8/2019 15:04:23	0.1	0.1	0.1	0.1
818	4/8/2019 15:04:53	0.1	0.1	0.1	0.1
819	4/8/2019 15:05:23	0.1	0.1	0.1	0.1
820	4/8/2019 15:05:53	0.1	0.1	0.1	0.1
821	4/8/2019 15:06:23	0.1	0.1	0.1	0.1
822	4/8/2019 15:06:53	0.0	0.1	0.1	0.1
823	4/8/2019 15:07:23	0.1	0.1	0.1	0.1
824	4/8/2019 15:07:53	0.1	0.1	0.1	0.1
825	4/8/2019 15:08:23	0.0	0.1	0.1	0.0
826	4/8/2019 15:08:53	0.0	0.1	0.1	0.1
827	4/8/2019 15:09:23	0.1	0.1	0.1	0.1
828	4/8/2019 15:09:53	0.0	0.1	0.1	0.1
829	4/8/2019 15:10:23	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.3	0.2
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.1	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/8/2019 08:16:23	0.0	---
002	4/8/2019 08:16:53	0.0	---
003	4/8/2019 08:17:23	0.0	---
004	4/8/2019 08:17:53	0.0	---
005	4/8/2019 08:18:23	0.0	---
006	4/8/2019 08:18:53	0.0	---
007	4/8/2019 08:19:23	0.0	---
008	4/8/2019 08:19:53	0.0	---
009	4/8/2019 08:20:23	0.0	---
010	4/8/2019 08:20:53	0.0	---
011	4/8/2019 08:21:23	0.0	---
012	4/8/2019 08:21:53	0.0	---
013	4/8/2019 08:22:23	0.0	---
014	4/8/2019 08:22:53	0.0	---
015	4/8/2019 08:23:23	0.0	---
016	4/8/2019 08:23:53	0.0	---
017	4/8/2019 08:24:23	0.0	---
018	4/8/2019 08:24:53	0.0	---
019	4/8/2019 08:25:23	0.0	---
020	4/8/2019 08:25:53	0.0	---
021	4/8/2019 08:26:23	0.0	---
022	4/8/2019 08:26:53	0.0	---
023	4/8/2019 08:27:23	0.0	---
024	4/8/2019 08:27:53	0.0	---
025	4/8/2019 08:28:23	0.0	---
026	4/8/2019 08:28:53	0.0	---
027	4/8/2019 08:29:23	0.0	---

028	4/8/2019 08:29:53	0.0	---
029	4/8/2019 08:30:23	0.0	---
030	4/8/2019 08:30:53	0.0	0.0
031	4/8/2019 08:31:23	0.0	0.0
032	4/8/2019 08:31:53	0.0	0.0
033	4/8/2019 08:32:23	0.0	0.0
034	4/8/2019 08:32:53	0.0	0.0
035	4/8/2019 08:33:23	0.0	0.0
036	4/8/2019 08:33:53	0.0	0.0
037	4/8/2019 08:34:23	0.0	0.0
038	4/8/2019 08:34:53	0.0	0.0
039	4/8/2019 08:35:23	0.0	0.0
040	4/8/2019 08:35:53	0.0	0.0
041	4/8/2019 08:36:23	0.0	0.0
042	4/8/2019 08:36:53	0.0	0.0
043	4/8/2019 08:37:23	0.0	0.0
044	4/8/2019 08:37:53	0.0	0.0
045	4/8/2019 08:38:23	0.0	0.0
046	4/8/2019 08:38:53	0.0	0.0
047	4/8/2019 08:39:23	0.0	0.0
048	4/8/2019 08:39:53	0.0	0.0
049	4/8/2019 08:40:23	0.0	0.0
050	4/8/2019 08:40:53	0.0	0.0
051	4/8/2019 08:41:23	0.0	0.0
052	4/8/2019 08:41:53	0.0	0.0
053	4/8/2019 08:42:23	0.0	0.0
054	4/8/2019 08:42:53	0.0	0.0
055	4/8/2019 08:43:23	0.0	0.0
056	4/8/2019 08:43:53	0.0	0.0
057	4/8/2019 08:44:23	0.0	0.0
058	4/8/2019 08:44:53	0.0	0.0
059	4/8/2019 08:45:23	0.0	0.0
060	4/8/2019 08:45:53	0.0	0.0
061	4/8/2019 08:46:23	0.0	0.0
062	4/8/2019 08:46:53	0.0	0.0
063	4/8/2019 08:47:23	0.0	0.0
064	4/8/2019 08:47:53	0.0	0.0
065	4/8/2019 08:48:23	0.0	0.0
066	4/8/2019 08:48:53	0.0	0.0
067	4/8/2019 08:49:23	0.0	0.0
068	4/8/2019 08:49:53	0.0	0.0
069	4/8/2019 08:50:23	0.0	0.0
070	4/8/2019 08:50:53	0.0	0.0
071	4/8/2019 08:51:23	0.0	0.0
072	4/8/2019 08:51:53	0.0	0.0
073	4/8/2019 08:52:23	0.0	0.0
074	4/8/2019 08:52:53	0.0	0.0
075	4/8/2019 08:53:23	0.0	0.0
076	4/8/2019 08:53:53	0.0	0.0
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813	4/8/2019 15:02:23	0.0	0.1
814	4/8/2019 15:02:53	0.0	0.1
815	4/8/2019 15:03:23	0.0	0.1
816	4/8/2019 15:03:53	0.0	0.1
817	4/8/2019 15:04:23	0.0	0.1
818	4/8/2019 15:04:53	0.0	0.1
819	4/8/2019 15:05:23	0.0	0.1
820	4/8/2019 15:05:53	0.0	0.1
821	4/8/2019 15:06:23	0.0	0.1
822	4/8/2019 15:06:53	0.0	0.1
823	4/8/2019 15:07:23	0.0	0.1
824	4/8/2019 15:07:53	0.0	0.1
825	4/8/2019 15:08:23	0.0	0.1
826	4/8/2019 15:08:53	0.0	0.1
827	4/8/2019 15:09:23	0.0	0.1

828 4/8/2019 15:09:53 0.0 0.1
829 4/8/2019 15:10:23 0.0 0.1
甑==========
19/04/09 07:27
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/9/2019 07:27:10
End 4/9/2019 07:28:53
Sample Period(s) 30
Number of Records 3

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/8/2019 08:13
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	4/9/2019 07:27:40	0.0	0.0	0.0	0.0	
002	4/9/2019 07:28:10	0.0	0.0	0.0	0.0	
003	4/9/2019 07:28:40	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	4/9/2019 07:27:40	0.0	---
002	4/9/2019 07:28:10	0.0	---
003	4/9/2019 07:28:40	0.0	---

甄==========
19/04/09 07:37
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908425
Unit Firmware Ver	V2.16
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	PES00000
User ID	PES00000
Begin	4/9/2019 07:37:22
End	4/9/2019 15:08:58
Sample Period(s)	30
Number of Records	903
Sensor	PID(ppm)
Sensor SN	S0?3030298V9
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	100.0
TWA Alarm	50.0
Measurement Gas	Isobutylene
Calibration Time	4/8/2019 08:13
Peak	0.3
Min	0.0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)

001	4/9/2019 07:37:52	0.0	0.0	0.0	0.0
002	4/9/2019 07:38:22	0.0	0.0	0.0	0.0
003	4/9/2019 07:38:52	0.0	0.0	0.0	0.0
004	4/9/2019 07:39:22	0.0	0.0	0.0	0.0
005	4/9/2019 07:39:52	0.0	0.0	0.0	0.0
006	4/9/2019 07:40:22	0.0	0.0	0.0	0.0
007	4/9/2019 07:40:52	0.0	0.0	0.0	0.0
008	4/9/2019 07:41:22	0.0	0.0	0.0	0.0
009	4/9/2019 07:41:52	0.0	0.0	0.0	0.0
010	4/9/2019 07:42:22	0.0	0.0	0.0	0.0
011	4/9/2019 07:42:52	0.0	0.0	0.0	0.0
012	4/9/2019 07:43:22	0.0	0.0	0.0	0.0
013	4/9/2019 07:43:52	0.0	0.0	0.0	0.0
014	4/9/2019 07:44:22	0.0	0.0	0.0	0.0
015	4/9/2019 07:44:52	0.0	0.0	0.0	0.0
016	4/9/2019 07:45:22	0.0	0.0	0.0	0.0
017	4/9/2019 07:45:52	0.0	0.0	0.0	0.0
018	4/9/2019 07:46:22	0.0	0.0	0.0	0.0
019	4/9/2019 07:46:52	0.0	0.0	0.0	0.0
020	4/9/2019 07:47:22	0.0	0.0	0.0	0.0
021	4/9/2019 07:47:52	0.0	0.0	0.0	0.0
022	4/9/2019 07:48:22	0.0	0.0	0.0	0.0
023	4/9/2019 07:48:52	0.0	0.0	0.0	0.0
024	4/9/2019 07:49:22	0.0	0.0	0.0	0.0
025	4/9/2019 07:49:52	0.0	0.0	0.0	0.0
026	4/9/2019 07:50:22	0.0	0.0	0.0	0.0
027	4/9/2019 07:50:52	0.0	0.0	0.0	0.0
028	4/9/2019 07:51:22	0.0	0.0	0.0	0.0
029	4/9/2019 07:51:52	0.0	0.0	0.0	0.0
030	4/9/2019 07:52:22	0.0	0.0	0.0	0.0
031	4/9/2019 07:52:52	0.0	0.0	0.0	0.0
032	4/9/2019 07:53:22	0.0	0.0	0.0	0.0
033	4/9/2019 07:53:52	0.0	0.0	0.0	0.0
034	4/9/2019 07:54:22	0.0	0.0	0.0	0.0
035	4/9/2019 07:54:52	0.0	0.0	0.0	0.0
036	4/9/2019 07:55:22	0.0	0.0	0.0	0.0
037	4/9/2019 07:55:52	0.0	0.0	0.0	0.0
038	4/9/2019 07:56:22	0.0	0.0	0.0	0.0
039	4/9/2019 07:56:52	0.0	0.0	0.0	0.0
040	4/9/2019 07:57:22	0.0	0.0	0.0	0.0
041	4/9/2019 07:57:52	0.0	0.0	0.0	0.0
042	4/9/2019 07:58:22	0.0	0.0	0.0	0.0
043	4/9/2019 07:58:52	0.0	0.0	0.0	0.0
044	4/9/2019 07:59:22	0.0	0.0	0.0	0.0
045	4/9/2019 07:59:52	0.0	0.0	0.0	0.0
046	4/9/2019 08:00:22	0.0	0.0	0.0	0.0
047	4/9/2019 08:00:52	0.0	0.0	0.0	0.0
048	4/9/2019 08:01:22	0.0	0.0	0.0	0.0
049	4/9/2019 08:01:52	0.0	0.0	0.0	0.0
050	4/9/2019 08:02:22	0.0	0.0	0.0	0.0

051	4/9/2019 08:02:52	0.0	0.0	0.0	0.0
052	4/9/2019 08:03:22	0.0	0.0	0.0	0.0
053	4/9/2019 08:03:52	0.0	0.0	0.0	0.0
054	4/9/2019 08:04:22	0.0	0.0	0.0	0.0
055	4/9/2019 08:04:52	0.0	0.0	0.0	0.0
056	4/9/2019 08:05:22	0.0	0.0	0.0	0.0
057	4/9/2019 08:05:52	0.0	0.0	0.0	0.0
058	4/9/2019 08:06:22	0.0	0.0	0.0	0.0
059	4/9/2019 08:06:52	0.0	0.0	0.0	0.0
060	4/9/2019 08:07:22	0.0	0.0	0.0	0.0
061	4/9/2019 08:07:52	0.0	0.0	0.0	0.0
062	4/9/2019 08:08:22	0.0	0.0	0.0	0.0
063	4/9/2019 08:08:52	0.0	0.0	0.0	0.0
064	4/9/2019 08:09:22	0.0	0.0	0.0	0.0
065	4/9/2019 08:09:52	0.0	0.0	0.0	0.0
066	4/9/2019 08:10:22	0.0	0.0	0.0	0.0
067	4/9/2019 08:10:52	0.0	0.0	0.0	0.0
068	4/9/2019 08:11:22	0.0	0.0	0.0	0.0
069	4/9/2019 08:11:52	0.0	0.0	0.0	0.0
070	4/9/2019 08:12:22	0.0	0.0	0.0	0.0
071	4/9/2019 08:12:52	0.0	0.0	0.0	0.0
072	4/9/2019 08:13:22	0.0	0.0	0.0	0.0
073	4/9/2019 08:13:52	0.0	0.0	0.0	0.0
074	4/9/2019 08:14:22	0.0	0.0	0.0	0.0
075	4/9/2019 08:14:52	0.0	0.0	0.0	0.0
076	4/9/2019 08:15:22	0.0	0.0	0.0	0.0
077	4/9/2019 08:15:52	0.0	0.0	0.0	0.0
078	4/9/2019 08:16:22	0.0	0.0	0.0	0.0
079	4/9/2019 08:16:52	0.0	0.0	0.0	0.0
080	4/9/2019 08:17:22	0.0	0.0	0.0	0.0
081	4/9/2019 08:17:52	0.0	0.0	0.0	0.0
082	4/9/2019 08:18:22	0.0	0.0	0.0	0.0
083	4/9/2019 08:18:52	0.0	0.0	0.0	0.0
084	4/9/2019 08:19:22	0.0	0.0	0.0	0.0
085	4/9/2019 08:19:52	0.0	0.0	0.0	0.0
086	4/9/2019 08:20:22	0.0	0.0	0.0	0.0
087	4/9/2019 08:20:52	0.0	0.0	0.0	0.0
088	4/9/2019 08:21:22	0.0	0.0	0.0	0.0
089	4/9/2019 08:21:52	0.0	0.0	0.0	0.0
090	4/9/2019 08:22:22	0.0	0.0	0.0	0.0
091	4/9/2019 08:22:52	0.0	0.0	0.0	0.0
092	4/9/2019 08:23:22	0.0	0.0	0.0	0.0
093	4/9/2019 08:23:52	0.0	0.0	0.0	0.0
094	4/9/2019 08:24:22	0.0	0.0	0.0	0.0
095	4/9/2019 08:24:52	0.0	0.0	0.0	0.0
096	4/9/2019 08:25:22	0.0	0.0	0.0	0.0
097	4/9/2019 08:25:52	0.0	0.0	0.0	0.0
098	4/9/2019 08:26:22	0.0	0.0	0.0	0.0
099	4/9/2019 08:26:52	0.0	0.0	0.0	0.0
100	4/9/2019 08:27:22	0.0	0.0	0.0	0.0

101	4/9/2019 08:27:52	0.0	0.0	0.0	0.0
102	4/9/2019 08:28:22	0.0	0.0	0.0	0.0
103	4/9/2019 08:28:52	0.0	0.0	0.0	0.0
104	4/9/2019 08:29:22	0.0	0.0	0.0	0.0
105	4/9/2019 08:29:52	0.0	0.0	0.0	0.0
106	4/9/2019 08:30:22	0.0	0.0	0.0	0.0
107	4/9/2019 08:30:52	0.0	0.0	0.0	0.0
108	4/9/2019 08:31:22	0.0	0.0	0.0	0.0
109	4/9/2019 08:31:52	0.0	0.0	0.0	0.0
110	4/9/2019 08:32:22	0.0	0.0	0.0	0.0
111	4/9/2019 08:32:52	0.0	0.0	0.0	0.0
112	4/9/2019 08:33:22	0.0	0.0	0.0	0.0
113	4/9/2019 08:33:52	0.0	0.0	0.0	0.0
114	4/9/2019 08:34:22	0.0	0.0	0.0	0.0
115	4/9/2019 08:34:52	0.0	0.0	0.0	0.0
116	4/9/2019 08:35:22	0.0	0.0	0.0	0.0
117	4/9/2019 08:35:52	0.0	0.0	0.0	0.0
118	4/9/2019 08:36:22	0.0	0.0	0.0	0.0
119	4/9/2019 08:36:52	0.0	0.0	0.1	0.0
120	4/9/2019 08:37:22	0.0	0.1	0.1	0.1
121	4/9/2019 08:37:52	0.0	0.1	0.1	0.1
122	4/9/2019 08:38:22	0.0	0.1	0.1	0.0
123	4/9/2019 08:38:52	0.0	0.0	0.0	0.0
124	4/9/2019 08:39:22	0.0	0.1	0.1	0.0
125	4/9/2019 08:39:52	0.0	0.1	0.1	0.1
126	4/9/2019 08:40:22	0.0	0.0	0.1	0.0
127	4/9/2019 08:40:52	0.0	0.0	0.1	0.1
128	4/9/2019 08:41:22	0.0	0.0	0.1	0.1
129	4/9/2019 08:41:52	0.0	0.1	0.1	0.1
130	4/9/2019 08:42:22	0.1	0.1	0.1	0.1
131	4/9/2019 08:42:52	0.1	0.1	0.1	0.1
132	4/9/2019 08:43:22	0.1	0.1	0.1	0.1
133	4/9/2019 08:43:52	0.1	0.1	0.1	0.1
134	4/9/2019 08:44:22	0.1	0.1	0.1	0.1
135	4/9/2019 08:44:52	0.1	0.1	0.1	0.1
136	4/9/2019 08:45:22	0.1	0.1	0.1	0.1
137	4/9/2019 08:45:52	0.1	0.1	0.1	0.1
138	4/9/2019 08:46:22	0.1	0.1	0.1	0.1
139	4/9/2019 08:46:52	0.1	0.1	0.1	0.1
140	4/9/2019 08:47:22	0.1	0.1	0.1	0.1
141	4/9/2019 08:47:52	0.1	0.1	0.1	0.1
142	4/9/2019 08:48:22	0.1	0.1	0.1	0.1
143	4/9/2019 08:48:52	0.1	0.1	0.1	0.1
144	4/9/2019 08:49:22	0.1	0.1	0.1	0.1
145	4/9/2019 08:49:52	0.1	0.1	0.1	0.1
146	4/9/2019 08:50:22	0.1	0.1	0.1	0.1
147	4/9/2019 08:50:52	0.1	0.1	0.1	0.1
148	4/9/2019 08:51:22	0.1	0.1	0.1	0.1
149	4/9/2019 08:51:52	0.1	0.1	0.1	0.1
150	4/9/2019 08:52:22	0.1	0.1	0.1	0.1

151	4/9/2019 08:52:52	0.1	0.1	0.1	0.1
152	4/9/2019 08:53:22	0.1	0.1	0.1	0.1
153	4/9/2019 08:53:52	0.1	0.1	0.1	0.1
154	4/9/2019 08:54:22	0.1	0.1	0.1	0.1
155	4/9/2019 08:54:52	0.1	0.1	0.1	0.1
156	4/9/2019 08:55:22	0.1	0.1	0.1	0.1
157	4/9/2019 08:55:52	0.1	0.1	0.1	0.1
158	4/9/2019 08:56:22	0.1	0.1	0.1	0.1
159	4/9/2019 08:56:52	0.1	0.1	0.1	0.1
160	4/9/2019 08:57:22	0.1	0.1	0.1	0.1
161	4/9/2019 08:57:52	0.1	0.1	0.1	0.1
162	4/9/2019 08:58:22	0.1	0.1	0.1	0.1
163	4/9/2019 08:58:52	0.1	0.1	0.1	0.1
164	4/9/2019 08:59:22	0.1	0.1	0.1	0.1
165	4/9/2019 08:59:52	0.1	0.1	0.1	0.1
166	4/9/2019 09:00:22	0.1	0.1	0.1	0.1
167	4/9/2019 09:00:52	0.1	0.1	0.1	0.1
168	4/9/2019 09:01:22	0.1	0.1	0.1	0.1
169	4/9/2019 09:01:52	0.1	0.1	0.1	0.1
170	4/9/2019 09:02:22	0.1	0.1	0.1	0.1
171	4/9/2019 09:02:52	0.1	0.1	0.1	0.1
172	4/9/2019 09:03:22	0.1	0.1	0.1	0.1
173	4/9/2019 09:03:52	0.1	0.1	0.1	0.1
174	4/9/2019 09:04:22	0.1	0.1	0.1	0.1
175	4/9/2019 09:04:52	0.1	0.1	0.1	0.1
176	4/9/2019 09:05:22	0.1	0.1	0.1	0.1
177	4/9/2019 09:05:52	0.1	0.1	0.1	0.1
178	4/9/2019 09:06:22	0.1	0.1	0.1	0.1
179	4/9/2019 09:06:52	0.1	0.1	0.1	0.1
180	4/9/2019 09:07:22	0.1	0.1	0.1	0.1
181	4/9/2019 09:07:52	0.1	0.1	0.1	0.1
182	4/9/2019 09:08:22	0.1	0.1	0.1	0.1
183	4/9/2019 09:08:52	0.1	0.1	0.1	0.1
184	4/9/2019 09:09:22	0.1	0.1	0.1	0.1
185	4/9/2019 09:09:52	0.1	0.1	0.1	0.1
186	4/9/2019 09:10:22	0.1	0.1	0.1	0.1
187	4/9/2019 09:10:52	0.1	0.1	0.1	0.1
188	4/9/2019 09:11:22	0.1	0.1	0.1	0.1
189	4/9/2019 09:11:52	0.1	0.1	0.1	0.1
190	4/9/2019 09:12:22	0.1	0.1	0.1	0.1
191	4/9/2019 09:12:52	0.1	0.1	0.1	0.1
192	4/9/2019 09:13:22	0.1	0.1	0.1	0.1
193	4/9/2019 09:13:52	0.1	0.1	0.1	0.1
194	4/9/2019 09:14:22	0.1	0.1	0.1	0.1
195	4/9/2019 09:14:52	0.1	0.1	0.1	0.1
196	4/9/2019 09:15:22	0.1	0.1	0.1	0.1
197	4/9/2019 09:15:52	0.1	0.1	0.1	0.1
198	4/9/2019 09:16:22	0.1	0.1	0.1	0.1
199	4/9/2019 09:16:52	0.1	0.1	0.1	0.1
200	4/9/2019 09:17:22	0.1	0.1	0.1	0.1

201	4/9/2019 09:17:52	0.1	0.1	0.1	0.1
202	4/9/2019 09:18:22	0.1	0.1	0.1	0.1
203	4/9/2019 09:18:52	0.1	0.1	0.1	0.1
204	4/9/2019 09:19:22	0.1	0.1	0.1	0.1
205	4/9/2019 09:19:52	0.1	0.1	0.1	0.1
206	4/9/2019 09:20:22	0.1	0.1	0.1	0.1
207	4/9/2019 09:20:52	0.1	0.1	0.1	0.1
208	4/9/2019 09:21:22	0.1	0.1	0.1	0.1
209	4/9/2019 09:21:52	0.1	0.1	0.1	0.1
210	4/9/2019 09:22:22	0.1	0.1	0.1	0.1
211	4/9/2019 09:22:52	0.1	0.1	0.1	0.1
212	4/9/2019 09:23:22	0.1	0.1	0.1	0.1
213	4/9/2019 09:23:52	0.1	0.1	0.1	0.1
214	4/9/2019 09:24:22	0.1	0.1	0.1	0.1
215	4/9/2019 09:24:52	0.1	0.1	0.1	0.1
216	4/9/2019 09:25:22	0.1	0.1	0.1	0.1
217	4/9/2019 09:25:52	0.1	0.1	0.1	0.1
218	4/9/2019 09:26:22	0.1	0.1	0.1	0.1
219	4/9/2019 09:26:52	0.1	0.1	0.1	0.1
220	4/9/2019 09:27:22	0.1	0.1	0.1	0.1
221	4/9/2019 09:27:52	0.1	0.1	0.1	0.1
222	4/9/2019 09:28:22	0.1	0.1	0.1	0.1
223	4/9/2019 09:28:52	0.1	0.1	0.1	0.1
224	4/9/2019 09:29:22	0.1	0.1	0.1	0.1
225	4/9/2019 09:29:52	0.1	0.1	0.1	0.1
226	4/9/2019 09:30:22	0.1	0.1	0.1	0.1
227	4/9/2019 09:30:52	0.1	0.1	0.1	0.1
228	4/9/2019 09:31:22	0.1	0.1	0.1	0.1
229	4/9/2019 09:31:52	0.1	0.1	0.1	0.1
230	4/9/2019 09:32:22	0.1	0.1	0.1	0.1
231	4/9/2019 09:32:52	0.1	0.1	0.1	0.1
232	4/9/2019 09:33:22	0.1	0.1	0.1	0.1
233	4/9/2019 09:33:52	0.1	0.1	0.2	0.1
234	4/9/2019 09:34:22	0.1	0.1	0.1	0.1
235	4/9/2019 09:34:52	0.1	0.1	0.1	0.1
236	4/9/2019 09:35:22	0.1	0.1	0.1	0.1
237	4/9/2019 09:35:52	0.1	0.1	0.1	0.1
238	4/9/2019 09:36:22	0.1	0.1	0.1	0.1
239	4/9/2019 09:36:52	0.1	0.1	0.1	0.1
240	4/9/2019 09:37:22	0.1	0.1	0.1	0.1
241	4/9/2019 09:37:52	0.1	0.1	0.1	0.1
242	4/9/2019 09:38:22	0.1	0.1	0.1	0.1
243	4/9/2019 09:38:52	0.1	0.1	0.1	0.1
244	4/9/2019 09:39:22	0.1	0.1	0.1	0.1
245	4/9/2019 09:39:52	0.1	0.1	0.1	0.1
246	4/9/2019 09:40:22	0.1	0.1	0.1	0.1
247	4/9/2019 09:40:52	0.1	0.1	0.1	0.1
248	4/9/2019 09:41:22	0.1	0.1	0.2	0.1
249	4/9/2019 09:41:52	0.1	0.1	0.1	0.1
250	4/9/2019 09:42:22	0.1	0.1	0.1	0.1

251	4/9/2019 09:42:52	0.1	0.1	0.1	0.1
252	4/9/2019 09:43:22	0.1	0.1	0.1	0.1
253	4/9/2019 09:43:52	0.1	0.1	0.1	0.1
254	4/9/2019 09:44:22	0.1	0.1	0.1	0.1
255	4/9/2019 09:44:52	0.1	0.1	0.1	0.1
256	4/9/2019 09:45:22	0.1	0.1	0.1	0.1
257	4/9/2019 09:45:52	0.1	0.1	0.1	0.1
258	4/9/2019 09:46:22	0.1	0.1	0.1	0.1
259	4/9/2019 09:46:52	0.1	0.1	0.1	0.1
260	4/9/2019 09:47:22	0.1	0.1	0.1	0.1
261	4/9/2019 09:47:52	0.1	0.1	0.1	0.1
262	4/9/2019 09:48:22	0.1	0.1	0.1	0.1
263	4/9/2019 09:48:52	0.1	0.1	0.1	0.1
264	4/9/2019 09:49:22	0.1	0.1	0.1	0.1
265	4/9/2019 09:49:52	0.1	0.1	0.1	0.1
266	4/9/2019 09:50:22	0.1	0.1	0.1	0.1
267	4/9/2019 09:50:52	0.1	0.1	0.1	0.1
268	4/9/2019 09:51:22	0.1	0.1	0.1	0.1
269	4/9/2019 09:51:52	0.1	0.1	0.1	0.1
270	4/9/2019 09:52:22	0.1	0.1	0.1	0.1
271	4/9/2019 09:52:52	0.1	0.1	0.1	0.1
272	4/9/2019 09:53:22	0.1	0.1	0.1	0.1
273	4/9/2019 09:53:52	0.1	0.1	0.1	0.1
274	4/9/2019 09:54:22	0.1	0.1	0.1	0.1
275	4/9/2019 09:54:52	0.1	0.1	0.1	0.1
276	4/9/2019 09:55:22	0.1	0.1	0.1	0.1
277	4/9/2019 09:55:52	0.1	0.1	0.1	0.1
278	4/9/2019 09:56:22	0.1	0.1	0.1	0.1
279	4/9/2019 09:56:52	0.1	0.1	0.1	0.1
280	4/9/2019 09:57:22	0.1	0.1	0.1	0.1
281	4/9/2019 09:57:52	0.1	0.1	0.1	0.1
282	4/9/2019 09:58:22	0.1	0.1	0.1	0.1
283	4/9/2019 09:58:52	0.1	0.1	0.1	0.1
284	4/9/2019 09:59:22	0.1	0.1	0.1	0.1
285	4/9/2019 09:59:52	0.1	0.1	0.1	0.1
286	4/9/2019 10:00:22	0.1	0.1	0.1	0.1
287	4/9/2019 10:00:52	0.1	0.1	0.1	0.1
288	4/9/2019 10:01:22	0.1	0.1	0.1	0.1
289	4/9/2019 10:01:52	0.1	0.1	0.1	0.1
290	4/9/2019 10:02:22	0.1	0.1	0.1	0.1
291	4/9/2019 10:02:52	0.1	0.1	0.1	0.1
292	4/9/2019 10:03:22	0.1	0.1	0.1	0.1
293	4/9/2019 10:03:52	0.1	0.1	0.1	0.1
294	4/9/2019 10:04:22	0.1	0.1	0.1	0.1
295	4/9/2019 10:04:52	0.1	0.1	0.1	0.1
296	4/9/2019 10:05:22	0.1	0.1	0.1	0.1
297	4/9/2019 10:05:52	0.1	0.1	0.1	0.1
298	4/9/2019 10:06:22	0.1	0.1	0.1	0.1
299	4/9/2019 10:06:52	0.1	0.1	0.1	0.1
300	4/9/2019 10:07:22	0.1	0.1	0.1	0.1

301	4/9/2019 10:07:52	0.1	0.1	0.1	0.1
302	4/9/2019 10:08:22	0.1	0.1	0.1	0.1
303	4/9/2019 10:08:52	0.1	0.1	0.1	0.1
304	4/9/2019 10:09:22	0.1	0.1	0.1	0.1
305	4/9/2019 10:09:52	0.1	0.1	0.1	0.1
306	4/9/2019 10:10:22	0.1	0.1	0.1	0.1
307	4/9/2019 10:10:52	0.1	0.1	0.1	0.1
308	4/9/2019 10:11:22	0.1	0.1	0.2	0.2
309	4/9/2019 10:11:52	0.1	0.1	0.2	0.1
310	4/9/2019 10:12:22	0.1	0.1	0.2	0.1
311	4/9/2019 10:12:52	0.1	0.1	0.1	0.1
312	4/9/2019 10:13:22	0.1	0.1	0.2	0.2
313	4/9/2019 10:13:52	0.1	0.1	0.2	0.1
314	4/9/2019 10:14:22	0.1	0.1	0.1	0.1
315	4/9/2019 10:14:52	0.1	0.1	0.1	0.1
316	4/9/2019 10:15:22	0.1	0.1	0.1	0.1
317	4/9/2019 10:15:52	0.1	0.1	0.1	0.1
318	4/9/2019 10:16:22	0.1	0.1	0.1	0.1
319	4/9/2019 10:16:52	0.1	0.1	0.1	0.1
320	4/9/2019 10:17:22	0.1	0.1	0.1	0.1
321	4/9/2019 10:17:52	0.1	0.1	0.1	0.1
322	4/9/2019 10:18:22	0.1	0.1	0.1	0.1
323	4/9/2019 10:18:52	0.1	0.1	0.2	0.1
324	4/9/2019 10:19:22	0.1	0.1	0.1	0.1
325	4/9/2019 10:19:52	0.1	0.1	0.1	0.1
326	4/9/2019 10:20:22	0.1	0.1	0.2	0.1
327	4/9/2019 10:20:52	0.1	0.1	0.1	0.1
328	4/9/2019 10:21:22	0.1	0.1	0.1	0.1
329	4/9/2019 10:21:52	0.1	0.1	0.1	0.1
330	4/9/2019 10:22:22	0.1	0.1	0.1	0.1
331	4/9/2019 10:22:52	0.1	0.1	0.1	0.1
332	4/9/2019 10:23:22	0.1	0.1	0.1	0.1
333	4/9/2019 10:23:52	0.1	0.1	0.1	0.1
334	4/9/2019 10:24:22	0.1	0.1	0.1	0.1
335	4/9/2019 10:24:52	0.1	0.1	0.1	0.1
336	4/9/2019 10:25:22	0.1	0.1	0.1	0.1
337	4/9/2019 10:25:52	0.1	0.1	0.2	0.2
338	4/9/2019 10:26:22	0.1	0.1	0.2	0.1
339	4/9/2019 10:26:52	0.1	0.1	0.2	0.1
340	4/9/2019 10:27:22	0.1	0.1	0.1	0.1
341	4/9/2019 10:27:52	0.1	0.1	0.2	0.2
342	4/9/2019 10:28:22	0.1	0.1	0.2	0.2
343	4/9/2019 10:28:52	0.1	0.2	0.2	0.1
344	4/9/2019 10:29:22	0.1	0.1	0.2	0.2
345	4/9/2019 10:29:52	0.2	0.2	0.2	0.2
346	4/9/2019 10:30:22	0.1	0.2	0.2	0.2
347	4/9/2019 10:30:52	0.1	0.2	0.2	0.2
348	4/9/2019 10:31:22	0.2	0.2	0.2	0.2
349	4/9/2019 10:31:52	0.1	0.2	0.2	0.1
350	4/9/2019 10:32:22	0.1	0.2	0.2	0.1

351	4/9/2019 10:32:52	0.1	0.1	0.2	0.1
352	4/9/2019 10:33:22	0.1	0.2	0.2	0.2
353	4/9/2019 10:33:52	0.2	0.2	0.2	0.2
354	4/9/2019 10:34:22	0.2	0.2	0.2	0.2
355	4/9/2019 10:34:52	0.2	0.2	0.2	0.2
356	4/9/2019 10:35:22	0.2	0.2	0.2	0.2
357	4/9/2019 10:35:52	0.2	0.2	0.2	0.2
358	4/9/2019 10:36:22	0.1	0.2	0.2	0.2
359	4/9/2019 10:36:52	0.2	0.2	0.2	0.2
360	4/9/2019 10:37:22	0.2	0.2	0.2	0.2
361	4/9/2019 10:37:52	0.1	0.2	0.2	0.1
362	4/9/2019 10:38:22	0.1	0.2	0.2	0.1
363	4/9/2019 10:38:52	0.1	0.2	0.2	0.2
364	4/9/2019 10:39:22	0.1	0.2	0.2	0.2
365	4/9/2019 10:39:52	0.2	0.2	0.2	0.2
366	4/9/2019 10:40:22	0.2	0.2	0.2	0.2
367	4/9/2019 10:40:52	0.1	0.2	0.2	0.1
368	4/9/2019 10:41:22	0.1	0.2	0.2	0.2
369	4/9/2019 10:41:52	0.2	0.2	0.2	0.2
370	4/9/2019 10:42:22	0.2	0.2	0.2	0.2
371	4/9/2019 10:42:52	0.2	0.2	0.2	0.2
372	4/9/2019 10:43:22	0.1	0.2	0.2	0.1
373	4/9/2019 10:43:52	0.1	0.2	0.2	0.2
374	4/9/2019 10:44:22	0.2	0.2	0.2	0.2
375	4/9/2019 10:44:52	0.2	0.2	0.2	0.2
376	4/9/2019 10:45:22	0.2	0.2	0.2	0.2
377	4/9/2019 10:45:52	0.2	0.2	0.2	0.2
378	4/9/2019 10:46:22	0.2	0.2	0.2	0.2
379	4/9/2019 10:46:52	0.2	0.2	0.2	0.2
380	4/9/2019 10:47:22	0.2	0.2	0.2	0.2
381	4/9/2019 10:47:52	0.2	0.2	0.2	0.2
382	4/9/2019 10:48:22	0.2	0.2	0.2	0.2
383	4/9/2019 10:48:52	0.2	0.2	0.2	0.2
384	4/9/2019 10:49:22	0.2	0.2	0.2	0.2
385	4/9/2019 10:49:52	0.1	0.2	0.2	0.2
386	4/9/2019 10:50:22	0.2	0.2	0.2	0.2
387	4/9/2019 10:50:52	0.2	0.2	0.2	0.2
388	4/9/2019 10:51:22	0.2	0.2	0.2	0.2
389	4/9/2019 10:51:52	0.2	0.2	0.2	0.2
390	4/9/2019 10:52:22	0.2	0.2	0.2	0.2
391	4/9/2019 10:52:52	0.2	0.2	0.2	0.2
392	4/9/2019 10:53:22	0.2	0.2	0.2	0.2
393	4/9/2019 10:53:52	0.2	0.2	0.2	0.2
394	4/9/2019 10:54:22	0.2	0.2	0.2	0.2
395	4/9/2019 10:54:52	0.2	0.2	0.2	0.2
396	4/9/2019 10:55:22	0.2	0.2	0.2	0.2
397	4/9/2019 10:55:52	0.2	0.2	0.2	0.2
398	4/9/2019 10:56:22	0.2	0.2	0.2	0.2
399	4/9/2019 10:56:52	0.2	0.2	0.2	0.2
400	4/9/2019 10:57:22	0.2	0.2	0.2	0.2

401	4/9/2019 10:57:52	0.2	0.2	0.2	0.2
402	4/9/2019 10:58:22	0.2	0.2	0.2	0.2
403	4/9/2019 10:58:52	0.2	0.2	0.2	0.2
404	4/9/2019 10:59:22	0.2	0.2	0.2	0.2
405	4/9/2019 10:59:52	0.2	0.2	0.2	0.2
406	4/9/2019 11:00:22	0.2	0.2	0.2	0.2
407	4/9/2019 11:00:52	0.2	0.2	0.2	0.2
408	4/9/2019 11:01:22	0.2	0.2	0.2	0.2
409	4/9/2019 11:01:52	0.2	0.2	0.2	0.2
410	4/9/2019 11:02:22	0.2	0.2	0.2	0.2
411	4/9/2019 11:02:52	0.2	0.2	0.2	0.2
412	4/9/2019 11:03:22	0.2	0.2	0.2	0.2
413	4/9/2019 11:03:52	0.2	0.2	0.2	0.2
414	4/9/2019 11:04:22	0.2	0.2	0.2	0.2
415	4/9/2019 11:04:52	0.2	0.2	0.2	0.2
416	4/9/2019 11:05:22	0.2	0.2	0.2	0.2
417	4/9/2019 11:05:52	0.2	0.2	0.2	0.2
418	4/9/2019 11:06:22	0.2	0.2	0.2	0.2
419	4/9/2019 11:06:52	0.2	0.2	0.2	0.2
420	4/9/2019 11:07:22	0.2	0.2	0.2	0.2
421	4/9/2019 11:07:52	0.2	0.2	0.2	0.2
422	4/9/2019 11:08:22	0.2	0.2	0.2	0.2
423	4/9/2019 11:08:52	0.2	0.2	0.2	0.2
424	4/9/2019 11:09:22	0.2	0.2	0.2	0.2
425	4/9/2019 11:09:52	0.2	0.2	0.2	0.2
426	4/9/2019 11:10:22	0.2	0.2	0.2	0.2
427	4/9/2019 11:10:52	0.2	0.2	0.2	0.2
428	4/9/2019 11:11:22	0.2	0.2	0.2	0.2
429	4/9/2019 11:11:52	0.2	0.2	0.2	0.2
430	4/9/2019 11:12:22	0.2	0.2	0.2	0.2
431	4/9/2019 11:12:52	0.2	0.2	0.2	0.2
432	4/9/2019 11:13:22	0.2	0.2	0.2	0.2
433	4/9/2019 11:13:52	0.2	0.2	0.2	0.2
434	4/9/2019 11:14:22	0.2	0.2	0.2	0.2
435	4/9/2019 11:14:52	0.2	0.2	0.2	0.2
436	4/9/2019 11:15:22	0.2	0.2	0.2	0.2
437	4/9/2019 11:15:52	0.2	0.2	0.2	0.2
438	4/9/2019 11:16:22	0.2	0.2	0.2	0.2
439	4/9/2019 11:16:52	0.2	0.2	0.2	0.2
440	4/9/2019 11:17:22	0.2	0.2	0.2	0.2
441	4/9/2019 11:17:52	0.2	0.2	0.2	0.2
442	4/9/2019 11:18:22	0.2	0.2	0.2	0.2
443	4/9/2019 11:18:52	0.2	0.2	0.2	0.2
444	4/9/2019 11:19:22	0.2	0.2	0.2	0.2
445	4/9/2019 11:19:52	0.2	0.2	0.2	0.2
446	4/9/2019 11:20:22	0.2	0.2	0.2	0.2
447	4/9/2019 11:20:52	0.2	0.2	0.2	0.2
448	4/9/2019 11:21:22	0.2	0.2	0.2	0.2
449	4/9/2019 11:21:52	0.2	0.2	0.2	0.2
450	4/9/2019 11:22:22	0.2	0.2	0.3	0.2

451	4/9/2019 11:22:52	0.2	0.2	0.2	0.2
452	4/9/2019 11:23:22	0.2	0.2	0.2	0.2
453	4/9/2019 11:23:52	0.2	0.2	0.2	0.2
454	4/9/2019 11:24:22	0.2	0.2	0.2	0.2
455	4/9/2019 11:24:52	0.2	0.2	0.2	0.2
456	4/9/2019 11:25:22	0.2	0.2	0.2	0.2
457	4/9/2019 11:25:52	0.2	0.2	0.2	0.2
458	4/9/2019 11:26:22	0.2	0.2	0.2	0.2
459	4/9/2019 11:26:52	0.2	0.2	0.2	0.2
460	4/9/2019 11:27:22	0.2	0.2	0.2	0.2
461	4/9/2019 11:27:52	0.2	0.2	0.2	0.2
462	4/9/2019 11:28:22	0.2	0.2	0.2	0.2
463	4/9/2019 11:28:52	0.2	0.2	0.2	0.2
464	4/9/2019 11:29:22	0.2	0.2	0.2	0.2
465	4/9/2019 11:29:52	0.2	0.2	0.2	0.2
466	4/9/2019 11:30:22	0.2	0.2	0.2	0.2
467	4/9/2019 11:30:52	0.2	0.2	0.2	0.2
468	4/9/2019 11:31:22	0.2	0.2	0.2	0.2
469	4/9/2019 11:31:52	0.2	0.2	0.2	0.2
470	4/9/2019 11:32:22	0.2	0.2	0.3	0.2
471	4/9/2019 11:32:52	0.2	0.2	0.3	0.2
472	4/9/2019 11:33:22	0.2	0.2	0.2	0.2
473	4/9/2019 11:33:52	0.2	0.2	0.2	0.2
474	4/9/2019 11:34:22	0.2	0.2	0.2	0.2
475	4/9/2019 11:34:52	0.2	0.2	0.2	0.2
476	4/9/2019 11:35:22	0.2	0.2	0.2	0.2
477	4/9/2019 11:35:52	0.2	0.2	0.2	0.2
478	4/9/2019 11:36:22	0.2	0.2	0.3	0.3
479	4/9/2019 11:36:52	0.2	0.2	0.3	0.2
480	4/9/2019 11:37:22	0.2	0.2	0.2	0.2
481	4/9/2019 11:37:52	0.2	0.2	0.2	0.2
482	4/9/2019 11:38:22	0.2	0.2	0.2	0.2
483	4/9/2019 11:38:52	0.2	0.2	0.2	0.2
484	4/9/2019 11:39:22	0.2	0.2	0.2	0.2
485	4/9/2019 11:39:52	0.2	0.2	0.2	0.2
486	4/9/2019 11:40:22	0.2	0.2	0.2	0.2
487	4/9/2019 11:40:52	0.2	0.2	0.2	0.2
488	4/9/2019 11:41:22	0.2	0.2	0.2	0.2
489	4/9/2019 11:41:52	0.2	0.2	0.2	0.2
490	4/9/2019 11:42:22	0.2	0.2	0.2	0.2
491	4/9/2019 11:42:52	0.2	0.2	0.2	0.2
492	4/9/2019 11:43:22	0.2	0.2	0.2	0.2
493	4/9/2019 11:43:52	0.2	0.2	0.2	0.2
494	4/9/2019 11:44:22	0.2	0.2	0.2	0.2
495	4/9/2019 11:44:52	0.2	0.2	0.2	0.2
496	4/9/2019 11:45:22	0.2	0.2	0.2	0.2
497	4/9/2019 11:45:52	0.2	0.2	0.2	0.2
498	4/9/2019 11:46:22	0.2	0.2	0.2	0.2
499	4/9/2019 11:46:52	0.2	0.2	0.2	0.2
500	4/9/2019 11:47:22	0.2	0.2	0.2	0.2

501	4/9/2019 11:47:52	0.2	0.2	0.2	0.2
502	4/9/2019 11:48:22	0.2	0.2	0.2	0.2
503	4/9/2019 11:48:52	0.2	0.2	0.2	0.2
504	4/9/2019 11:49:22	0.2	0.2	0.2	0.2
505	4/9/2019 11:49:52	0.2	0.2	0.2	0.2
506	4/9/2019 11:50:22	0.2	0.2	0.2	0.2
507	4/9/2019 11:50:52	0.2	0.2	0.2	0.2
508	4/9/2019 11:51:22	0.2	0.2	0.2	0.2
509	4/9/2019 11:51:52	0.2	0.2	0.2	0.2
510	4/9/2019 11:52:22	0.2	0.2	0.2	0.2
511	4/9/2019 11:52:52	0.2	0.2	0.2	0.2
512	4/9/2019 11:53:22	0.2	0.2	0.2	0.2
513	4/9/2019 11:53:52	0.2	0.2	0.2	0.2
514	4/9/2019 11:54:22	0.2	0.2	0.2	0.2
515	4/9/2019 11:54:52	0.2	0.2	0.2	0.2
516	4/9/2019 11:55:22	0.2	0.2	0.2	0.2
517	4/9/2019 11:55:52	0.2	0.2	0.2	0.2
518	4/9/2019 11:56:22	0.2	0.2	0.2	0.2
519	4/9/2019 11:56:52	0.2	0.2	0.2	0.2
520	4/9/2019 11:57:22	0.2	0.2	0.2	0.2
521	4/9/2019 11:57:52	0.2	0.2	0.2	0.2
522	4/9/2019 11:58:22	0.2	0.2	0.2	0.2
523	4/9/2019 11:58:52	0.2	0.2	0.2	0.2
524	4/9/2019 11:59:22	0.2	0.2	0.2	0.2
525	4/9/2019 11:59:52	0.2	0.2	0.2	0.2
526	4/9/2019 12:00:22	0.2	0.2	0.2	0.2
527	4/9/2019 12:00:52	0.2	0.2	0.2	0.2
528	4/9/2019 12:01:22	0.2	0.2	0.2	0.2
529	4/9/2019 12:01:52	0.2	0.2	0.2	0.2
530	4/9/2019 12:02:22	0.2	0.2	0.2	0.2
531	4/9/2019 12:02:52	0.2	0.2	0.2	0.2
532	4/9/2019 12:03:22	0.2	0.2	0.2	0.2
533	4/9/2019 12:03:52	0.2	0.2	0.2	0.2
534	4/9/2019 12:04:22	0.2	0.2	0.2	0.2
535	4/9/2019 12:04:52	0.2	0.2	0.2	0.2
536	4/9/2019 12:05:22	0.2	0.2	0.2	0.2
537	4/9/2019 12:05:52	0.2	0.2	0.2	0.2
538	4/9/2019 12:06:22	0.2	0.2	0.2	0.2
539	4/9/2019 12:06:52	0.2	0.2	0.2	0.2
540	4/9/2019 12:07:22	0.2	0.2	0.2	0.2
541	4/9/2019 12:07:52	0.2	0.2	0.2	0.2
542	4/9/2019 12:08:22	0.2	0.2	0.2	0.2
543	4/9/2019 12:08:52	0.2	0.2	0.2	0.2
544	4/9/2019 12:09:22	0.2	0.2	0.2	0.2
545	4/9/2019 12:09:52	0.2	0.2	0.2	0.2
546	4/9/2019 12:10:22	0.2	0.2	0.2	0.2
547	4/9/2019 12:10:52	0.2	0.2	0.2	0.2
548	4/9/2019 12:11:22	0.2	0.2	0.2	0.2
549	4/9/2019 12:11:52	0.2	0.2	0.2	0.2
550	4/9/2019 12:12:22	0.2	0.2	0.2	0.2

551	4/9/2019 12:12:52	0.2	0.2	0.2	0.2
552	4/9/2019 12:13:22	0.2	0.2	0.2	0.2
553	4/9/2019 12:13:52	0.2	0.2	0.2	0.2
554	4/9/2019 12:14:22	0.2	0.2	0.2	0.2
555	4/9/2019 12:14:52	0.2	0.2	0.2	0.2
556	4/9/2019 12:15:22	0.2	0.2	0.2	0.2
557	4/9/2019 12:15:52	0.2	0.2	0.2	0.2
558	4/9/2019 12:16:22	0.2	0.2	0.2	0.2
559	4/9/2019 12:16:52	0.2	0.2	0.2	0.2
560	4/9/2019 12:17:22	0.2	0.2	0.2	0.2
561	4/9/2019 12:17:52	0.2	0.2	0.2	0.2
562	4/9/2019 12:18:22	0.2	0.2	0.2	0.2
563	4/9/2019 12:18:52	0.2	0.2	0.2	0.2
564	4/9/2019 12:19:22	0.2	0.2	0.2	0.2
565	4/9/2019 12:19:52	0.2	0.2	0.2	0.2
566	4/9/2019 12:20:22	0.2	0.2	0.2	0.2
567	4/9/2019 12:20:52	0.2	0.2	0.2	0.2
568	4/9/2019 12:21:22	0.2	0.2	0.2	0.2
569	4/9/2019 12:21:52	0.2	0.2	0.2	0.2
570	4/9/2019 12:22:22	0.2	0.2	0.2	0.2
571	4/9/2019 12:22:52	0.2	0.2	0.2	0.2
572	4/9/2019 12:23:22	0.2	0.2	0.2	0.2
573	4/9/2019 12:23:52	0.2	0.2	0.2	0.2
574	4/9/2019 12:24:22	0.2	0.2	0.2	0.2
575	4/9/2019 12:24:52	0.2	0.2	0.2	0.2
576	4/9/2019 12:25:22	0.2	0.2	0.2	0.2
577	4/9/2019 12:25:52	0.2	0.2	0.2	0.2
578	4/9/2019 12:26:22	0.2	0.2	0.2	0.2
579	4/9/2019 12:26:52	0.2	0.2	0.2	0.2
580	4/9/2019 12:27:22	0.2	0.2	0.2	0.2
581	4/9/2019 12:27:52	0.2	0.2	0.2	0.2
582	4/9/2019 12:28:22	0.2	0.2	0.2	0.2
583	4/9/2019 12:28:52	0.2	0.2	0.2	0.2
584	4/9/2019 12:29:22	0.2	0.2	0.2	0.2
585	4/9/2019 12:29:52	0.2	0.2	0.2	0.2
586	4/9/2019 12:30:22	0.2	0.2	0.2	0.2
587	4/9/2019 12:30:52	0.2	0.2	0.2	0.2
588	4/9/2019 12:31:22	0.2	0.2	0.2	0.2
589	4/9/2019 12:31:52	0.2	0.2	0.2	0.2
590	4/9/2019 12:32:22	0.2	0.2	0.2	0.2
591	4/9/2019 12:32:52	0.2	0.2	0.2	0.2
592	4/9/2019 12:33:22	0.2	0.2	0.2	0.2
593	4/9/2019 12:33:52	0.2	0.2	0.2	0.2
594	4/9/2019 12:34:22	0.2	0.2	0.2	0.2
595	4/9/2019 12:34:52	0.2	0.2	0.2	0.2
596	4/9/2019 12:35:22	0.2	0.2	0.2	0.2
597	4/9/2019 12:35:52	0.2	0.2	0.2	0.2
598	4/9/2019 12:36:22	0.2	0.2	0.2	0.2
599	4/9/2019 12:36:52	0.2	0.2	0.2	0.2
600	4/9/2019 12:37:22	0.2	0.2	0.2	0.2

601	4/9/2019 12:37:52	0.2	0.2	0.2	0.2
602	4/9/2019 12:38:22	0.2	0.2	0.2	0.2
603	4/9/2019 12:38:52	0.2	0.2	0.2	0.2
604	4/9/2019 12:39:22	0.2	0.2	0.2	0.2
605	4/9/2019 12:39:52	0.2	0.2	0.2	0.2
606	4/9/2019 12:40:22	0.2	0.2	0.2	0.2
607	4/9/2019 12:40:52	0.2	0.2	0.2	0.2
608	4/9/2019 12:41:22	0.2	0.2	0.2	0.2
609	4/9/2019 12:41:52	0.2	0.2	0.3	0.3
610	4/9/2019 12:42:22	0.2	0.2	0.3	0.2
611	4/9/2019 12:42:52	0.2	0.2	0.3	0.2
612	4/9/2019 12:43:22	0.2	0.2	0.2	0.2
613	4/9/2019 12:43:52	0.2	0.2	0.2	0.2
614	4/9/2019 12:44:22	0.2	0.2	0.2	0.2
615	4/9/2019 12:44:52	0.2	0.2	0.2	0.2
616	4/9/2019 12:45:22	0.2	0.2	0.2	0.2
617	4/9/2019 12:45:52	0.2	0.2	0.2	0.2
618	4/9/2019 12:46:22	0.2	0.2	0.2	0.2
619	4/9/2019 12:46:52	0.2	0.2	0.2	0.2
620	4/9/2019 12:47:22	0.2	0.2	0.2	0.2
621	4/9/2019 12:47:52	0.2	0.2	0.2	0.2
622	4/9/2019 12:48:22	0.2	0.2	0.2	0.2
623	4/9/2019 12:48:52	0.2	0.2	0.2	0.2
624	4/9/2019 12:49:22	0.2	0.2	0.2	0.2
625	4/9/2019 12:49:52	0.2	0.2	0.2	0.2
626	4/9/2019 12:50:22	0.2	0.2	0.2	0.2
627	4/9/2019 12:50:52	0.2	0.2	0.2	0.2
628	4/9/2019 12:51:22	0.2	0.2	0.2	0.2
629	4/9/2019 12:51:52	0.2	0.2	0.2	0.2
630	4/9/2019 12:52:22	0.2	0.2	0.2	0.2
631	4/9/2019 12:52:52	0.2	0.2	0.2	0.2
632	4/9/2019 12:53:22	0.2	0.2	0.2	0.2
633	4/9/2019 12:53:52	0.2	0.2	0.2	0.2
634	4/9/2019 12:54:22	0.2	0.2	0.2	0.2
635	4/9/2019 12:54:52	0.2	0.2	0.2	0.2
636	4/9/2019 12:55:22	0.2	0.2	0.2	0.2
637	4/9/2019 12:55:52	0.2	0.2	0.2	0.2
638	4/9/2019 12:56:22	0.2	0.2	0.2	0.2
639	4/9/2019 12:56:52	0.2	0.2	0.2	0.2
640	4/9/2019 12:57:22	0.2	0.2	0.2	0.2
641	4/9/2019 12:57:52	0.2	0.2	0.2	0.2
642	4/9/2019 12:58:22	0.2	0.2	0.2	0.2
643	4/9/2019 12:58:52	0.2	0.2	0.2	0.2
644	4/9/2019 12:59:22	0.2	0.2	0.2	0.2
645	4/9/2019 12:59:52	0.2	0.2	0.2	0.2
646	4/9/2019 13:00:22	0.2	0.2	0.2	0.2
647	4/9/2019 13:00:52	0.2	0.2	0.2	0.2
648	4/9/2019 13:01:22	0.2	0.2	0.2	0.2
649	4/9/2019 13:01:52	0.2	0.2	0.2	0.2
650	4/9/2019 13:02:22	0.2	0.2	0.2	0.2

651	4/9/2019 13:02:52	0.2	0.2	0.2	0.2
652	4/9/2019 13:03:22	0.2	0.2	0.2	0.2
653	4/9/2019 13:03:52	0.2	0.2	0.2	0.2
654	4/9/2019 13:04:22	0.2	0.2	0.2	0.2
655	4/9/2019 13:04:52	0.2	0.2	0.2	0.2
656	4/9/2019 13:05:22	0.2	0.2	0.2	0.2
657	4/9/2019 13:05:52	0.2	0.2	0.2	0.2
658	4/9/2019 13:06:22	0.2	0.2	0.2	0.2
659	4/9/2019 13:06:52	0.2	0.2	0.2	0.2
660	4/9/2019 13:07:22	0.2	0.2	0.2	0.2
661	4/9/2019 13:07:52	0.2	0.2	0.2	0.2
662	4/9/2019 13:08:22	0.2	0.2	0.2	0.2
663	4/9/2019 13:08:52	0.2	0.2	0.2	0.2
664	4/9/2019 13:09:22	0.2	0.2	0.2	0.2
665	4/9/2019 13:09:52	0.2	0.2	0.2	0.2
666	4/9/2019 13:10:22	0.2	0.3	0.3	0.3
667	4/9/2019 13:10:52	0.3	0.3	0.3	0.3
668	4/9/2019 13:11:22	0.2	0.3	0.3	0.3
669	4/9/2019 13:11:52	0.2	0.2	0.3	0.2
670	4/9/2019 13:12:22	0.2	0.2	0.2	0.2
671	4/9/2019 13:12:52	0.2	0.2	0.3	0.2
672	4/9/2019 13:13:22	0.2	0.2	0.3	0.2
673	4/9/2019 13:13:52	0.2	0.2	0.2	0.2
674	4/9/2019 13:14:22	0.2	0.2	0.3	0.2
675	4/9/2019 13:14:52	0.2	0.2	0.2	0.2
676	4/9/2019 13:15:22	0.2	0.2	0.2	0.2
677	4/9/2019 13:15:52	0.2	0.2	0.2	0.2
678	4/9/2019 13:16:22	0.2	0.2	0.2	0.2
679	4/9/2019 13:16:52	0.2	0.2	0.2	0.2
680	4/9/2019 13:17:22	0.2	0.2	0.3	0.3
681	4/9/2019 13:17:52	0.2	0.2	0.3	0.2
682	4/9/2019 13:18:22	0.2	0.2	0.2	0.2
683	4/9/2019 13:18:52	0.2	0.2	0.3	0.3
684	4/9/2019 13:19:22	0.2	0.2	0.3	0.2
685	4/9/2019 13:19:52	0.2	0.2	0.2	0.2
686	4/9/2019 13:20:22	0.2	0.2	0.2	0.2
687	4/9/2019 13:20:52	0.2	0.2	0.3	0.2
688	4/9/2019 13:21:22	0.2	0.2	0.2	0.2
689	4/9/2019 13:21:52	0.2	0.2	0.3	0.2
690	4/9/2019 13:22:22	0.2	0.2	0.3	0.3
691	4/9/2019 13:22:52	0.2	0.2	0.2	0.2
692	4/9/2019 13:23:22	0.2	0.2	0.2	0.2
693	4/9/2019 13:23:52	0.2	0.2	0.2	0.2
694	4/9/2019 13:24:22	0.2	0.2	0.2	0.2
695	4/9/2019 13:24:52	0.2	0.2	0.2	0.2
696	4/9/2019 13:25:22	0.2	0.2	0.2	0.2
697	4/9/2019 13:25:52	0.2	0.2	0.2	0.2
698	4/9/2019 13:26:22	0.2	0.2	0.2	0.2
699	4/9/2019 13:26:52	0.2	0.2	0.2	0.2
700	4/9/2019 13:27:22	0.2	0.2	0.2	0.2

701	4/9/2019 13:27:52	0.2	0.2	0.2	0.2
702	4/9/2019 13:28:22	0.2	0.2	0.2	0.2
703	4/9/2019 13:28:52	0.2	0.2	0.2	0.2
704	4/9/2019 13:29:22	0.2	0.2	0.2	0.2
705	4/9/2019 13:29:52	0.2	0.2	0.2	0.2
706	4/9/2019 13:30:22	0.2	0.2	0.2	0.2
707	4/9/2019 13:30:52	0.2	0.2	0.2	0.2
708	4/9/2019 13:31:22	0.2	0.2	0.2	0.2
709	4/9/2019 13:31:52	0.2	0.2	0.2	0.2
710	4/9/2019 13:32:22	0.2	0.2	0.2	0.2
711	4/9/2019 13:32:52	0.2	0.2	0.2	0.2
712	4/9/2019 13:33:22	0.2	0.2	0.2	0.2
713	4/9/2019 13:33:52	0.2	0.2	0.2	0.2
714	4/9/2019 13:34:22	0.2	0.2	0.2	0.2
715	4/9/2019 13:34:52	0.2	0.2	0.2	0.2
716	4/9/2019 13:35:22	0.2	0.2	0.2	0.2
717	4/9/2019 13:35:52	0.2	0.2	0.2	0.2
718	4/9/2019 13:36:22	0.2	0.2	0.2	0.2
719	4/9/2019 13:36:52	0.2	0.2	0.2	0.2
720	4/9/2019 13:37:22	0.2	0.2	0.2	0.2
721	4/9/2019 13:37:52	0.2	0.2	0.2	0.2
722	4/9/2019 13:38:22	0.2	0.2	0.2	0.2
723	4/9/2019 13:38:52	0.2	0.2	0.2	0.2
724	4/9/2019 13:39:22	0.2	0.2	0.2	0.2
725	4/9/2019 13:39:52	0.2	0.2	0.2	0.2
726	4/9/2019 13:40:22	0.2	0.2	0.2	0.2
727	4/9/2019 13:40:52	0.2	0.2	0.2	0.2
728	4/9/2019 13:41:22	0.2	0.2	0.2	0.2
729	4/9/2019 13:41:52	0.2	0.2	0.2	0.2
730	4/9/2019 13:42:22	0.2	0.2	0.2	0.2
731	4/9/2019 13:42:52	0.2	0.2	0.2	0.2
732	4/9/2019 13:43:22	0.2	0.2	0.2	0.2
733	4/9/2019 13:43:52	0.2	0.2	0.2	0.2
734	4/9/2019 13:44:22	0.2	0.2	0.2	0.2
735	4/9/2019 13:44:52	0.2	0.2	0.2	0.2
736	4/9/2019 13:45:22	0.2	0.2	0.2	0.2
737	4/9/2019 13:45:52	0.2	0.2	0.2	0.2
738	4/9/2019 13:46:22	0.2	0.2	0.2	0.2
739	4/9/2019 13:46:52	0.2	0.2	0.2	0.2
740	4/9/2019 13:47:22	0.2	0.2	0.2	0.2
741	4/9/2019 13:47:52	0.2	0.2	0.2	0.2
742	4/9/2019 13:48:22	0.2	0.2	0.2	0.2
743	4/9/2019 13:48:52	0.2	0.2	0.2	0.2
744	4/9/2019 13:49:22	0.2	0.2	0.2	0.2
745	4/9/2019 13:49:52	0.2	0.2	0.2	0.2
746	4/9/2019 13:50:22	0.2	0.2	0.2	0.2
747	4/9/2019 13:50:52	0.2	0.2	0.2	0.2
748	4/9/2019 13:51:22	0.2	0.2	0.2	0.2
749	4/9/2019 13:51:52	0.2	0.2	0.2	0.2
750	4/9/2019 13:52:22	0.2	0.2	0.2	0.2

751	4/9/2019 13:52:52	0.2	0.2	0.2	0.2
752	4/9/2019 13:53:22	0.2	0.2	0.2	0.2
753	4/9/2019 13:53:52	0.2	0.2	0.2	0.2
754	4/9/2019 13:54:22	0.2	0.2	0.2	0.2
755	4/9/2019 13:54:52	0.2	0.2	0.2	0.2
756	4/9/2019 13:55:22	0.2	0.2	0.2	0.2
757	4/9/2019 13:55:52	0.2	0.2	0.2	0.2
758	4/9/2019 13:56:22	0.2	0.2	0.2	0.2
759	4/9/2019 13:56:52	0.2	0.2	0.2	0.2
760	4/9/2019 13:57:22	0.2	0.2	0.2	0.2
761	4/9/2019 13:57:52	0.2	0.2	0.2	0.2
762	4/9/2019 13:58:22	0.2	0.2	0.2	0.2
763	4/9/2019 13:58:52	0.2	0.2	0.2	0.2
764	4/9/2019 13:59:22	0.2	0.2	0.3	0.2
765	4/9/2019 13:59:52	0.2	0.2	0.3	0.2
766	4/9/2019 14:00:22	0.2	0.2	0.2	0.2
767	4/9/2019 14:00:52	0.2	0.2	0.2	0.2
768	4/9/2019 14:01:22	0.2	0.2	0.2	0.2
769	4/9/2019 14:01:52	0.2	0.2	0.2	0.2
770	4/9/2019 14:02:22	0.2	0.2	0.2	0.2
771	4/9/2019 14:02:52	0.2	0.2	0.2	0.2
772	4/9/2019 14:03:22	0.2	0.2	0.2	0.2
773	4/9/2019 14:03:52	0.2	0.2	0.2	0.2
774	4/9/2019 14:04:22	0.2	0.2	0.2	0.2
775	4/9/2019 14:04:52	0.2	0.2	0.2	0.2
776	4/9/2019 14:05:22	0.2	0.2	0.2	0.2
777	4/9/2019 14:05:52	0.2	0.2	0.2	0.2
778	4/9/2019 14:06:22	0.2	0.2	0.2	0.2
779	4/9/2019 14:06:52	0.2	0.2	0.2	0.2
780	4/9/2019 14:07:22	0.2	0.2	0.2	0.2
781	4/9/2019 14:07:52	0.2	0.2	0.2	0.2
782	4/9/2019 14:08:22	0.2	0.2	0.2	0.2
783	4/9/2019 14:08:52	0.2	0.2	0.2	0.2
784	4/9/2019 14:09:22	0.2	0.2	0.2	0.2
785	4/9/2019 14:09:52	0.2	0.2	0.2	0.2
786	4/9/2019 14:10:22	0.2	0.2	0.2	0.2
787	4/9/2019 14:10:52	0.2	0.2	0.2	0.2
788	4/9/2019 14:11:22	0.2	0.2	0.2	0.2
789	4/9/2019 14:11:52	0.2	0.2	0.2	0.2
790	4/9/2019 14:12:22	0.2	0.2	0.2	0.2
791	4/9/2019 14:12:52	0.2	0.2	0.2	0.2
792	4/9/2019 14:13:22	0.2	0.2	0.2	0.2
793	4/9/2019 14:13:52	0.2	0.2	0.2	0.2
794	4/9/2019 14:14:22	0.2	0.2	0.2	0.2
795	4/9/2019 14:14:52	0.2	0.2	0.2	0.2
796	4/9/2019 14:15:22	0.2	0.2	0.2	0.2
797	4/9/2019 14:15:52	0.2	0.2	0.2	0.2
798	4/9/2019 14:16:22	0.2	0.2	0.2	0.2
799	4/9/2019 14:16:52	0.2	0.2	0.2	0.2
800	4/9/2019 14:17:22	0.2	0.2	0.2	0.2

801	4/9/2019 14:17:52	0.2	0.2	0.2	0.2
802	4/9/2019 14:18:22	0.2	0.2	0.2	0.2
803	4/9/2019 14:18:52	0.2	0.2	0.2	0.2
804	4/9/2019 14:19:22	0.2	0.2	0.2	0.2
805	4/9/2019 14:19:52	0.2	0.2	0.2	0.2
806	4/9/2019 14:20:22	0.2	0.2	0.2	0.2
807	4/9/2019 14:20:52	0.2	0.2	0.2	0.2
808	4/9/2019 14:21:22	0.2	0.2	0.2	0.2
809	4/9/2019 14:21:52	0.2	0.2	0.2	0.2
810	4/9/2019 14:22:22	0.2	0.2	0.2	0.2
811	4/9/2019 14:22:52	0.2	0.2	0.2	0.2
812	4/9/2019 14:23:22	0.2	0.2	0.2	0.2
813	4/9/2019 14:23:52	0.2	0.2	0.2	0.2
814	4/9/2019 14:24:22	0.2	0.2	0.2	0.2
815	4/9/2019 14:24:52	0.2	0.2	0.2	0.2
816	4/9/2019 14:25:22	0.2	0.2	0.2	0.2
817	4/9/2019 14:25:52	0.2	0.2	0.2	0.2
818	4/9/2019 14:26:22	0.2	0.2	0.2	0.2
819	4/9/2019 14:26:52	0.2	0.2	0.2	0.2
820	4/9/2019 14:27:22	0.2	0.2	0.2	0.2
821	4/9/2019 14:27:52	0.2	0.2	0.2	0.2
822	4/9/2019 14:28:22	0.2	0.2	0.2	0.2
823	4/9/2019 14:28:52	0.2	0.2	0.2	0.2
824	4/9/2019 14:29:22	0.2	0.2	0.2	0.2
825	4/9/2019 14:29:52	0.2	0.2	0.2	0.2
826	4/9/2019 14:30:22	0.2	0.2	0.2	0.2
827	4/9/2019 14:30:52	0.2	0.2	0.2	0.2
828	4/9/2019 14:31:22	0.2	0.2	0.2	0.2
829	4/9/2019 14:31:52	0.2	0.2	0.2	0.2
830	4/9/2019 14:32:22	0.2	0.2	0.2	0.2
831	4/9/2019 14:32:52	0.2	0.2	0.2	0.2
832	4/9/2019 14:33:22	0.2	0.2	0.2	0.2
833	4/9/2019 14:33:52	0.2	0.2	0.2	0.2
834	4/9/2019 14:34:22	0.2	0.2	0.2	0.2
835	4/9/2019 14:34:52	0.2	0.2	0.2	0.2
836	4/9/2019 14:35:22	0.2	0.2	0.2	0.2
837	4/9/2019 14:35:52	0.2	0.2	0.2	0.2
838	4/9/2019 14:36:22	0.2	0.2	0.2	0.2
839	4/9/2019 14:36:52	0.2	0.2	0.2	0.2
840	4/9/2019 14:37:22	0.2	0.2	0.2	0.2
841	4/9/2019 14:37:52	0.2	0.2	0.2	0.2
842	4/9/2019 14:38:22	0.2	0.2	0.2	0.2
843	4/9/2019 14:38:52	0.2	0.2	0.2	0.2
844	4/9/2019 14:39:22	0.2	0.2	0.2	0.2
845	4/9/2019 14:39:52	0.2	0.2	0.2	0.2
846	4/9/2019 14:40:22	0.2	0.2	0.2	0.2
847	4/9/2019 14:40:52	0.2	0.2	0.2	0.2
848	4/9/2019 14:41:22	0.2	0.2	0.2	0.2
849	4/9/2019 14:41:52	0.2	0.2	0.2	0.2
850	4/9/2019 14:42:22	0.2	0.2	0.2	0.2

851	4/9/2019 14:42:52	0.2	0.2	0.2	0.2
852	4/9/2019 14:43:22	0.2	0.2	0.2	0.2
853	4/9/2019 14:43:52	0.2	0.2	0.2	0.2
854	4/9/2019 14:44:22	0.2	0.2	0.2	0.2
855	4/9/2019 14:44:52	0.2	0.2	0.2	0.2
856	4/9/2019 14:45:22	0.2	0.2	0.2	0.2
857	4/9/2019 14:45:52	0.2	0.2	0.2	0.2
858	4/9/2019 14:46:22	0.2	0.2	0.2	0.2
859	4/9/2019 14:46:52	0.2	0.2	0.2	0.2
860	4/9/2019 14:47:22	0.2	0.2	0.2	0.2
861	4/9/2019 14:47:52	0.2	0.2	0.2	0.2
862	4/9/2019 14:48:22	0.2	0.2	0.2	0.2
863	4/9/2019 14:48:52	0.2	0.2	0.2	0.2
864	4/9/2019 14:49:22	0.2	0.2	0.2	0.2
865	4/9/2019 14:49:52	0.2	0.2	0.2	0.2
866	4/9/2019 14:50:22	0.2	0.2	0.2	0.2
867	4/9/2019 14:50:52	0.2	0.2	0.2	0.2
868	4/9/2019 14:51:22	0.2	0.2	0.2	0.2
869	4/9/2019 14:51:52	0.2	0.2	0.3	0.3
870	4/9/2019 14:52:22	0.2	0.2	0.2	0.2
871	4/9/2019 14:52:52	0.2	0.2	0.2	0.2
872	4/9/2019 14:53:22	0.2	0.2	0.2	0.2
873	4/9/2019 14:53:52	0.2	0.2	0.2	0.2
874	4/9/2019 14:54:22	0.2	0.2	0.2	0.2
875	4/9/2019 14:54:52	0.2	0.2	0.2	0.2
876	4/9/2019 14:55:22	0.2	0.2	0.2	0.2
877	4/9/2019 14:55:52	0.2	0.2	0.2	0.2
878	4/9/2019 14:56:22	0.2	0.2	0.2	0.2
879	4/9/2019 14:56:52	0.2	0.2	0.2	0.2
880	4/9/2019 14:57:22	0.2	0.2	0.2	0.2
881	4/9/2019 14:57:52	0.2	0.2	0.2	0.2
882	4/9/2019 14:58:22	0.2	0.2	0.2	0.2
883	4/9/2019 14:58:52	0.2	0.2	0.2	0.2
884	4/9/2019 14:59:22	0.2	0.2	0.2	0.2
885	4/9/2019 14:59:52	0.2	0.2	0.2	0.2
886	4/9/2019 15:00:22	0.2	0.2	0.2	0.2
887	4/9/2019 15:00:52	0.2	0.2	0.2	0.2
888	4/9/2019 15:01:22	0.2	0.2	0.2	0.2
889	4/9/2019 15:01:52	0.2	0.2	0.2	0.2
890	4/9/2019 15:02:22	0.2	0.2	0.2	0.2
891	4/9/2019 15:02:52	0.2	0.2	0.2	0.2
892	4/9/2019 15:03:22	0.2	0.2	0.2	0.2
893	4/9/2019 15:03:52	0.2	0.2	0.2	0.2
894	4/9/2019 15:04:22	0.2	0.2	0.2	0.2
895	4/9/2019 15:04:52	0.2	0.2	0.2	0.2
896	4/9/2019 15:05:22	0.2	0.2	0.2	0.2
897	4/9/2019 15:05:52	0.2	0.2	0.2	0.2
898	4/9/2019 15:06:22	0.2	0.2	0.2	0.2
899	4/9/2019 15:06:52	0.1	0.2	0.2	0.1
900	4/9/2019 15:07:22	0.1	0.1	0.2	0.1

901	4/9/2019 15:07:52	0.1	0.2	0.2	0.2
902	4/9/2019 15:08:22	0.1	0.2	0.2	0.2
903	4/9/2019 15:08:52	0.1	0.1	0.2	0.2
Peak		0.3	0.3	0.3	0.3
Min		0.0	0.0	0.0	0.0
Average		0.1	0.1	0.2	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/9/2019 07:37:52	0.0	---
002	4/9/2019 07:38:22	0.0	---
003	4/9/2019 07:38:52	0.0	---
004	4/9/2019 07:39:22	0.0	---
005	4/9/2019 07:39:52	0.0	---
006	4/9/2019 07:40:22	0.0	---
007	4/9/2019 07:40:52	0.0	---
008	4/9/2019 07:41:22	0.0	---
009	4/9/2019 07:41:52	0.0	---
010	4/9/2019 07:42:22	0.0	---
011	4/9/2019 07:42:52	0.0	---
012	4/9/2019 07:43:22	0.0	---
013	4/9/2019 07:43:52	0.0	---
014	4/9/2019 07:44:22	0.0	---
015	4/9/2019 07:44:52	0.0	---
016	4/9/2019 07:45:22	0.0	---
017	4/9/2019 07:45:52	0.0	---
018	4/9/2019 07:46:22	0.0	---
019	4/9/2019 07:46:52	0.0	---
020	4/9/2019 07:47:22	0.0	---
021	4/9/2019 07:47:52	0.0	---
022	4/9/2019 07:48:22	0.0	---
023	4/9/2019 07:48:52	0.0	---
024	4/9/2019 07:49:22	0.0	---
025	4/9/2019 07:49:52	0.0	---
026	4/9/2019 07:50:22	0.0	---
027	4/9/2019 07:50:52	0.0	---
028	4/9/2019 07:51:22	0.0	---
029	4/9/2019 07:51:52	0.0	---
030	4/9/2019 07:52:22	0.0	0.0
031	4/9/2019 07:52:52	0.0	0.0
032	4/9/2019 07:53:22	0.0	0.0
033	4/9/2019 07:53:52	0.0	0.0
034	4/9/2019 07:54:22	0.0	0.0
035	4/9/2019 07:54:52	0.0	0.0
036	4/9/2019 07:55:22	0.0	0.0
037	4/9/2019 07:55:52	0.0	0.0
038	4/9/2019 07:56:22	0.0	0.0
039	4/9/2019 07:56:52	0.0	0.0

040	4/9/2019 07:57:22	0.0	0.0
041	4/9/2019 07:57:52	0.0	0.0
042	4/9/2019 07:58:22	0.0	0.0
043	4/9/2019 07:58:52	0.0	0.0
044	4/9/2019 07:59:22	0.0	0.0
045	4/9/2019 07:59:52	0.0	0.0
046	4/9/2019 08:00:22	0.0	0.0
047	4/9/2019 08:00:52	0.0	0.0
048	4/9/2019 08:01:22	0.0	0.0
049	4/9/2019 08:01:52	0.0	0.0
050	4/9/2019 08:02:22	0.0	0.0
051	4/9/2019 08:02:52	0.0	0.0
052	4/9/2019 08:03:22	0.0	0.0
053	4/9/2019 08:03:52	0.0	0.0
054	4/9/2019 08:04:22	0.0	0.0
055	4/9/2019 08:04:52	0.0	0.0
056	4/9/2019 08:05:22	0.0	0.0
057	4/9/2019 08:05:52	0.0	0.0
058	4/9/2019 08:06:22	0.0	0.0
059	4/9/2019 08:06:52	0.0	0.0
060	4/9/2019 08:07:22	0.0	0.0
061	4/9/2019 08:07:52	0.0	0.0
062	4/9/2019 08:08:22	0.0	0.0
063	4/9/2019 08:08:52	0.0	0.0
064	4/9/2019 08:09:22	0.0	0.0
065	4/9/2019 08:09:52	0.0	0.0
066	4/9/2019 08:10:22	0.0	0.0
067	4/9/2019 08:10:52	0.0	0.0
068	4/9/2019 08:11:22	0.0	0.0
069	4/9/2019 08:11:52	0.0	0.0
070	4/9/2019 08:12:22	0.0	0.0
071	4/9/2019 08:12:52	0.0	0.0
072	4/9/2019 08:13:22	0.0	0.0
073	4/9/2019 08:13:52	0.0	0.0
074	4/9/2019 08:14:22	0.0	0.0
075	4/9/2019 08:14:52	0.0	0.0
076	4/9/2019 08:15:22	0.0	0.0
077	4/9/2019 08:15:52	0.0	0.0
078	4/9/2019 08:16:22	0.0	0.0
079	4/9/2019 08:16:52	0.0	0.0
080	4/9/2019 08:17:22	0.0	0.0
081	4/9/2019 08:17:52	0.0	0.0
082	4/9/2019 08:18:22	0.0	0.0
083	4/9/2019 08:18:52	0.0	0.0
084	4/9/2019 08:19:22	0.0	0.0
085	4/9/2019 08:19:52	0.0	0.0
086	4/9/2019 08:20:22	0.0	0.0
087	4/9/2019 08:20:52	0.0	0.0
088	4/9/2019 08:21:22	0.0	0.0
089	4/9/2019 08:21:52	0.0	0.0

090	4/9/2019 08:22:22	0.0	0.0
091	4/9/2019 08:22:52	0.0	0.0
092	4/9/2019 08:23:22	0.0	0.0
093	4/9/2019 08:23:52	0.0	0.0
094	4/9/2019 08:24:22	0.0	0.0
095	4/9/2019 08:24:52	0.0	0.0
096	4/9/2019 08:25:22	0.0	0.0
097	4/9/2019 08:25:52	0.0	0.0
098	4/9/2019 08:26:22	0.0	0.0
099	4/9/2019 08:26:52	0.0	0.0
100	4/9/2019 08:27:22	0.0	0.0
101	4/9/2019 08:27:52	0.0	0.0
102	4/9/2019 08:28:22	0.0	0.0
103	4/9/2019 08:28:52	0.0	0.0
104	4/9/2019 08:29:22	0.0	0.0
105	4/9/2019 08:29:52	0.0	0.0
106	4/9/2019 08:30:22	0.0	0.0
107	4/9/2019 08:30:52	0.0	0.0
108	4/9/2019 08:31:22	0.0	0.0
109	4/9/2019 08:31:52	0.0	0.0
110	4/9/2019 08:32:22	0.0	0.0
111	4/9/2019 08:32:52	0.0	0.0
112	4/9/2019 08:33:22	0.0	0.0
113	4/9/2019 08:33:52	0.0	0.0
114	4/9/2019 08:34:22	0.0	0.0
115	4/9/2019 08:34:52	0.0	0.0
116	4/9/2019 08:35:22	0.0	0.0
117	4/9/2019 08:35:52	0.0	0.0
118	4/9/2019 08:36:22	0.0	0.0
119	4/9/2019 08:36:52	0.0	0.0
120	4/9/2019 08:37:22	0.0	0.0
121	4/9/2019 08:37:52	0.0	0.0
122	4/9/2019 08:38:22	0.0	0.0
123	4/9/2019 08:38:52	0.0	0.0
124	4/9/2019 08:39:22	0.0	0.0
125	4/9/2019 08:39:52	0.0	0.0
126	4/9/2019 08:40:22	0.0	0.0
127	4/9/2019 08:40:52	0.0	0.0
128	4/9/2019 08:41:22	0.0	0.0
129	4/9/2019 08:41:52	0.0	0.0
130	4/9/2019 08:42:22	0.0	0.0
131	4/9/2019 08:42:52	0.0	0.0
132	4/9/2019 08:43:22	0.0	0.0
133	4/9/2019 08:43:52	0.0	0.0
134	4/9/2019 08:44:22	0.0	0.0
135	4/9/2019 08:44:52	0.0	0.0
136	4/9/2019 08:45:22	0.0	0.0
137	4/9/2019 08:45:52	0.0	0.0
138	4/9/2019 08:46:22	0.0	0.1
139	4/9/2019 08:46:52	0.0	0.1

140	4/9/2019 08:47:22	0.0	0.1
141	4/9/2019 08:47:52	0.0	0.1
142	4/9/2019 08:48:22	0.0	0.1
143	4/9/2019 08:48:52	0.0	0.1
144	4/9/2019 08:49:22	0.0	0.1
145	4/9/2019 08:49:52	0.0	0.1
146	4/9/2019 08:50:22	0.0	0.1
147	4/9/2019 08:50:52	0.0	0.1
148	4/9/2019 08:51:22	0.0	0.1
149	4/9/2019 08:51:52	0.0	0.1
150	4/9/2019 08:52:22	0.0	0.1
151	4/9/2019 08:52:52	0.0	0.1
152	4/9/2019 08:53:22	0.0	0.1
153	4/9/2019 08:53:52	0.0	0.1
154	4/9/2019 08:54:22	0.0	0.1
155	4/9/2019 08:54:52	0.0	0.1
156	4/9/2019 08:55:22	0.0	0.1
157	4/9/2019 08:55:52	0.0	0.1
158	4/9/2019 08:56:22	0.0	0.1
159	4/9/2019 08:56:52	0.0	0.1
160	4/9/2019 08:57:22	0.0	0.1
161	4/9/2019 08:57:52	0.0	0.1
162	4/9/2019 08:58:22	0.0	0.1
163	4/9/2019 08:58:52	0.0	0.1
164	4/9/2019 08:59:22	0.0	0.1
165	4/9/2019 08:59:52	0.0	0.1
166	4/9/2019 09:00:22	0.0	0.1
167	4/9/2019 09:00:52	0.0	0.1
168	4/9/2019 09:01:22	0.0	0.1
169	4/9/2019 09:01:52	0.0	0.1
170	4/9/2019 09:02:22	0.0	0.1
171	4/9/2019 09:02:52	0.0	0.1
172	4/9/2019 09:03:22	0.0	0.1
173	4/9/2019 09:03:52	0.0	0.1
174	4/9/2019 09:04:22	0.0	0.1
175	4/9/2019 09:04:52	0.0	0.1
176	4/9/2019 09:05:22	0.0	0.1
177	4/9/2019 09:05:52	0.0	0.1
178	4/9/2019 09:06:22	0.0	0.1
179	4/9/2019 09:06:52	0.0	0.1
180	4/9/2019 09:07:22	0.0	0.1
181	4/9/2019 09:07:52	0.0	0.1
182	4/9/2019 09:08:22	0.0	0.1
183	4/9/2019 09:08:52	0.0	0.1
184	4/9/2019 09:09:22	0.0	0.1
185	4/9/2019 09:09:52	0.0	0.1
186	4/9/2019 09:10:22	0.0	0.1
187	4/9/2019 09:10:52	0.0	0.1
188	4/9/2019 09:11:22	0.0	0.1
189	4/9/2019 09:11:52	0.0	0.1

190	4/9/2019 09:12:22	0.0	0.1
191	4/9/2019 09:12:52	0.0	0.1
192	4/9/2019 09:13:22	0.0	0.1
193	4/9/2019 09:13:52	0.0	0.1
194	4/9/2019 09:14:22	0.0	0.1
195	4/9/2019 09:14:52	0.0	0.1
196	4/9/2019 09:15:22	0.0	0.1
197	4/9/2019 09:15:52	0.0	0.1
198	4/9/2019 09:16:22	0.0	0.1
199	4/9/2019 09:16:52	0.0	0.1
200	4/9/2019 09:17:22	0.0	0.1
201	4/9/2019 09:17:52	0.0	0.1
202	4/9/2019 09:18:22	0.0	0.1
203	4/9/2019 09:18:52	0.0	0.1
204	4/9/2019 09:19:22	0.0	0.1
205	4/9/2019 09:19:52	0.0	0.1
206	4/9/2019 09:20:22	0.0	0.1
207	4/9/2019 09:20:52	0.0	0.1
208	4/9/2019 09:21:22	0.0	0.1
209	4/9/2019 09:21:52	0.0	0.1
210	4/9/2019 09:22:22	0.0	0.1
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212	4/9/2019 09:23:22	0.0	0.1
213	4/9/2019 09:23:52	0.0	0.1
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216	4/9/2019 09:25:22	0.0	0.1
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218	4/9/2019 09:26:22	0.0	0.1
219	4/9/2019 09:26:52	0.0	0.1
220	4/9/2019 09:27:22	0.0	0.1
221	4/9/2019 09:27:52	0.0	0.1
222	4/9/2019 09:28:22	0.0	0.1
223	4/9/2019 09:28:52	0.0	0.1
224	4/9/2019 09:29:22	0.0	0.1
225	4/9/2019 09:29:52	0.0	0.1
226	4/9/2019 09:30:22	0.0	0.1
227	4/9/2019 09:30:52	0.0	0.1
228	4/9/2019 09:31:22	0.0	0.1
229	4/9/2019 09:31:52	0.0	0.1
230	4/9/2019 09:32:22	0.0	0.1
231	4/9/2019 09:32:52	0.0	0.1
232	4/9/2019 09:33:22	0.0	0.1
233	4/9/2019 09:33:52	0.0	0.1
234	4/9/2019 09:34:22	0.0	0.1
235	4/9/2019 09:34:52	0.0	0.1
236	4/9/2019 09:35:22	0.0	0.1
237	4/9/2019 09:35:52	0.0	0.1
238	4/9/2019 09:36:22	0.0	0.1
239	4/9/2019 09:36:52	0.0	0.1

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243	4/9/2019 09:38:52	0.0	0.1
244	4/9/2019 09:39:22	0.0	0.1
245	4/9/2019 09:39:52	0.0	0.1
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247	4/9/2019 09:40:52	0.0	0.1
248	4/9/2019 09:41:22	0.0	0.1
249	4/9/2019 09:41:52	0.0	0.1
250	4/9/2019 09:42:22	0.0	0.1
251	4/9/2019 09:42:52	0.0	0.1
252	4/9/2019 09:43:22	0.0	0.1
253	4/9/2019 09:43:52	0.0	0.1
254	4/9/2019 09:44:22	0.0	0.1
255	4/9/2019 09:44:52	0.0	0.1
256	4/9/2019 09:45:22	0.0	0.1
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260	4/9/2019 09:47:22	0.0	0.1
261	4/9/2019 09:47:52	0.0	0.1
262	4/9/2019 09:48:22	0.0	0.1
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266	4/9/2019 09:50:22	0.0	0.1
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270	4/9/2019 09:52:22	0.0	0.1
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285	4/9/2019 09:59:52	0.0	0.1
286	4/9/2019 10:00:22	0.0	0.1
287	4/9/2019 10:00:52	0.0	0.1
288	4/9/2019 10:01:22	0.0	0.1
289	4/9/2019 10:01:52	0.0	0.1

290	4/9/2019 10:02:22	0.0	0.1
291	4/9/2019 10:02:52	0.0	0.1
292	4/9/2019 10:03:22	0.0	0.1
293	4/9/2019 10:03:52	0.0	0.1
294	4/9/2019 10:04:22	0.0	0.1
295	4/9/2019 10:04:52	0.0	0.1
296	4/9/2019 10:05:22	0.0	0.1
297	4/9/2019 10:05:52	0.0	0.1
298	4/9/2019 10:06:22	0.0	0.1
299	4/9/2019 10:06:52	0.0	0.1
300	4/9/2019 10:07:22	0.0	0.1
301	4/9/2019 10:07:52	0.0	0.1
302	4/9/2019 10:08:22	0.0	0.1
303	4/9/2019 10:08:52	0.0	0.1
304	4/9/2019 10:09:22	0.0	0.1
305	4/9/2019 10:09:52	0.0	0.1
306	4/9/2019 10:10:22	0.0	0.1
307	4/9/2019 10:10:52	0.0	0.1
308	4/9/2019 10:11:22	0.0	0.1
309	4/9/2019 10:11:52	0.0	0.1
310	4/9/2019 10:12:22	0.0	0.1
311	4/9/2019 10:12:52	0.0	0.1
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323	4/9/2019 10:18:52	0.0	0.1
324	4/9/2019 10:19:22	0.0	0.1
325	4/9/2019 10:19:52	0.0	0.1
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327	4/9/2019 10:20:52	0.0	0.1
328	4/9/2019 10:21:22	0.0	0.1
329	4/9/2019 10:21:52	0.0	0.1
330	4/9/2019 10:22:22	0.0	0.1
331	4/9/2019 10:22:52	0.0	0.1
332	4/9/2019 10:23:22	0.0	0.1
333	4/9/2019 10:23:52	0.0	0.1
334	4/9/2019 10:24:22	0.0	0.1
335	4/9/2019 10:24:52	0.0	0.1
336	4/9/2019 10:25:22	0.0	0.1
337	4/9/2019 10:25:52	0.0	0.1
338	4/9/2019 10:26:22	0.0	0.1
339	4/9/2019 10:26:52	0.0	0.1

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343	4/9/2019 10:28:52	0.0	0.1
344	4/9/2019 10:29:22	0.0	0.1
345	4/9/2019 10:29:52	0.0	0.1
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366	4/9/2019 10:40:22	0.0	0.2
367	4/9/2019 10:40:52	0.0	0.2
368	4/9/2019 10:41:22	0.0	0.2
369	4/9/2019 10:41:52	0.0	0.2
370	4/9/2019 10:42:22	0.0	0.2
371	4/9/2019 10:42:52	0.0	0.2
372	4/9/2019 10:43:22	0.0	0.2
373	4/9/2019 10:43:52	0.0	0.2
374	4/9/2019 10:44:22	0.0	0.2
375	4/9/2019 10:44:52	0.0	0.2
376	4/9/2019 10:45:22	0.0	0.2
377	4/9/2019 10:45:52	0.0	0.2
378	4/9/2019 10:46:22	0.0	0.2
379	4/9/2019 10:46:52	0.0	0.2
380	4/9/2019 10:47:22	0.0	0.2
381	4/9/2019 10:47:52	0.0	0.2
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386	4/9/2019 10:50:22	0.0	0.2
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389	4/9/2019 10:51:52	0.0	0.2

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394	4/9/2019 10:54:22	0.0	0.2
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404	4/9/2019 10:59:22	0.0	0.2
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409	4/9/2019 11:01:52	0.0	0.2
410	4/9/2019 11:02:22	0.0	0.2
411	4/9/2019 11:02:52	0.0	0.2
412	4/9/2019 11:03:22	0.0	0.2
413	4/9/2019 11:03:52	0.0	0.2
414	4/9/2019 11:04:22	0.0	0.2
415	4/9/2019 11:04:52	0.0	0.2
416	4/9/2019 11:05:22	0.0	0.2
417	4/9/2019 11:05:52	0.0	0.2
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419	4/9/2019 11:06:52	0.0	0.2
420	4/9/2019 11:07:22	0.0	0.2
421	4/9/2019 11:07:52	0.0	0.2
422	4/9/2019 11:08:22	0.0	0.2
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431	4/9/2019 11:12:52	0.0	0.2
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453	4/9/2019 11:23:52	0.0	0.2
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462	4/9/2019 11:28:22	0.0	0.2
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483	4/9/2019 11:38:52	0.1	0.2
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486	4/9/2019 11:40:22	0.1	0.2
487	4/9/2019 11:40:52	0.1	0.2
488	4/9/2019 11:41:22	0.1	0.2
489	4/9/2019 11:41:52	0.1	0.2

490	4/9/2019 11:42:22	0.1	0.2
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497	4/9/2019 11:45:52	0.1	0.2
498	4/9/2019 11:46:22	0.1	0.2
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500	4/9/2019 11:47:22	0.1	0.2
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502	4/9/2019 11:48:22	0.1	0.2
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524	4/9/2019 11:59:22	0.1	0.2
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526	4/9/2019 12:00:22	0.1	0.2
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528	4/9/2019 12:01:22	0.1	0.2
529	4/9/2019 12:01:52	0.1	0.2
530	4/9/2019 12:02:22	0.1	0.2
531	4/9/2019 12:02:52	0.1	0.2
532	4/9/2019 12:03:22	0.1	0.2
533	4/9/2019 12:03:52	0.1	0.2
534	4/9/2019 12:04:22	0.1	0.2
535	4/9/2019 12:04:52	0.1	0.2
536	4/9/2019 12:05:22	0.1	0.2
537	4/9/2019 12:05:52	0.1	0.2
538	4/9/2019 12:06:22	0.1	0.2
539	4/9/2019 12:06:52	0.1	0.2

540	4/9/2019 12:07:22	0.1	0.2
541	4/9/2019 12:07:52	0.1	0.2
542	4/9/2019 12:08:22	0.1	0.2
543	4/9/2019 12:08:52	0.1	0.2
544	4/9/2019 12:09:22	0.1	0.2
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546	4/9/2019 12:10:22	0.1	0.2
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548	4/9/2019 12:11:22	0.1	0.2
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550	4/9/2019 12:12:22	0.1	0.2
551	4/9/2019 12:12:52	0.1	0.2
552	4/9/2019 12:13:22	0.1	0.2
553	4/9/2019 12:13:52	0.1	0.2
554	4/9/2019 12:14:22	0.1	0.2
555	4/9/2019 12:14:52	0.1	0.2
556	4/9/2019 12:15:22	0.1	0.2
557	4/9/2019 12:15:52	0.1	0.2
558	4/9/2019 12:16:22	0.1	0.2
559	4/9/2019 12:16:52	0.1	0.2
560	4/9/2019 12:17:22	0.1	0.2
561	4/9/2019 12:17:52	0.1	0.2
562	4/9/2019 12:18:22	0.1	0.2
563	4/9/2019 12:18:52	0.1	0.2
564	4/9/2019 12:19:22	0.1	0.2
565	4/9/2019 12:19:52	0.1	0.2
566	4/9/2019 12:20:22	0.1	0.2
567	4/9/2019 12:20:52	0.1	0.2
568	4/9/2019 12:21:22	0.1	0.2
569	4/9/2019 12:21:52	0.1	0.2
570	4/9/2019 12:22:22	0.1	0.2
571	4/9/2019 12:22:52	0.1	0.2
572	4/9/2019 12:23:22	0.1	0.2
573	4/9/2019 12:23:52	0.1	0.2
574	4/9/2019 12:24:22	0.1	0.2
575	4/9/2019 12:24:52	0.1	0.2
576	4/9/2019 12:25:22	0.1	0.2
577	4/9/2019 12:25:52	0.1	0.2
578	4/9/2019 12:26:22	0.1	0.2
579	4/9/2019 12:26:52	0.1	0.2
580	4/9/2019 12:27:22	0.1	0.2
581	4/9/2019 12:27:52	0.1	0.2
582	4/9/2019 12:28:22	0.1	0.2
583	4/9/2019 12:28:52	0.1	0.2
584	4/9/2019 12:29:22	0.1	0.2
585	4/9/2019 12:29:52	0.1	0.2
586	4/9/2019 12:30:22	0.1	0.2
587	4/9/2019 12:30:52	0.1	0.2
588	4/9/2019 12:31:22	0.1	0.2
589	4/9/2019 12:31:52	0.1	0.2

590	4/9/2019 12:32:22	0.1	0.2
591	4/9/2019 12:32:52	0.1	0.2
592	4/9/2019 12:33:22	0.1	0.2
593	4/9/2019 12:33:52	0.1	0.2
594	4/9/2019 12:34:22	0.1	0.2
595	4/9/2019 12:34:52	0.1	0.2
596	4/9/2019 12:35:22	0.1	0.2
597	4/9/2019 12:35:52	0.1	0.2
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599	4/9/2019 12:36:52	0.1	0.2
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601	4/9/2019 12:37:52	0.1	0.2
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603	4/9/2019 12:38:52	0.1	0.2
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605	4/9/2019 12:39:52	0.1	0.2
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607	4/9/2019 12:40:52	0.1	0.2
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609	4/9/2019 12:41:52	0.1	0.2
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615	4/9/2019 12:44:52	0.1	0.2
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621	4/9/2019 12:47:52	0.1	0.2
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628	4/9/2019 12:51:22	0.1	0.2
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634	4/9/2019 12:54:22	0.1	0.2
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644	4/9/2019 12:59:22	0.1	0.2
645	4/9/2019 12:59:52	0.1	0.2
646	4/9/2019 13:00:22	0.1	0.2
647	4/9/2019 13:00:52	0.1	0.2
648	4/9/2019 13:01:22	0.1	0.2
649	4/9/2019 13:01:52	0.1	0.2
650	4/9/2019 13:02:22	0.1	0.2
651	4/9/2019 13:02:52	0.1	0.2
652	4/9/2019 13:03:22	0.1	0.2
653	4/9/2019 13:03:52	0.1	0.2
654	4/9/2019 13:04:22	0.1	0.2
655	4/9/2019 13:04:52	0.1	0.2
656	4/9/2019 13:05:22	0.1	0.2
657	4/9/2019 13:05:52	0.1	0.2
658	4/9/2019 13:06:22	0.1	0.2
659	4/9/2019 13:06:52	0.1	0.2
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662	4/9/2019 13:08:22	0.1	0.2
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670	4/9/2019 13:12:22	0.1	0.2
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676	4/9/2019 13:15:22	0.1	0.2
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678	4/9/2019 13:16:22	0.1	0.2
679	4/9/2019 13:16:52	0.1	0.2
680	4/9/2019 13:17:22	0.1	0.2
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682	4/9/2019 13:18:22	0.1	0.2
683	4/9/2019 13:18:52	0.1	0.2
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685	4/9/2019 13:19:52	0.1	0.2
686	4/9/2019 13:20:22	0.1	0.2
687	4/9/2019 13:20:52	0.1	0.2
688	4/9/2019 13:21:22	0.1	0.2
689	4/9/2019 13:21:52	0.1	0.2

690	4/9/2019 13:22:22	0.1	0.2
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693	4/9/2019 13:23:52	0.1	0.2
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695	4/9/2019 13:24:52	0.1	0.2
696	4/9/2019 13:25:22	0.1	0.2
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698	4/9/2019 13:26:22	0.1	0.2
699	4/9/2019 13:26:52	0.1	0.2
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701	4/9/2019 13:27:52	0.1	0.2
702	4/9/2019 13:28:22	0.1	0.2
703	4/9/2019 13:28:52	0.1	0.2
704	4/9/2019 13:29:22	0.1	0.2
705	4/9/2019 13:29:52	0.1	0.2
706	4/9/2019 13:30:22	0.1	0.2
707	4/9/2019 13:30:52	0.1	0.2
708	4/9/2019 13:31:22	0.1	0.2
709	4/9/2019 13:31:52	0.1	0.2
710	4/9/2019 13:32:22	0.1	0.2
711	4/9/2019 13:32:52	0.1	0.2
712	4/9/2019 13:33:22	0.1	0.2
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714	4/9/2019 13:34:22	0.1	0.2
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718	4/9/2019 13:36:22	0.1	0.2
719	4/9/2019 13:36:52	0.1	0.2
720	4/9/2019 13:37:22	0.1	0.2
721	4/9/2019 13:37:52	0.1	0.2
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723	4/9/2019 13:38:52	0.1	0.2
724	4/9/2019 13:39:22	0.1	0.2
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729	4/9/2019 13:41:52	0.1	0.2
730	4/9/2019 13:42:22	0.1	0.2
731	4/9/2019 13:42:52	0.1	0.2
732	4/9/2019 13:43:22	0.1	0.2
733	4/9/2019 13:43:52	0.1	0.2
734	4/9/2019 13:44:22	0.1	0.2
735	4/9/2019 13:44:52	0.1	0.2
736	4/9/2019 13:45:22	0.1	0.2
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738	4/9/2019 13:46:22	0.1	0.2
739	4/9/2019 13:46:52	0.1	0.2

740	4/9/2019 13:47:22	0.1	0.2
741	4/9/2019 13:47:52	0.1	0.2
742	4/9/2019 13:48:22	0.1	0.2
743	4/9/2019 13:48:52	0.1	0.2
744	4/9/2019 13:49:22	0.1	0.2
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746	4/9/2019 13:50:22	0.1	0.2
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748	4/9/2019 13:51:22	0.1	0.2
749	4/9/2019 13:51:52	0.1	0.2
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753	4/9/2019 13:53:52	0.1	0.2
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755	4/9/2019 13:54:52	0.1	0.2
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762	4/9/2019 13:58:22	0.1	0.2
763	4/9/2019 13:58:52	0.1	0.2
764	4/9/2019 13:59:22	0.1	0.2
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766	4/9/2019 14:00:22	0.1	0.2
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768	4/9/2019 14:01:22	0.1	0.2
769	4/9/2019 14:01:52	0.1	0.2
770	4/9/2019 14:02:22	0.1	0.2
771	4/9/2019 14:02:52	0.1	0.2
772	4/9/2019 14:03:22	0.1	0.2
773	4/9/2019 14:03:52	0.1	0.2
774	4/9/2019 14:04:22	0.1	0.2
775	4/9/2019 14:04:52	0.1	0.2
776	4/9/2019 14:05:22	0.1	0.2
777	4/9/2019 14:05:52	0.1	0.2
778	4/9/2019 14:06:22	0.1	0.2
779	4/9/2019 14:06:52	0.1	0.2
780	4/9/2019 14:07:22	0.1	0.2
781	4/9/2019 14:07:52	0.1	0.2
782	4/9/2019 14:08:22	0.1	0.2
783	4/9/2019 14:08:52	0.1	0.2
784	4/9/2019 14:09:22	0.1	0.2
785	4/9/2019 14:09:52	0.1	0.2
786	4/9/2019 14:10:22	0.1	0.2
787	4/9/2019 14:10:52	0.1	0.2
788	4/9/2019 14:11:22	0.1	0.2
789	4/9/2019 14:11:52	0.1	0.2

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791	4/9/2019 14:12:52	0.1	0.2
792	4/9/2019 14:13:22	0.1	0.2
793	4/9/2019 14:13:52	0.1	0.2
794	4/9/2019 14:14:22	0.1	0.2
795	4/9/2019 14:14:52	0.1	0.2
796	4/9/2019 14:15:22	0.1	0.2
797	4/9/2019 14:15:52	0.1	0.2
798	4/9/2019 14:16:22	0.1	0.2
799	4/9/2019 14:16:52	0.1	0.2
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801	4/9/2019 14:17:52	0.1	0.2
802	4/9/2019 14:18:22	0.1	0.2
803	4/9/2019 14:18:52	0.1	0.2
804	4/9/2019 14:19:22	0.1	0.2
805	4/9/2019 14:19:52	0.1	0.2
806	4/9/2019 14:20:22	0.1	0.2
807	4/9/2019 14:20:52	0.1	0.2
808	4/9/2019 14:21:22	0.1	0.2
809	4/9/2019 14:21:52	0.1	0.2
810	4/9/2019 14:22:22	0.1	0.2
811	4/9/2019 14:22:52	0.1	0.2
812	4/9/2019 14:23:22	0.1	0.2
813	4/9/2019 14:23:52	0.1	0.2
814	4/9/2019 14:24:22	0.1	0.2
815	4/9/2019 14:24:52	0.1	0.2
816	4/9/2019 14:25:22	0.1	0.2
817	4/9/2019 14:25:52	0.1	0.2
818	4/9/2019 14:26:22	0.1	0.2
819	4/9/2019 14:26:52	0.1	0.2
820	4/9/2019 14:27:22	0.1	0.2
821	4/9/2019 14:27:52	0.1	0.2
822	4/9/2019 14:28:22	0.1	0.2
823	4/9/2019 14:28:52	0.1	0.2
824	4/9/2019 14:29:22	0.1	0.2
825	4/9/2019 14:29:52	0.1	0.2
826	4/9/2019 14:30:22	0.1	0.2
827	4/9/2019 14:30:52	0.1	0.2
828	4/9/2019 14:31:22	0.1	0.2
829	4/9/2019 14:31:52	0.1	0.2
830	4/9/2019 14:32:22	0.1	0.2
831	4/9/2019 14:32:52	0.1	0.2
832	4/9/2019 14:33:22	0.1	0.2
833	4/9/2019 14:33:52	0.1	0.2
834	4/9/2019 14:34:22	0.1	0.2
835	4/9/2019 14:34:52	0.1	0.2
836	4/9/2019 14:35:22	0.1	0.2
837	4/9/2019 14:35:52	0.1	0.2
838	4/9/2019 14:36:22	0.1	0.2
839	4/9/2019 14:36:52	0.1	0.2

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841	4/9/2019 14:37:52	0.1	0.2
842	4/9/2019 14:38:22	0.1	0.2
843	4/9/2019 14:38:52	0.1	0.2
844	4/9/2019 14:39:22	0.1	0.2
845	4/9/2019 14:39:52	0.1	0.2
846	4/9/2019 14:40:22	0.1	0.2
847	4/9/2019 14:40:52	0.1	0.2
848	4/9/2019 14:41:22	0.1	0.2
849	4/9/2019 14:41:52	0.1	0.2
850	4/9/2019 14:42:22	0.1	0.2
851	4/9/2019 14:42:52	0.1	0.2
852	4/9/2019 14:43:22	0.1	0.2
853	4/9/2019 14:43:52	0.1	0.2
854	4/9/2019 14:44:22	0.1	0.2
855	4/9/2019 14:44:52	0.1	0.2
856	4/9/2019 14:45:22	0.1	0.2
857	4/9/2019 14:45:52	0.1	0.2
858	4/9/2019 14:46:22	0.1	0.2
859	4/9/2019 14:46:52	0.1	0.2
860	4/9/2019 14:47:22	0.1	0.2
861	4/9/2019 14:47:52	0.1	0.2
862	4/9/2019 14:48:22	0.1	0.2
863	4/9/2019 14:48:52	0.1	0.2
864	4/9/2019 14:49:22	0.1	0.2
865	4/9/2019 14:49:52	0.1	0.2
866	4/9/2019 14:50:22	0.1	0.2
867	4/9/2019 14:50:52	0.1	0.2
868	4/9/2019 14:51:22	0.1	0.2
869	4/9/2019 14:51:52	0.1	0.2
870	4/9/2019 14:52:22	0.1	0.2
871	4/9/2019 14:52:52	0.1	0.2
872	4/9/2019 14:53:22	0.1	0.2
873	4/9/2019 14:53:52	0.1	0.2
874	4/9/2019 14:54:22	0.1	0.2
875	4/9/2019 14:54:52	0.1	0.2
876	4/9/2019 14:55:22	0.1	0.2
877	4/9/2019 14:55:52	0.1	0.2
878	4/9/2019 14:56:22	0.1	0.2
879	4/9/2019 14:56:52	0.1	0.2
880	4/9/2019 14:57:22	0.1	0.2
881	4/9/2019 14:57:52	0.1	0.2
882	4/9/2019 14:58:22	0.1	0.2
883	4/9/2019 14:58:52	0.1	0.2
884	4/9/2019 14:59:22	0.1	0.2
885	4/9/2019 14:59:52	0.1	0.2
886	4/9/2019 15:00:22	0.1	0.2
887	4/9/2019 15:00:52	0.1	0.2
888	4/9/2019 15:01:22	0.1	0.2
889	4/9/2019 15:01:52	0.1	0.2

890 4/9/2019 15:02:22 0.1 0.2
891 4/9/2019 15:02:52 0.1 0.2
892 4/9/2019 15:03:22 0.1 0.2
893 4/9/2019 15:03:52 0.1 0.2
894 4/9/2019 15:04:22 0.1 0.2
895 4/9/2019 15:04:52 0.1 0.2
896 4/9/2019 15:05:22 0.1 0.2
897 4/9/2019 15:05:52 0.1 0.2
898 4/9/2019 15:06:22 0.1 0.2
899 4/9/2019 15:06:52 0.1 0.2
900 4/9/2019 15:07:22 0.1 0.2
901 4/9/2019 15:07:52 0.1 0.2
902 4/9/2019 15:08:22 0.1 0.2
903 4/9/2019 15:08:52 0.1 0.2
甎==========
19/04/10 07:34
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/10/2019 07:34:46
End 4/10/2019 07:35:27
Sample Period(s) 30
Number of Records 1

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/9/2019 07:32
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	4/10/2019 07:35:16	0.0	0.0	0.0	0.0	
Peak		0.0	0.0	0.0		
Min		0.0	0.0	0.0		
Average		0.0	0.0	0.0		

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/10/2019 07:35:16	0.0	---

甑==========
19/04/10 08:42
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908425
Unit Firmware Ver	V2.16
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	PES00000
User ID	PES00000
Begin	4/10/2019 08:42:19
End	4/10/2019 14:47:33
Sample Period(s)	30
Number of Records	730
Sensor	PID(ppm)
Sensor SN	S0?3030298V9
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	100.0
TWA Alarm	50.0
Measurement Gas	Isobutylene
Calibration Time	4/9/2019 07:32

Peak 3.2
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/10/2019	08:42:49	0.0	0.0	0.1	0.1
002	4/10/2019	08:43:19	0.0	0.0	0.0	0.0
003	4/10/2019	08:43:49	0.0	0.0	0.0	0.0
004	4/10/2019	08:44:19	0.0	0.0	0.0	0.0
005	4/10/2019	08:44:49	0.0	0.0	0.0	0.0
006	4/10/2019	08:45:19	0.0	0.0	0.0	0.0
007	4/10/2019	08:45:49	0.0	0.0	0.0	0.0
008	4/10/2019	08:46:19	0.0	0.0	0.0	0.0
009	4/10/2019	08:46:49	0.0	0.0	0.0	0.0
010	4/10/2019	08:47:19	0.0	0.0	0.0	0.0
011	4/10/2019	08:47:49	0.0	0.0	0.1	0.0
012	4/10/2019	08:48:19	0.0	0.0	0.0	0.0
013	4/10/2019	08:48:49	0.0	0.0	0.0	0.0
014	4/10/2019	08:49:19	0.0	0.0	0.0	0.0
015	4/10/2019	08:49:49	0.0	0.0	0.0	0.0
016	4/10/2019	08:50:19	0.0	0.0	0.0	0.0
017	4/10/2019	08:50:49	0.0	0.0	0.0	0.0
018	4/10/2019	08:51:19	0.0	0.0	0.0	0.0
019	4/10/2019	08:51:49	0.0	0.0	0.0	0.0
020	4/10/2019	08:52:19	0.0	0.0	0.0	0.0
021	4/10/2019	08:52:49	0.0	0.0	0.0	0.0
022	4/10/2019	08:53:19	0.0	0.0	0.0	0.0
023	4/10/2019	08:53:49	0.0	0.0	0.0	0.0
024	4/10/2019	08:54:19	0.0	0.0	0.0	0.0
025	4/10/2019	08:54:49	0.0	0.0	0.0	0.0
026	4/10/2019	08:55:19	0.0	0.0	0.0	0.0
027	4/10/2019	08:55:49	0.0	0.0	0.0	0.0
028	4/10/2019	08:56:19	0.0	0.0	0.0	0.0
029	4/10/2019	08:56:49	0.0	0.0	0.0	0.0
030	4/10/2019	08:57:19	0.0	0.0	0.0	0.0
031	4/10/2019	08:57:49	0.0	0.0	0.0	0.0
032	4/10/2019	08:58:19	0.0	0.0	0.0	0.0
033	4/10/2019	08:58:49	0.0	0.0	0.0	0.0
034	4/10/2019	08:59:19	0.0	0.0	0.0	0.0
035	4/10/2019	08:59:49	0.0	0.0	0.0	0.0
036	4/10/2019	09:00:19	0.0	0.0	0.0	0.0
037	4/10/2019	09:00:49	0.0	0.0	0.0	0.0
038	4/10/2019	09:01:19	0.0	0.0	0.0	0.0
039	4/10/2019	09:01:49	0.0	0.0	0.0	0.0
040	4/10/2019	09:02:19	0.0	0.0	0.0	0.0
041	4/10/2019	09:02:49	0.0	0.0	0.0	0.0
042	4/10/2019	09:03:19	0.0	0.0	0.0	0.0

043	4/10/2019	09:03:49	0.0	0.0	0.0	0.0
044	4/10/2019	09:04:19	0.0	0.0	0.0	0.0
045	4/10/2019	09:04:49	0.0	0.0	0.0	0.0
046	4/10/2019	09:05:19	0.0	0.0	0.0	0.0
047	4/10/2019	09:05:49	0.0	0.0	0.0	0.0
048	4/10/2019	09:06:19	0.0	0.0	0.0	0.0
049	4/10/2019	09:06:49	0.0	0.0	0.0	0.0
050	4/10/2019	09:07:19	0.0	0.0	0.0	0.0
051	4/10/2019	09:07:49	0.0	0.0	0.0	0.0
052	4/10/2019	09:08:19	0.0	0.0	0.0	0.0
053	4/10/2019	09:08:49	0.0	0.0	0.0	0.0
054	4/10/2019	09:09:19	0.0	0.0	0.0	0.0
055	4/10/2019	09:09:49	0.0	0.0	0.0	0.0
056	4/10/2019	09:10:19	0.0	0.0	0.0	0.0
057	4/10/2019	09:10:49	0.0	0.0	0.0	0.0
058	4/10/2019	09:11:19	0.0	0.0	0.0	0.0
059	4/10/2019	09:11:49	0.0	0.0	0.0	0.0
060	4/10/2019	09:12:19	0.0	0.0	0.0	0.0
061	4/10/2019	09:12:49	0.0	0.0	0.0	0.0
062	4/10/2019	09:13:19	0.0	0.0	0.0	0.0
063	4/10/2019	09:13:49	0.0	0.0	0.0	0.0
064	4/10/2019	09:14:19	0.0	0.0	0.0	0.0
065	4/10/2019	09:14:49	0.0	0.0	0.0	0.0
066	4/10/2019	09:15:19	0.0	0.0	0.0	0.0
067	4/10/2019	09:15:49	0.0	0.0	0.0	0.0
068	4/10/2019	09:16:19	0.0	0.0	0.0	0.0
069	4/10/2019	09:16:49	0.0	0.0	0.0	0.0
070	4/10/2019	09:17:19	0.0	0.0	0.0	0.0
071	4/10/2019	09:17:49	0.0	0.0	0.0	0.0
072	4/10/2019	09:18:19	0.0	0.0	0.1	0.1
073	4/10/2019	09:18:49	0.0	0.1	0.1	0.0
074	4/10/2019	09:19:19	0.0	0.0	0.0	0.0
075	4/10/2019	09:19:49	0.0	0.0	0.0	0.0
076	4/10/2019	09:20:19	0.0	0.0	0.0	0.0
077	4/10/2019	09:20:49	0.0	0.0	0.0	0.0
078	4/10/2019	09:21:19	0.0	0.0	0.0	0.0
079	4/10/2019	09:21:49	0.0	0.0	0.0	0.0
080	4/10/2019	09:22:19	0.0	0.0	0.0	0.0
081	4/10/2019	09:22:49	0.0	0.0	0.0	0.0
082	4/10/2019	09:23:19	0.0	0.0	0.0	0.0
083	4/10/2019	09:23:49	0.0	0.0	0.0	0.0
084	4/10/2019	09:24:19	0.0	0.0	0.0	0.0
085	4/10/2019	09:24:49	0.0	0.0	0.0	0.0
086	4/10/2019	09:25:19	0.0	0.0	0.0	0.0
087	4/10/2019	09:25:49	0.0	0.0	0.0	0.0
088	4/10/2019	09:26:19	0.0	0.0	0.0	0.0
089	4/10/2019	09:26:49	0.0	0.0	0.0	0.0
090	4/10/2019	09:27:19	0.0	0.0	0.0	0.0
091	4/10/2019	09:27:49	0.0	0.0	0.0	0.0
092	4/10/2019	09:28:19	0.0	0.0	0.0	0.0

093	4/10/2019	09:28:49	0.0	0.0	0.0	0.0
094	4/10/2019	09:29:19	0.0	0.0	0.0	0.0
095	4/10/2019	09:29:49	0.0	0.0	0.0	0.0
096	4/10/2019	09:30:19	0.0	0.0	0.0	0.0
097	4/10/2019	09:30:49	0.0	0.0	0.0	0.0
098	4/10/2019	09:31:19	0.0	0.0	0.0	0.0
099	4/10/2019	09:31:49	0.0	0.0	0.0	0.0
100	4/10/2019	09:32:19	0.0	0.0	0.0	0.0
101	4/10/2019	09:32:49	0.0	0.0	0.0	0.0
102	4/10/2019	09:33:19	0.0	0.0	0.0	0.0
103	4/10/2019	09:33:49	0.0	0.0	0.1	0.0
104	4/10/2019	09:34:19	0.0	0.0	0.0	0.0
105	4/10/2019	09:34:49	0.0	0.0	0.0	0.0
106	4/10/2019	09:35:19	0.0	0.0	0.0	0.0
107	4/10/2019	09:35:49	0.0	0.0	0.0	0.0
108	4/10/2019	09:36:19	0.0	0.0	0.0	0.0
109	4/10/2019	09:36:49	0.0	0.0	0.0	0.0
110	4/10/2019	09:37:19	0.0	0.0	0.0	0.0
111	4/10/2019	09:37:49	0.0	0.0	0.1	0.0
112	4/10/2019	09:38:19	0.0	0.0	0.0	0.0
113	4/10/2019	09:38:49	0.0	0.0	0.0	0.0
114	4/10/2019	09:39:19	0.0	0.0	0.1	0.0
115	4/10/2019	09:39:49	0.0	0.0	0.0	0.0
116	4/10/2019	09:40:19	0.0	0.0	0.0	0.0
117	4/10/2019	09:40:49	0.0	0.0	0.0	0.0
118	4/10/2019	09:41:19	0.0	0.0	0.0	0.0
119	4/10/2019	09:41:49	0.0	0.0	0.0	0.0
120	4/10/2019	09:42:19	0.0	0.0	0.0	0.0
121	4/10/2019	09:42:49	0.0	0.0	0.0	0.0
122	4/10/2019	09:43:19	0.0	0.0	0.0	0.0
123	4/10/2019	09:43:49	0.0	0.0	0.0	0.0
124	4/10/2019	09:44:19	0.0	0.0	0.0	0.0
125	4/10/2019	09:44:49	0.0	0.0	0.0	0.0
126	4/10/2019	09:45:19	0.0	0.0	0.0	0.0
127	4/10/2019	09:45:49	0.0	0.0	0.0	0.0
128	4/10/2019	09:46:19	0.0	0.0	0.0	0.0
129	4/10/2019	09:46:49	0.0	0.0	0.0	0.0
130	4/10/2019	09:47:19	0.0	0.0	0.0	0.0
131	4/10/2019	09:47:49	0.0	0.0	0.0	0.0
132	4/10/2019	09:48:19	0.0	0.0	0.0	0.0
133	4/10/2019	09:48:49	0.0	0.0	0.0	0.0
134	4/10/2019	09:49:19	0.0	0.0	0.0	0.0
135	4/10/2019	09:49:49	0.0	0.0	0.0	0.0
136	4/10/2019	09:50:19	0.0	0.0	0.0	0.0
137	4/10/2019	09:50:49	0.0	0.0	0.0	0.0
138	4/10/2019	09:51:19	0.0	0.0	0.0	0.0
139	4/10/2019	09:51:49	0.0	0.0	0.0	0.0
140	4/10/2019	09:52:19	0.0	0.0	0.0	0.0
141	4/10/2019	09:52:49	0.0	0.0	0.0	0.0
142	4/10/2019	09:53:19	0.0	0.0	0.0	0.0

143	4/10/2019	09:53:49	0.0	0.0	0.0	0.0
144	4/10/2019	09:54:19	0.0	0.0	0.0	0.0
145	4/10/2019	09:54:49	0.0	0.0	0.0	0.0
146	4/10/2019	09:55:19	0.0	0.0	0.0	0.0
147	4/10/2019	09:55:49	0.0	0.0	0.0	0.0
148	4/10/2019	09:56:19	0.0	0.0	0.0	0.0
149	4/10/2019	09:56:49	0.0	0.0	0.0	0.0
150	4/10/2019	09:57:19	0.0	0.0	0.0	0.0
151	4/10/2019	09:57:49	0.0	0.0	0.0	0.0
152	4/10/2019	09:58:19	0.0	0.0	0.0	0.0
153	4/10/2019	09:58:49	0.0	0.0	0.0	0.0
154	4/10/2019	09:59:19	0.0	0.0	0.0	0.0
155	4/10/2019	09:59:49	0.0	0.0	0.0	0.0
156	4/10/2019	10:00:19	0.0	0.0	0.0	0.0
157	4/10/2019	10:00:49	0.0	0.0	0.0	0.0
158	4/10/2019	10:01:19	0.0	0.0	0.0	0.0
159	4/10/2019	10:01:49	0.0	0.0	0.0	0.0
160	4/10/2019	10:02:19	0.0	0.0	0.0	0.0
161	4/10/2019	10:02:49	0.0	0.0	0.0	0.0
162	4/10/2019	10:03:19	0.0	0.0	0.0	0.0
163	4/10/2019	10:03:49	0.0	0.0	0.0	0.0
164	4/10/2019	10:04:19	0.0	0.0	0.0	0.0
165	4/10/2019	10:04:49	0.0	0.0	0.0	0.0
166	4/10/2019	10:05:19	0.0	0.0	0.0	0.0
167	4/10/2019	10:05:49	0.0	0.0	0.0	0.0
168	4/10/2019	10:06:19	0.0	0.0	0.0	0.0
169	4/10/2019	10:06:49	0.0	0.0	0.0	0.0
170	4/10/2019	10:07:19	0.0	0.1	0.1	0.1
171	4/10/2019	10:07:49	0.0	0.0	0.1	0.0
172	4/10/2019	10:08:19	0.0	0.0	0.0	0.0
173	4/10/2019	10:08:49	0.0	0.0	0.0	0.0
174	4/10/2019	10:09:19	0.0	0.0	0.0	0.0
175	4/10/2019	10:09:49	0.0	0.0	0.0	0.0
176	4/10/2019	10:10:19	0.0	0.0	0.0	0.0
177	4/10/2019	10:10:49	0.0	0.0	0.0	0.0
178	4/10/2019	10:11:19	0.0	0.1	0.2	0.1
179	4/10/2019	10:11:49	0.1	1.1	1.9	1.2
180	4/10/2019	10:12:19	0.4	1.4	3.3	3.2
181	4/10/2019	10:12:49	0.2	0.7	3.1	0.2
182	4/10/2019	10:13:19	0.1	0.7	3.5	0.2
183	4/10/2019	10:13:49	0.1	0.2	0.4	0.1
184	4/10/2019	10:14:19	0.1	0.1	0.1	0.1
185	4/10/2019	10:14:49	0.1	0.1	0.1	0.1
186	4/10/2019	10:15:19	0.1	0.1	0.2	0.1
187	4/10/2019	10:15:49	0.1	0.1	0.1	0.1
188	4/10/2019	10:16:19	0.1	0.1	0.1	0.1
189	4/10/2019	10:16:49	0.0	0.1	0.1	0.0
190	4/10/2019	10:17:19	0.0	0.0	0.1	0.0
191	4/10/2019	10:17:49	0.0	0.0	0.1	0.0
192	4/10/2019	10:18:19	0.0	0.0	0.1	0.0

193	4/10/2019	10:18:49	0.0	0.1	0.1	0.1
194	4/10/2019	10:19:19	0.0	0.1	0.1	0.0
195	4/10/2019	10:19:49	0.0	0.0	0.0	0.0
196	4/10/2019	10:20:19	0.0	0.0	0.1	0.1
197	4/10/2019	10:20:49	0.0	0.1	0.1	0.0
198	4/10/2019	10:21:19	0.0	0.0	0.0	0.0
199	4/10/2019	10:21:49	0.0	0.0	0.0	0.0
200	4/10/2019	10:22:19	0.0	0.1	0.1	0.1
201	4/10/2019	10:22:49	0.0	0.0	0.1	0.0
202	4/10/2019	10:23:19	0.0	0.0	0.0	0.0
203	4/10/2019	10:23:49	0.0	0.0	0.1	0.0
204	4/10/2019	10:24:19	0.0	0.1	0.1	0.1
205	4/10/2019	10:24:49	0.1	0.1	0.1	0.1
206	4/10/2019	10:25:19	0.1	0.1	0.1	0.1
207	4/10/2019	10:25:49	0.0	0.1	0.1	0.0
208	4/10/2019	10:26:19	0.0	0.1	0.1	0.1
209	4/10/2019	10:26:49	0.1	0.1	0.1	0.1
210	4/10/2019	10:27:19	0.0	0.0	0.1	0.0
211	4/10/2019	10:27:49	0.0	0.1	0.1	0.0
212	4/10/2019	10:28:19	0.0	0.1	0.1	0.1
213	4/10/2019	10:28:49	0.0	0.1	0.1	0.1
214	4/10/2019	10:29:19	0.0	0.1	0.1	0.0
215	4/10/2019	10:29:49	0.0	0.0	0.1	0.0
216	4/10/2019	10:30:19	0.0	0.1	0.1	0.1
217	4/10/2019	10:30:49	0.0	0.1	0.1	0.0
218	4/10/2019	10:31:19	0.0	0.0	0.1	0.1
219	4/10/2019	10:31:49	0.0	0.1	0.1	0.0
220	4/10/2019	10:32:19	0.0	0.0	0.0	0.0
221	4/10/2019	10:32:49	0.0	0.0	0.1	0.0
222	4/10/2019	10:33:19	0.0	0.0	0.1	0.0
223	4/10/2019	10:33:49	0.0	0.0	0.0	0.0
224	4/10/2019	10:34:19	0.0	0.0	0.0	0.0
225	4/10/2019	10:34:49	0.0	0.0	0.0	0.0
226	4/10/2019	10:35:19	0.0	0.0	0.0	0.0
227	4/10/2019	10:35:49	0.0	0.1	0.1	0.1
228	4/10/2019	10:36:19	0.1	0.1	0.1	0.1
229	4/10/2019	10:36:49	0.0	0.0	0.1	0.0
230	4/10/2019	10:37:19	0.0	0.0	0.1	0.0
231	4/10/2019	10:37:49	0.0	0.0	0.1	0.0
232	4/10/2019	10:38:19	0.0	0.0	0.0	0.0
233	4/10/2019	10:38:49	0.0	0.0	0.1	0.0
234	4/10/2019	10:39:19	0.0	0.0	0.0	0.0
235	4/10/2019	10:39:49	0.0	0.0	0.0	0.0
236	4/10/2019	10:40:19	0.0	0.0	0.0	0.0
237	4/10/2019	10:40:49	0.0	0.0	0.0	0.0
238	4/10/2019	10:41:19	0.0	0.0	0.0	0.0
239	4/10/2019	10:41:49	0.0	0.0	0.1	0.1
240	4/10/2019	10:42:19	0.0	0.0	0.1	0.0
241	4/10/2019	10:42:49	0.0	0.0	0.1	0.0
242	4/10/2019	10:43:19	0.0	0.0	0.0	0.0

243	4/10/2019	10:43:49	0.0	0.0	0.0	0.0
244	4/10/2019	10:44:19	0.0	0.0	0.0	0.0
245	4/10/2019	10:44:49	0.0	0.0	0.0	0.0
246	4/10/2019	10:45:19	0.0	0.0	0.0	0.0
247	4/10/2019	10:45:49	0.0	0.0	0.0	0.0
248	4/10/2019	10:46:19	0.0	0.0	0.0	0.0
249	4/10/2019	10:46:49	0.0	0.0	0.1	0.0
250	4/10/2019	10:47:19	0.0	0.0	0.1	0.0
251	4/10/2019	10:47:49	0.0	0.0	0.1	0.1
252	4/10/2019	10:48:19	0.1	0.2	0.4	0.2
253	4/10/2019	10:48:49	0.1	0.1	0.2	0.1
254	4/10/2019	10:49:19	0.1	0.1	0.1	0.1
255	4/10/2019	10:49:49	0.0	0.0	0.1	0.0
256	4/10/2019	10:50:19	0.0	0.0	0.0	0.0
257	4/10/2019	10:50:49	0.0	0.0	0.0	0.0
258	4/10/2019	10:51:19	0.0	0.0	0.0	0.0
259	4/10/2019	10:51:49	0.0	0.0	0.0	0.0
260	4/10/2019	10:52:19	0.0	0.0	0.0	0.0
261	4/10/2019	10:52:49	0.0	0.0	0.0	0.0
262	4/10/2019	10:53:19	0.0	0.0	0.0	0.0
263	4/10/2019	10:53:49	0.0	0.0	0.0	0.0
264	4/10/2019	10:54:19	0.0	0.0	0.0	0.0
265	4/10/2019	10:54:49	0.0	0.0	0.1	0.0
266	4/10/2019	10:55:19	0.0	0.0	0.1	0.1
267	4/10/2019	10:55:49	0.0	0.0	0.0	0.0
268	4/10/2019	10:56:19	0.0	0.0	0.1	0.0
269	4/10/2019	10:56:49	0.0	0.0	0.0	0.0
270	4/10/2019	10:57:19	0.0	0.0	0.0	0.0
271	4/10/2019	10:57:49	0.0	0.0	0.0	0.0
272	4/10/2019	10:58:19	0.0	0.0	0.0	0.0
273	4/10/2019	10:58:49	0.0	0.0	0.0	0.0
274	4/10/2019	10:59:19	0.0	0.0	0.0	0.0
275	4/10/2019	10:59:49	0.0	0.0	0.0	0.0
276	4/10/2019	11:00:19	0.0	0.0	0.0	0.0
277	4/10/2019	11:00:49	0.0	0.0	0.0	0.0
278	4/10/2019	11:01:19	0.0	0.0	0.0	0.0
279	4/10/2019	11:01:49	0.0	0.0	0.0	0.0
280	4/10/2019	11:02:19	0.0	0.0	0.0	0.0
281	4/10/2019	11:02:49	0.0	0.0	0.1	0.0
282	4/10/2019	11:03:19	0.0	0.0	0.0	0.0
283	4/10/2019	11:03:49	0.0	0.0	0.0	0.0
284	4/10/2019	11:04:19	0.0	0.0	0.1	0.0
285	4/10/2019	11:04:49	0.0	0.0	0.0	0.0
286	4/10/2019	11:05:19	0.0	0.0	0.0	0.0
287	4/10/2019	11:05:49	0.0	0.0	0.0	0.0
288	4/10/2019	11:06:19	0.0	0.0	0.0	0.0
289	4/10/2019	11:06:49	0.0	0.0	0.1	0.0
290	4/10/2019	11:07:19	0.0	0.0	0.1	0.0
291	4/10/2019	11:07:49	0.0	0.0	0.1	0.0
292	4/10/2019	11:08:19	0.0	0.0	0.1	0.0

293	4/10/2019	11:08:49	0.0	0.0	0.0	0.0
294	4/10/2019	11:09:19	0.0	0.0	0.1	0.1
295	4/10/2019	11:09:49	0.0	0.1	0.1	0.0
296	4/10/2019	11:10:19	0.0	0.0	0.1	0.0
297	4/10/2019	11:10:49	0.0	0.0	0.0	0.0
298	4/10/2019	11:11:19	0.0	0.0	0.0	0.0
299	4/10/2019	11:11:49	0.0	0.0	0.0	0.0
300	4/10/2019	11:12:19	0.0	0.0	0.0	0.0
301	4/10/2019	11:12:49	0.0	0.0	0.0	0.0
302	4/10/2019	11:13:19	0.0	0.0	0.0	0.0
303	4/10/2019	11:13:49	0.0	0.0	0.0	0.0
304	4/10/2019	11:14:19	0.0	0.0	0.0	0.0
305	4/10/2019	11:14:49	0.0	0.0	0.0	0.0
306	4/10/2019	11:15:19	0.0	0.0	0.0	0.0
307	4/10/2019	11:15:49	0.0	0.0	0.0	0.0
308	4/10/2019	11:16:19	0.0	0.0	0.1	0.1
309	4/10/2019	11:16:49	0.0	0.0	0.1	0.0
310	4/10/2019	11:17:19	0.0	0.0	0.0	0.0
311	4/10/2019	11:17:49	0.0	0.0	0.0	0.0
312	4/10/2019	11:18:19	0.0	0.0	0.1	0.0
313	4/10/2019	11:18:49	0.0	0.0	0.0	0.0
314	4/10/2019	11:19:19	0.0	0.0	0.0	0.0
315	4/10/2019	11:19:49	0.0	0.0	0.0	0.0
316	4/10/2019	11:20:19	0.0	0.0	0.0	0.0
317	4/10/2019	11:20:49	0.0	0.0	0.0	0.0
318	4/10/2019	11:21:19	0.0	0.0	0.0	0.0
319	4/10/2019	11:21:49	0.0	0.0	0.0	0.0
320	4/10/2019	11:22:19	0.0	0.0	0.0	0.0
321	4/10/2019	11:22:49	0.0	0.0	0.0	0.0
322	4/10/2019	11:23:19	0.0	0.0	0.1	0.0
323	4/10/2019	11:23:49	0.0	0.0	0.0	0.0
324	4/10/2019	11:24:19	0.0	0.0	0.0	0.0
325	4/10/2019	11:24:49	0.0	0.0	0.0	0.0
326	4/10/2019	11:25:19	0.0	0.0	0.0	0.0
327	4/10/2019	11:25:49	0.0	0.0	0.0	0.0
328	4/10/2019	11:26:19	0.0	0.0	0.0	0.0
329	4/10/2019	11:26:49	0.0	0.0	0.0	0.0
330	4/10/2019	11:27:19	0.0	0.0	0.0	0.0
331	4/10/2019	11:27:49	0.0	0.0	0.0	0.0
332	4/10/2019	11:28:19	0.0	0.0	0.0	0.0
333	4/10/2019	11:28:49	0.0	0.0	0.0	0.0
334	4/10/2019	11:29:19	0.0	0.0	0.0	0.0
335	4/10/2019	11:29:49	0.0	0.0	0.0	0.0
336	4/10/2019	11:30:19	0.0	0.0	0.0	0.0
337	4/10/2019	11:30:49	0.0	0.0	0.1	0.1
338	4/10/2019	11:31:19	0.0	0.0	0.0	0.0
339	4/10/2019	11:31:49	0.0	0.0	0.0	0.0
340	4/10/2019	11:32:19	0.0	0.0	0.0	0.0
341	4/10/2019	11:32:49	0.0	0.0	0.0	0.0
342	4/10/2019	11:33:19	0.0	0.0	0.0	0.0

343	4/10/2019	11:33:49	0.0	0.0	0.0	0.0
344	4/10/2019	11:34:19	0.0	0.0	0.0	0.0
345	4/10/2019	11:34:49	0.0	0.0	0.0	0.0
346	4/10/2019	11:35:19	0.0	0.0	0.0	0.0
347	4/10/2019	11:35:49	0.0	0.0	0.0	0.0
348	4/10/2019	11:36:19	0.0	0.0	0.0	0.0
349	4/10/2019	11:36:49	0.0	0.0	0.0	0.0
350	4/10/2019	11:37:19	0.0	0.0	0.0	0.0
351	4/10/2019	11:37:49	0.0	0.0	0.0	0.0
352	4/10/2019	11:38:19	0.0	0.0	0.0	0.0
353	4/10/2019	11:38:49	0.0	0.0	0.0	0.0
354	4/10/2019	11:39:19	0.0	0.0	0.0	0.0
355	4/10/2019	11:39:49	0.0	0.0	0.0	0.0
356	4/10/2019	11:40:19	0.0	0.0	0.0	0.0
357	4/10/2019	11:40:49	0.0	0.0	0.1	0.0
358	4/10/2019	11:41:19	0.0	0.0	0.0	0.0
359	4/10/2019	11:41:49	0.0	0.0	0.0	0.0
360	4/10/2019	11:42:19	0.0	0.0	0.0	0.0
361	4/10/2019	11:42:49	0.0	0.0	0.0	0.0
362	4/10/2019	11:43:19	0.0	0.0	0.0	0.0
363	4/10/2019	11:43:49	0.0	0.0	0.0	0.0
364	4/10/2019	11:44:19	0.0	0.0	0.0	0.0
365	4/10/2019	11:44:49	0.0	0.0	0.0	0.0
366	4/10/2019	11:45:19	0.0	0.0	0.0	0.0
367	4/10/2019	11:45:49	0.0	0.0	0.0	0.0
368	4/10/2019	11:46:19	0.0	0.0	0.1	0.0
369	4/10/2019	11:46:49	0.0	0.0	0.0	0.0
370	4/10/2019	11:47:19	0.0	0.1	0.1	0.1
371	4/10/2019	11:47:49	0.0	0.0	0.1	0.0
372	4/10/2019	11:48:19	0.0	0.0	0.0	0.0
373	4/10/2019	11:48:49	0.0	0.0	0.0	0.0
374	4/10/2019	11:49:19	0.0	0.0	0.0	0.0
375	4/10/2019	11:49:49	0.0	0.0	0.0	0.0
376	4/10/2019	11:50:19	0.0	0.0	0.0	0.0
377	4/10/2019	11:50:49	0.0	0.0	0.0	0.0
378	4/10/2019	11:51:19	0.0	0.0	0.0	0.0
379	4/10/2019	11:51:49	0.0	0.0	0.0	0.0
380	4/10/2019	11:52:19	0.0	0.0	0.0	0.0
381	4/10/2019	11:52:49	0.0	0.0	0.0	0.0
382	4/10/2019	11:53:19	0.0	0.0	0.1	0.0
383	4/10/2019	11:53:49	0.0	0.0	0.0	0.0
384	4/10/2019	11:54:19	0.0	0.0	0.0	0.0
385	4/10/2019	11:54:49	0.0	0.0	0.0	0.0
386	4/10/2019	11:55:19	0.0	0.0	0.0	0.0
387	4/10/2019	11:55:49	0.0	0.0	0.0	0.0
388	4/10/2019	11:56:19	0.0	0.0	0.0	0.0
389	4/10/2019	11:56:49	0.0	0.0	0.0	0.0
390	4/10/2019	11:57:19	0.0	0.0	0.0	0.0
391	4/10/2019	11:57:49	0.0	0.0	0.0	0.0
392	4/10/2019	11:58:19	0.0	0.0	0.0	0.0

393	4/10/2019	11:58:49	0.0	0.0	0.0	0.0
394	4/10/2019	11:59:19	0.0	0.0	0.0	0.0
395	4/10/2019	11:59:49	0.0	0.0	0.0	0.0
396	4/10/2019	12:00:19	0.0	0.0	0.0	0.0
397	4/10/2019	12:00:49	0.0	0.0	0.0	0.0
398	4/10/2019	12:01:19	0.0	0.0	0.1	0.0
399	4/10/2019	12:01:49	0.0	0.0	0.0	0.0
400	4/10/2019	12:02:19	0.0	0.0	0.0	0.0
401	4/10/2019	12:02:49	0.0	0.0	0.0	0.0
402	4/10/2019	12:03:19	0.0	0.0	0.0	0.0
403	4/10/2019	12:03:49	0.0	0.0	0.0	0.0
404	4/10/2019	12:04:19	0.0	0.0	0.0	0.0
405	4/10/2019	12:04:49	0.0	0.0	0.0	0.0
406	4/10/2019	12:05:19	0.0	0.0	0.0	0.0
407	4/10/2019	12:05:49	0.0	0.0	0.0	0.0
408	4/10/2019	12:06:19	0.0	0.0	0.0	0.0
409	4/10/2019	12:06:49	0.0	0.0	0.0	0.0
410	4/10/2019	12:07:19	0.0	0.0	0.0	0.0
411	4/10/2019	12:07:49	0.0	0.0	0.0	0.0
412	4/10/2019	12:08:19	0.0	0.0	0.0	0.0
413	4/10/2019	12:08:49	0.0	0.0	0.0	0.0
414	4/10/2019	12:09:19	0.0	0.0	0.0	0.0
415	4/10/2019	12:09:49	0.0	0.0	0.0	0.0
416	4/10/2019	12:10:19	0.0	0.0	0.1	0.0
417	4/10/2019	12:10:49	0.0	0.1	0.1	0.1
418	4/10/2019	12:11:19	0.0	0.0	0.1	0.0
419	4/10/2019	12:11:49	0.0	0.0	0.0	0.0
420	4/10/2019	12:12:19	0.0	0.0	0.1	0.1
421	4/10/2019	12:12:49	0.0	0.0	0.1	0.0
422	4/10/2019	12:13:19	0.0	0.0	0.0	0.0
423	4/10/2019	12:13:49	0.0	0.0	0.0	0.0
424	4/10/2019	12:14:19	0.0	0.0	0.0	0.0
425	4/10/2019	12:14:49	0.0	0.0	0.0	0.0
426	4/10/2019	12:15:19	0.0	0.0	0.0	0.0
427	4/10/2019	12:15:49	0.0	0.0	0.0	0.0
428	4/10/2019	12:16:19	0.0	0.0	0.0	0.0
429	4/10/2019	12:16:49	0.0	0.0	0.0	0.0
430	4/10/2019	12:17:19	0.0	0.0	0.0	0.0
431	4/10/2019	12:17:49	0.0	0.0	0.0	0.0
432	4/10/2019	12:18:19	0.0	0.0	0.0	0.0
433	4/10/2019	12:18:49	0.0	0.0	0.1	0.1
434	4/10/2019	12:19:19	0.0	0.0	0.1	0.0
435	4/10/2019	12:19:49	0.0	0.0	0.0	0.0
436	4/10/2019	12:20:19	0.0	0.0	0.0	0.0
437	4/10/2019	12:20:49	0.0	0.0	0.1	0.1
438	4/10/2019	12:21:19	0.0	0.0	0.1	0.0
439	4/10/2019	12:21:49	0.0	0.0	0.0	0.0
440	4/10/2019	12:22:19	0.0	0.0	0.0	0.0
441	4/10/2019	12:22:49	0.0	0.0	0.0	0.0
442	4/10/2019	12:23:19	0.0	0.0	0.0	0.0

443	4/10/2019 12:23:49	0.0	0.0	0.0	0.0
444	4/10/2019 12:24:19	0.0	0.0	0.0	0.0
445	4/10/2019 12:24:49	0.0	0.0	0.0	0.0
446	4/10/2019 12:25:19	0.0	0.0	0.0	0.0
447	4/10/2019 12:25:49	0.0	0.0	0.0	0.0
448	4/10/2019 12:26:19	0.0	0.0	0.0	0.0
449	4/10/2019 12:26:49	0.0	0.0	0.0	0.0
450	4/10/2019 12:27:19	0.0	0.0	0.0	0.0
451	4/10/2019 12:27:49	0.0	0.0	0.0	0.0
452	4/10/2019 12:28:19	0.0	0.0	0.0	0.0
453	4/10/2019 12:28:49	0.0	0.0	0.0	0.0
454	4/10/2019 12:29:19	0.0	0.0	0.0	0.0
455	4/10/2019 12:29:49	0.0	0.0	0.0	0.0
456	4/10/2019 12:30:19	0.0	0.0	0.0	0.0
457	4/10/2019 12:30:49	0.0	0.0	0.0	0.0
458	4/10/2019 12:31:19	0.0	0.0	0.0	0.0
459	4/10/2019 12:31:49	0.0	0.0	0.0	0.0
460	4/10/2019 12:32:19	0.0	0.0	0.0	0.0
461	4/10/2019 12:32:49	0.0	0.0	0.0	0.0
462	4/10/2019 12:33:19	0.0	0.0	0.0	0.0
463	4/10/2019 12:33:49	0.0	0.0	0.0	0.0
464	4/10/2019 12:34:19	0.0	0.0	0.0	0.0
465	4/10/2019 12:34:49	0.0	0.0	0.0	0.0
466	4/10/2019 12:35:19	0.0	0.0	0.0	0.0
467	4/10/2019 12:35:49	0.0	0.0	0.0	0.0
468	4/10/2019 12:36:19	0.0	0.0	0.0	0.0
469	4/10/2019 12:36:49	0.0	0.0	0.0	0.0
470	4/10/2019 12:37:19	0.0	0.0	0.0	0.0
471	4/10/2019 12:37:49	0.0	0.0	0.0	0.0
472	4/10/2019 12:38:19	0.0	0.0	0.0	0.0
473	4/10/2019 12:38:49	0.0	0.0	0.0	0.0
474	4/10/2019 12:39:19	0.0	0.0	0.0	0.0
475	4/10/2019 12:39:49	0.0	0.0	0.0	0.0
476	4/10/2019 12:40:19	0.0	0.0	0.0	0.0
477	4/10/2019 12:40:49	0.0	0.0	0.0	0.0
478	4/10/2019 12:41:19	0.0	0.0	0.0	0.0
479	4/10/2019 12:41:49	0.0	0.0	0.0	0.0
480	4/10/2019 12:42:19	0.0	0.0	0.0	0.0
481	4/10/2019 12:42:49	0.0	0.0	0.0	0.0
482	4/10/2019 12:43:19	0.0	0.0	0.0	0.0
483	4/10/2019 12:43:49	0.0	0.0	0.0	0.0
484	4/10/2019 12:44:19	0.0	0.0	0.0	0.0
485	4/10/2019 12:44:49	0.0	0.0	0.0	0.0
486	4/10/2019 12:45:19	0.0	0.0	0.0	0.0
487	4/10/2019 12:45:49	0.0	0.0	0.0	0.0
488	4/10/2019 12:46:19	0.0	0.0	0.0	0.0
489	4/10/2019 12:46:49	0.0	0.0	0.0	0.0
490	4/10/2019 12:47:19	0.0	0.0	0.0	0.0
491	4/10/2019 12:47:49	0.0	0.0	0.0	0.0
492	4/10/2019 12:48:19	0.0	0.0	0.0	0.0

493	4/10/2019	12:48:49	0.0	0.0	0.0	0.0
494	4/10/2019	12:49:19	0.0	0.0	0.0	0.0
495	4/10/2019	12:49:49	0.0	0.0	0.0	0.0
496	4/10/2019	12:50:19	0.0	0.0	0.0	0.0
497	4/10/2019	12:50:49	0.0	0.0	0.0	0.0
498	4/10/2019	12:51:19	0.0	0.0	0.0	0.0
499	4/10/2019	12:51:49	0.0	0.0	0.0	0.0
500	4/10/2019	12:52:19	0.0	0.0	0.0	0.0
501	4/10/2019	12:52:49	0.0	0.0	0.0	0.0
502	4/10/2019	12:53:19	0.0	0.0	0.0	0.0
503	4/10/2019	12:53:49	0.0	0.0	0.0	0.0
504	4/10/2019	12:54:19	0.0	0.0	0.0	0.0
505	4/10/2019	12:54:49	0.0	0.0	0.0	0.0
506	4/10/2019	12:55:19	0.0	0.0	0.0	0.0
507	4/10/2019	12:55:49	0.0	0.0	0.0	0.0
508	4/10/2019	12:56:19	0.0	0.0	0.0	0.0
509	4/10/2019	12:56:49	0.0	0.0	0.0	0.0
510	4/10/2019	12:57:19	0.0	0.0	0.0	0.0
511	4/10/2019	12:57:49	0.0	0.0	0.0	0.0
512	4/10/2019	12:58:19	0.0	0.0	0.0	0.0
513	4/10/2019	12:58:49	0.0	0.0	0.0	0.0
514	4/10/2019	12:59:19	0.0	0.0	0.0	0.0
515	4/10/2019	12:59:49	0.0	0.0	0.0	0.0
516	4/10/2019	13:00:19	0.0	0.0	0.0	0.0
517	4/10/2019	13:00:49	0.0	0.0	0.0	0.0
518	4/10/2019	13:01:19	0.0	0.0	0.0	0.0
519	4/10/2019	13:01:49	0.0	0.0	0.0	0.0
520	4/10/2019	13:02:19	0.0	0.0	0.0	0.0
521	4/10/2019	13:02:49	0.0	0.0	0.0	0.0
522	4/10/2019	13:03:19	0.0	0.0	0.0	0.0
523	4/10/2019	13:03:49	0.0	0.0	0.0	0.0
524	4/10/2019	13:04:19	0.0	0.0	0.0	0.0
525	4/10/2019	13:04:49	0.0	0.0	0.0	0.0
526	4/10/2019	13:05:19	0.0	0.0	0.0	0.0
527	4/10/2019	13:05:49	0.0	0.0	0.1	0.0
528	4/10/2019	13:06:19	0.0	0.0	0.1	0.1
529	4/10/2019	13:06:49	0.0	0.0	0.1	0.0
530	4/10/2019	13:07:19	0.0	0.0	0.0	0.0
531	4/10/2019	13:07:49	0.0	0.0	0.1	0.0
532	4/10/2019	13:08:19	0.0	0.0	0.0	0.0
533	4/10/2019	13:08:49	0.0	0.0	0.1	0.0
534	4/10/2019	13:09:19	0.0	0.0	0.0	0.0
535	4/10/2019	13:09:49	0.0	0.0	0.0	0.0
536	4/10/2019	13:10:19	0.0	0.0	0.1	0.0
537	4/10/2019	13:10:49	0.0	0.0	0.1	0.1
538	4/10/2019	13:11:19	0.0	0.0	0.1	0.0
539	4/10/2019	13:11:49	0.0	0.0	0.1	0.1
540	4/10/2019	13:12:19	0.0	0.0	0.1	0.0
541	4/10/2019	13:12:49	0.0	0.0	0.1	0.0
542	4/10/2019	13:13:19	0.0	0.0	0.1	0.0

543	4/10/2019 13:13:49	0.0	0.0	0.0	0.0
544	4/10/2019 13:14:19	0.0	0.0	0.0	0.0
545	4/10/2019 13:14:49	0.0	0.0	0.0	0.0
546	4/10/2019 13:15:19	0.0	0.0	0.1	0.0
547	4/10/2019 13:15:49	0.0	0.0	0.1	0.0
548	4/10/2019 13:16:19	0.0	0.0	0.0	0.0
549	4/10/2019 13:16:49	0.0	0.0	0.1	0.0
550	4/10/2019 13:17:19	0.0	0.0	0.0	0.0
551	4/10/2019 13:17:49	0.0	0.0	0.1	0.0
552	4/10/2019 13:18:19	0.0	0.0	0.0	0.0
553	4/10/2019 13:18:49	0.0	0.0	0.0	0.0
554	4/10/2019 13:19:19	0.0	0.0	0.0	0.0
555	4/10/2019 13:19:49	0.0	0.0	0.1	0.0
556	4/10/2019 13:20:19	0.0	0.1	0.1	0.0
557	4/10/2019 13:20:49	0.0	0.0	0.1	0.0
558	4/10/2019 13:21:19	0.0	0.0	0.0	0.0
559	4/10/2019 13:21:49	0.0	0.0	0.1	0.1
560	4/10/2019 13:22:19	0.0	0.0	0.0	0.0
561	4/10/2019 13:22:49	0.0	0.0	0.1	0.0
562	4/10/2019 13:23:19	0.0	0.0	0.1	0.1
563	4/10/2019 13:23:49	0.0	0.0	0.1	0.1
564	4/10/2019 13:24:19	0.0	0.0	0.1	0.0
565	4/10/2019 13:24:49	0.0	0.0	0.1	0.0
566	4/10/2019 13:25:19	0.0	0.0	0.1	0.0
567	4/10/2019 13:25:49	0.0	0.0	0.1	0.1
568	4/10/2019 13:26:19	0.0	0.1	0.1	0.0
569	4/10/2019 13:26:49	0.0	0.0	0.0	0.0
570	4/10/2019 13:27:19	0.0	0.0	0.1	0.0
571	4/10/2019 13:27:49	0.0	0.0	0.1	0.1
572	4/10/2019 13:28:19	0.0	0.0	0.1	0.0
573	4/10/2019 13:28:49	0.0	0.0	0.1	0.1
574	4/10/2019 13:29:19	0.1	0.1	0.1	0.1
575	4/10/2019 13:29:49	0.1	0.1	0.1	0.1
576	4/10/2019 13:30:19	0.1	0.1	0.1	0.1
577	4/10/2019 13:30:49	0.0	0.1	0.1	0.0
578	4/10/2019 13:31:19	0.1	0.1	0.1	0.1
579	4/10/2019 13:31:49	0.1	0.1	0.1	0.1
580	4/10/2019 13:32:19	0.1	0.1	0.1	0.1
581	4/10/2019 13:32:49	0.1	0.1	0.1	0.1
582	4/10/2019 13:33:19	0.1	0.1	0.1	0.1
583	4/10/2019 13:33:49	0.1	0.1	0.1	0.1
584	4/10/2019 13:34:19	0.1	0.1	0.1	0.1
585	4/10/2019 13:34:49	0.1	0.1	0.1	0.1
586	4/10/2019 13:35:19	0.1	0.1	0.1	0.1
587	4/10/2019 13:35:49	0.1	0.1	0.1	0.1
588	4/10/2019 13:36:19	0.1	0.1	0.1	0.1
589	4/10/2019 13:36:49	0.1	0.1	0.1	0.1
590	4/10/2019 13:37:19	0.1	0.1	0.1	0.1
591	4/10/2019 13:37:49	0.1	0.1	0.1	0.1
592	4/10/2019 13:38:19	0.1	0.1	0.1	0.1

593	4/10/2019	13:38:49	0.1	0.1	0.1	0.1
594	4/10/2019	13:39:19	0.1	0.1	0.1	0.1
595	4/10/2019	13:39:49	0.1	0.1	0.1	0.1
596	4/10/2019	13:40:19	0.1	0.1	0.1	0.1
597	4/10/2019	13:40:49	0.1	0.1	0.1	0.1
598	4/10/2019	13:41:19	0.1	0.1	0.1	0.1
599	4/10/2019	13:41:49	0.1	0.1	0.1	0.1
600	4/10/2019	13:42:19	0.1	0.1	0.1	0.1
601	4/10/2019	13:42:49	0.1	0.1	0.1	0.1
602	4/10/2019	13:43:19	0.1	0.1	0.1	0.1
603	4/10/2019	13:43:49	0.1	0.1	0.1	0.1
604	4/10/2019	13:44:19	0.1	0.1	0.1	0.1
605	4/10/2019	13:44:49	0.1	0.1	0.1	0.1
606	4/10/2019	13:45:19	0.1	0.1	0.1	0.1
607	4/10/2019	13:45:49	0.1	0.1	0.1	0.1
608	4/10/2019	13:46:19	0.1	0.1	0.1	0.1
609	4/10/2019	13:46:49	0.1	0.1	0.1	0.1
610	4/10/2019	13:47:19	0.1	0.1	0.1	0.1
611	4/10/2019	13:47:49	0.1	0.1	0.1	0.1
612	4/10/2019	13:48:19	0.1	0.1	0.1	0.1
613	4/10/2019	13:48:49	0.1	0.1	0.1	0.1
614	4/10/2019	13:49:19	0.1	0.1	0.1	0.1
615	4/10/2019	13:49:49	0.1	0.1	0.1	0.1
616	4/10/2019	13:50:19	0.1	0.1	0.1	0.1
617	4/10/2019	13:50:49	0.1	0.1	0.1	0.1
618	4/10/2019	13:51:19	0.1	0.1	0.1	0.1
619	4/10/2019	13:51:49	0.1	0.1	0.1	0.1
620	4/10/2019	13:52:19	0.1	0.1	0.1	0.1
621	4/10/2019	13:52:49	0.1	0.1	0.1	0.1
622	4/10/2019	13:53:19	0.1	0.1	0.1	0.1
623	4/10/2019	13:53:49	0.1	0.1	0.1	0.1
624	4/10/2019	13:54:19	0.1	0.1	0.1	0.1
625	4/10/2019	13:54:49	0.1	0.1	0.1	0.1
626	4/10/2019	13:55:19	0.1	0.1	0.1	0.1
627	4/10/2019	13:55:49	0.1	0.1	0.1	0.1
628	4/10/2019	13:56:19	0.1	0.1	0.1	0.1
629	4/10/2019	13:56:49	0.1	0.1	0.1	0.1
630	4/10/2019	13:57:19	0.1	0.1	0.1	0.1
631	4/10/2019	13:57:49	0.1	0.1	0.1	0.1
632	4/10/2019	13:58:19	0.1	0.1	0.1	0.1
633	4/10/2019	13:58:49	0.1	0.1	0.1	0.1
634	4/10/2019	13:59:19	0.1	0.1	0.1	0.1
635	4/10/2019	13:59:49	0.1	0.1	0.1	0.1
636	4/10/2019	14:00:19	0.1	0.1	0.1	0.1
637	4/10/2019	14:00:49	0.1	0.1	0.1	0.1
638	4/10/2019	14:01:19	0.1	0.1	0.1	0.1
639	4/10/2019	14:01:49	0.1	0.1	0.1	0.1
640	4/10/2019	14:02:19	0.1	0.1	0.1	0.1
641	4/10/2019	14:02:49	0.1	0.1	0.1	0.1
642	4/10/2019	14:03:19	0.1	0.1	0.1	0.1

643	4/10/2019	14:03:49	0.1	0.1	0.1	0.1
644	4/10/2019	14:04:19	0.1	0.1	0.1	0.1
645	4/10/2019	14:04:49	0.1	0.1	0.1	0.1
646	4/10/2019	14:05:19	0.1	0.1	0.1	0.1
647	4/10/2019	14:05:49	0.1	0.1	0.1	0.1
648	4/10/2019	14:06:19	0.1	0.1	0.1	0.1
649	4/10/2019	14:06:49	0.1	0.1	0.1	0.1
650	4/10/2019	14:07:19	0.1	0.1	0.1	0.1
651	4/10/2019	14:07:49	0.1	0.1	0.1	0.1
652	4/10/2019	14:08:19	0.1	0.1	0.1	0.1
653	4/10/2019	14:08:49	0.1	0.1	0.1	0.1
654	4/10/2019	14:09:19	0.1	0.1	0.1	0.1
655	4/10/2019	14:09:49	0.1	0.1	0.1	0.1
656	4/10/2019	14:10:19	0.1	0.1	0.1	0.1
657	4/10/2019	14:10:49	0.1	0.1	0.1	0.1
658	4/10/2019	14:11:19	0.1	0.1	0.1	0.1
659	4/10/2019	14:11:49	0.1	0.1	0.1	0.1
660	4/10/2019	14:12:19	0.1	0.1	0.1	0.1
661	4/10/2019	14:12:49	0.1	0.1	0.1	0.1
662	4/10/2019	14:13:19	0.1	0.1	0.1	0.1
663	4/10/2019	14:13:49	0.1	0.1	0.1	0.1
664	4/10/2019	14:14:19	0.1	0.1	0.1	0.1
665	4/10/2019	14:14:49	0.1	0.1	0.1	0.1
666	4/10/2019	14:15:19	0.1	0.1	0.1	0.1
667	4/10/2019	14:15:49	0.1	0.1	0.1	0.1
668	4/10/2019	14:16:19	0.1	0.1	0.1	0.1
669	4/10/2019	14:16:49	0.1	0.1	0.1	0.1
670	4/10/2019	14:17:19	0.1	0.1	0.1	0.1
671	4/10/2019	14:17:49	0.1	0.1	0.1	0.1
672	4/10/2019	14:18:19	0.1	0.1	0.1	0.1
673	4/10/2019	14:18:49	0.1	0.1	0.1	0.1
674	4/10/2019	14:19:19	0.1	0.1	0.1	0.1
675	4/10/2019	14:19:49	0.1	0.1	0.1	0.1
676	4/10/2019	14:20:19	0.1	0.1	0.1	0.1
677	4/10/2019	14:20:49	0.1	0.1	0.1	0.1
678	4/10/2019	14:21:19	0.1	0.1	0.1	0.1
679	4/10/2019	14:21:49	0.1	0.1	0.1	0.1
680	4/10/2019	14:22:19	0.1	0.1	0.1	0.1
681	4/10/2019	14:22:49	0.1	0.1	0.1	0.1
682	4/10/2019	14:23:19	0.1	0.1	0.1	0.1
683	4/10/2019	14:23:49	0.1	0.1	0.1	0.1
684	4/10/2019	14:24:19	0.1	0.1	0.1	0.1
685	4/10/2019	14:24:49	0.1	0.1	0.1	0.1
686	4/10/2019	14:25:19	0.1	0.1	0.1	0.1
687	4/10/2019	14:25:49	0.1	0.1	0.1	0.1
688	4/10/2019	14:26:19	0.1	0.1	0.1	0.1
689	4/10/2019	14:26:49	0.1	0.1	0.1	0.1
690	4/10/2019	14:27:19	0.1	0.1	0.1	0.1
691	4/10/2019	14:27:49	0.1	0.1	0.1	0.1
692	4/10/2019	14:28:19	0.1	0.1	0.1	0.1

693	4/10/2019	14:28:49	0.1	0.1	0.1	0.1
694	4/10/2019	14:29:19	0.1	0.1	0.1	0.1
695	4/10/2019	14:29:49	0.1	0.1	0.1	0.1
696	4/10/2019	14:30:19	0.1	0.1	0.1	0.1
697	4/10/2019	14:30:49	0.1	0.1	0.1	0.1
698	4/10/2019	14:31:19	0.1	0.1	0.1	0.1
699	4/10/2019	14:31:49	0.1	0.1	0.1	0.1
700	4/10/2019	14:32:19	0.1	0.1	0.1	0.1
701	4/10/2019	14:32:49	0.1	0.1	0.1	0.1
702	4/10/2019	14:33:19	0.1	0.1	0.1	0.1
703	4/10/2019	14:33:49	0.1	0.1	0.1	0.1
704	4/10/2019	14:34:19	0.1	0.1	0.1	0.1
705	4/10/2019	14:34:49	0.1	0.1	0.1	0.1
706	4/10/2019	14:35:19	0.1	0.1	0.1	0.1
707	4/10/2019	14:35:49	0.1	0.1	0.1	0.1
708	4/10/2019	14:36:19	0.1	0.1	0.1	0.1
709	4/10/2019	14:36:49	0.1	0.1	0.1	0.1
710	4/10/2019	14:37:19	0.1	0.1	0.1	0.1
711	4/10/2019	14:37:49	0.1	0.1	0.1	0.1
712	4/10/2019	14:38:19	0.1	0.1	0.1	0.1
713	4/10/2019	14:38:49	0.1	0.1	0.1	0.1
714	4/10/2019	14:39:19	0.1	0.1	0.1	0.1
715	4/10/2019	14:39:49	0.1	0.1	0.1	0.1
716	4/10/2019	14:40:19	0.1	0.1	0.1	0.1
717	4/10/2019	14:40:49	0.1	0.1	0.1	0.1
718	4/10/2019	14:41:19	0.1	0.1	0.1	0.1
719	4/10/2019	14:41:49	0.1	0.1	0.1	0.1
720	4/10/2019	14:42:19	0.1	0.1	0.1	0.1
721	4/10/2019	14:42:49	0.1	0.1	0.1	0.1
722	4/10/2019	14:43:19	0.1	0.1	0.1	0.1
723	4/10/2019	14:43:49	0.1	0.1	0.2	0.1
724	4/10/2019	14:44:19	0.1	0.1	0.1	0.1
725	4/10/2019	14:44:49	0.1	0.1	0.1	0.1
726	4/10/2019	14:45:19	0.1	0.1	0.1	0.1
727	4/10/2019	14:45:49	0.1	0.1	0.1	0.1
728	4/10/2019	14:46:19	0.1	0.1	0.1	0.1
729	4/10/2019	14:46:49	0.1	0.1	0.1	0.1
730	4/10/2019	14:47:19	0.1	0.1	0.1	0.1
Peak			0.4	1.4	3.5	3.2
Min			0.0	0.0	0.0	0.0
Average			0.0	0.0	0.1	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/10/2019 08:42:49	0.0	---
002	4/10/2019 08:43:19	0.0	---
003	4/10/2019 08:43:49	0.0	---
004	4/10/2019 08:44:19	0.0	---

005	4/10/2019	08:44:49	0.0	---
006	4/10/2019	08:45:19	0.0	---
007	4/10/2019	08:45:49	0.0	---
008	4/10/2019	08:46:19	0.0	---
009	4/10/2019	08:46:49	0.0	---
010	4/10/2019	08:47:19	0.0	---
011	4/10/2019	08:47:49	0.0	---
012	4/10/2019	08:48:19	0.0	---
013	4/10/2019	08:48:49	0.0	---
014	4/10/2019	08:49:19	0.0	---
015	4/10/2019	08:49:49	0.0	---
016	4/10/2019	08:50:19	0.0	---
017	4/10/2019	08:50:49	0.0	---
018	4/10/2019	08:51:19	0.0	---
019	4/10/2019	08:51:49	0.0	---
020	4/10/2019	08:52:19	0.0	---
021	4/10/2019	08:52:49	0.0	---
022	4/10/2019	08:53:19	0.0	---
023	4/10/2019	08:53:49	0.0	---
024	4/10/2019	08:54:19	0.0	---
025	4/10/2019	08:54:49	0.0	---
026	4/10/2019	08:55:19	0.0	---
027	4/10/2019	08:55:49	0.0	---
028	4/10/2019	08:56:19	0.0	---
029	4/10/2019	08:56:49	0.0	---
030	4/10/2019	08:57:19	0.0	0.0
031	4/10/2019	08:57:49	0.0	0.0
032	4/10/2019	08:58:19	0.0	0.0
033	4/10/2019	08:58:49	0.0	0.0
034	4/10/2019	08:59:19	0.0	0.0
035	4/10/2019	08:59:49	0.0	0.0
036	4/10/2019	09:00:19	0.0	0.0
037	4/10/2019	09:00:49	0.0	0.0
038	4/10/2019	09:01:19	0.0	0.0
039	4/10/2019	09:01:49	0.0	0.0
040	4/10/2019	09:02:19	0.0	0.0
041	4/10/2019	09:02:49	0.0	0.0
042	4/10/2019	09:03:19	0.0	0.0
043	4/10/2019	09:03:49	0.0	0.0
044	4/10/2019	09:04:19	0.0	0.0
045	4/10/2019	09:04:49	0.0	0.0
046	4/10/2019	09:05:19	0.0	0.0
047	4/10/2019	09:05:49	0.0	0.0
048	4/10/2019	09:06:19	0.0	0.0
049	4/10/2019	09:06:49	0.0	0.0
050	4/10/2019	09:07:19	0.0	0.0
051	4/10/2019	09:07:49	0.0	0.0
052	4/10/2019	09:08:19	0.0	0.0
053	4/10/2019	09:08:49	0.0	0.0
054	4/10/2019	09:09:19	0.0	0.0

055	4/10/2019 09:09:49	0.0	0.0
056	4/10/2019 09:10:19	0.0	0.0
057	4/10/2019 09:10:49	0.0	0.0
058	4/10/2019 09:11:19	0.0	0.0
059	4/10/2019 09:11:49	0.0	0.0
060	4/10/2019 09:12:19	0.0	0.0
061	4/10/2019 09:12:49	0.0	0.0
062	4/10/2019 09:13:19	0.0	0.0
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431	4/10/2019 12:17:49	0.0	0.0
432	4/10/2019 12:18:19	0.0	0.0
433	4/10/2019 12:18:49	0.0	0.0
434	4/10/2019 12:19:19	0.0	0.0
435	4/10/2019 12:19:49	0.0	0.0
436	4/10/2019 12:20:19	0.0	0.0
437	4/10/2019 12:20:49	0.0	0.0
438	4/10/2019 12:21:19	0.0	0.0
439	4/10/2019 12:21:49	0.0	0.0
440	4/10/2019 12:22:19	0.0	0.0
441	4/10/2019 12:22:49	0.0	0.0
442	4/10/2019 12:23:19	0.0	0.0
443	4/10/2019 12:23:49	0.0	0.0
444	4/10/2019 12:24:19	0.0	0.0
445	4/10/2019 12:24:49	0.0	0.0
446	4/10/2019 12:25:19	0.0	0.0
447	4/10/2019 12:25:49	0.0	0.0
448	4/10/2019 12:26:19	0.0	0.0
449	4/10/2019 12:26:49	0.0	0.0
450	4/10/2019 12:27:19	0.0	0.0
451	4/10/2019 12:27:49	0.0	0.0
452	4/10/2019 12:28:19	0.0	0.0
453	4/10/2019 12:28:49	0.0	0.0
454	4/10/2019 12:29:19	0.0	0.0

455	4/10/2019 12:29:49	0.0	0.0
456	4/10/2019 12:30:19	0.0	0.0
457	4/10/2019 12:30:49	0.0	0.0
458	4/10/2019 12:31:19	0.0	0.0
459	4/10/2019 12:31:49	0.0	0.0
460	4/10/2019 12:32:19	0.0	0.0
461	4/10/2019 12:32:49	0.0	0.0
462	4/10/2019 12:33:19	0.0	0.0
463	4/10/2019 12:33:49	0.0	0.0
464	4/10/2019 12:34:19	0.0	0.0
465	4/10/2019 12:34:49	0.0	0.0
466	4/10/2019 12:35:19	0.0	0.0
467	4/10/2019 12:35:49	0.0	0.0
468	4/10/2019 12:36:19	0.0	0.0
469	4/10/2019 12:36:49	0.0	0.0
470	4/10/2019 12:37:19	0.0	0.0
471	4/10/2019 12:37:49	0.0	0.0
472	4/10/2019 12:38:19	0.0	0.0
473	4/10/2019 12:38:49	0.0	0.0
474	4/10/2019 12:39:19	0.0	0.0
475	4/10/2019 12:39:49	0.0	0.0
476	4/10/2019 12:40:19	0.0	0.0
477	4/10/2019 12:40:49	0.0	0.0
478	4/10/2019 12:41:19	0.0	0.0
479	4/10/2019 12:41:49	0.0	0.0
480	4/10/2019 12:42:19	0.0	0.0
481	4/10/2019 12:42:49	0.0	0.0
482	4/10/2019 12:43:19	0.0	0.0
483	4/10/2019 12:43:49	0.0	0.0
484	4/10/2019 12:44:19	0.0	0.0
485	4/10/2019 12:44:49	0.0	0.0
486	4/10/2019 12:45:19	0.0	0.0
487	4/10/2019 12:45:49	0.0	0.0
488	4/10/2019 12:46:19	0.0	0.0
489	4/10/2019 12:46:49	0.0	0.0
490	4/10/2019 12:47:19	0.0	0.0
491	4/10/2019 12:47:49	0.0	0.0
492	4/10/2019 12:48:19	0.0	0.0
493	4/10/2019 12:48:49	0.0	0.0
494	4/10/2019 12:49:19	0.0	0.0
495	4/10/2019 12:49:49	0.0	0.0
496	4/10/2019 12:50:19	0.0	0.0
497	4/10/2019 12:50:49	0.0	0.0
498	4/10/2019 12:51:19	0.0	0.0
499	4/10/2019 12:51:49	0.0	0.0
500	4/10/2019 12:52:19	0.0	0.0
501	4/10/2019 12:52:49	0.0	0.0
502	4/10/2019 12:53:19	0.0	0.0
503	4/10/2019 12:53:49	0.0	0.0
504	4/10/2019 12:54:19	0.0	0.0

505	4/10/2019 12:54:49	0.0	0.0
506	4/10/2019 12:55:19	0.0	0.0
507	4/10/2019 12:55:49	0.0	0.0
508	4/10/2019 12:56:19	0.0	0.0
509	4/10/2019 12:56:49	0.0	0.0
510	4/10/2019 12:57:19	0.0	0.0
511	4/10/2019 12:57:49	0.0	0.0
512	4/10/2019 12:58:19	0.0	0.0
513	4/10/2019 12:58:49	0.0	0.0
514	4/10/2019 12:59:19	0.0	0.0
515	4/10/2019 12:59:49	0.0	0.0
516	4/10/2019 13:00:19	0.0	0.0
517	4/10/2019 13:00:49	0.0	0.0
518	4/10/2019 13:01:19	0.0	0.0
519	4/10/2019 13:01:49	0.0	0.0
520	4/10/2019 13:02:19	0.0	0.0
521	4/10/2019 13:02:49	0.0	0.0
522	4/10/2019 13:03:19	0.0	0.0
523	4/10/2019 13:03:49	0.0	0.0
524	4/10/2019 13:04:19	0.0	0.0
525	4/10/2019 13:04:49	0.0	0.0
526	4/10/2019 13:05:19	0.0	0.0
527	4/10/2019 13:05:49	0.0	0.0
528	4/10/2019 13:06:19	0.0	0.0
529	4/10/2019 13:06:49	0.0	0.0
530	4/10/2019 13:07:19	0.0	0.0
531	4/10/2019 13:07:49	0.0	0.0
532	4/10/2019 13:08:19	0.0	0.0
533	4/10/2019 13:08:49	0.0	0.0
534	4/10/2019 13:09:19	0.0	0.0
535	4/10/2019 13:09:49	0.0	0.0
536	4/10/2019 13:10:19	0.0	0.0
537	4/10/2019 13:10:49	0.0	0.0
538	4/10/2019 13:11:19	0.0	0.0
539	4/10/2019 13:11:49	0.0	0.0
540	4/10/2019 13:12:19	0.0	0.0
541	4/10/2019 13:12:49	0.0	0.0
542	4/10/2019 13:13:19	0.0	0.0
543	4/10/2019 13:13:49	0.0	0.0
544	4/10/2019 13:14:19	0.0	0.0
545	4/10/2019 13:14:49	0.0	0.0
546	4/10/2019 13:15:19	0.0	0.0
547	4/10/2019 13:15:49	0.0	0.0
548	4/10/2019 13:16:19	0.0	0.0
549	4/10/2019 13:16:49	0.0	0.0
550	4/10/2019 13:17:19	0.0	0.0
551	4/10/2019 13:17:49	0.0	0.0
552	4/10/2019 13:18:19	0.0	0.0
553	4/10/2019 13:18:49	0.0	0.0
554	4/10/2019 13:19:19	0.0	0.0

555	4/10/2019 13:19:49	0.0	0.0
556	4/10/2019 13:20:19	0.0	0.0
557	4/10/2019 13:20:49	0.0	0.0
558	4/10/2019 13:21:19	0.0	0.0
559	4/10/2019 13:21:49	0.0	0.0
560	4/10/2019 13:22:19	0.0	0.0
561	4/10/2019 13:22:49	0.0	0.0
562	4/10/2019 13:23:19	0.0	0.0
563	4/10/2019 13:23:49	0.0	0.0
564	4/10/2019 13:24:19	0.0	0.0
565	4/10/2019 13:24:49	0.0	0.0
566	4/10/2019 13:25:19	0.0	0.0
567	4/10/2019 13:25:49	0.0	0.0
568	4/10/2019 13:26:19	0.0	0.0
569	4/10/2019 13:26:49	0.0	0.0
570	4/10/2019 13:27:19	0.0	0.0
571	4/10/2019 13:27:49	0.0	0.0
572	4/10/2019 13:28:19	0.0	0.0
573	4/10/2019 13:28:49	0.0	0.0
574	4/10/2019 13:29:19	0.0	0.0
575	4/10/2019 13:29:49	0.0	0.0
576	4/10/2019 13:30:19	0.0	0.0
577	4/10/2019 13:30:49	0.0	0.0
578	4/10/2019 13:31:19	0.0	0.0
579	4/10/2019 13:31:49	0.0	0.0
580	4/10/2019 13:32:19	0.0	0.0
581	4/10/2019 13:32:49	0.0	0.0
582	4/10/2019 13:33:19	0.0	0.0
583	4/10/2019 13:33:49	0.0	0.1
584	4/10/2019 13:34:19	0.0	0.1
585	4/10/2019 13:34:49	0.0	0.1
586	4/10/2019 13:35:19	0.0	0.1
587	4/10/2019 13:35:49	0.0	0.1
588	4/10/2019 13:36:19	0.0	0.1
589	4/10/2019 13:36:49	0.0	0.1
590	4/10/2019 13:37:19	0.0	0.1
591	4/10/2019 13:37:49	0.0	0.1
592	4/10/2019 13:38:19	0.0	0.1
593	4/10/2019 13:38:49	0.0	0.1
594	4/10/2019 13:39:19	0.0	0.1
595	4/10/2019 13:39:49	0.0	0.1
596	4/10/2019 13:40:19	0.0	0.1
597	4/10/2019 13:40:49	0.0	0.1
598	4/10/2019 13:41:19	0.0	0.1
599	4/10/2019 13:41:49	0.0	0.1
600	4/10/2019 13:42:19	0.0	0.1
601	4/10/2019 13:42:49	0.0	0.1
602	4/10/2019 13:43:19	0.0	0.1
603	4/10/2019 13:43:49	0.0	0.1
604	4/10/2019 13:44:19	0.0	0.1

605	4/10/2019 13:44:49	0.0	0.1
606	4/10/2019 13:45:19	0.0	0.1
607	4/10/2019 13:45:49	0.0	0.1
608	4/10/2019 13:46:19	0.0	0.1
609	4/10/2019 13:46:49	0.0	0.1
610	4/10/2019 13:47:19	0.0	0.1
611	4/10/2019 13:47:49	0.0	0.1
612	4/10/2019 13:48:19	0.0	0.1
613	4/10/2019 13:48:49	0.0	0.1
614	4/10/2019 13:49:19	0.0	0.1
615	4/10/2019 13:49:49	0.0	0.1
616	4/10/2019 13:50:19	0.0	0.1
617	4/10/2019 13:50:49	0.0	0.1
618	4/10/2019 13:51:19	0.0	0.1
619	4/10/2019 13:51:49	0.0	0.1
620	4/10/2019 13:52:19	0.0	0.1
621	4/10/2019 13:52:49	0.0	0.1
622	4/10/2019 13:53:19	0.0	0.1
623	4/10/2019 13:53:49	0.0	0.1
624	4/10/2019 13:54:19	0.0	0.1
625	4/10/2019 13:54:49	0.0	0.1
626	4/10/2019 13:55:19	0.0	0.1
627	4/10/2019 13:55:49	0.0	0.1
628	4/10/2019 13:56:19	0.0	0.1
629	4/10/2019 13:56:49	0.0	0.1
630	4/10/2019 13:57:19	0.0	0.1
631	4/10/2019 13:57:49	0.0	0.1
632	4/10/2019 13:58:19	0.0	0.1
633	4/10/2019 13:58:49	0.0	0.1
634	4/10/2019 13:59:19	0.0	0.1
635	4/10/2019 13:59:49	0.0	0.1
636	4/10/2019 14:00:19	0.0	0.1
637	4/10/2019 14:00:49	0.0	0.1
638	4/10/2019 14:01:19	0.0	0.1
639	4/10/2019 14:01:49	0.0	0.1
640	4/10/2019 14:02:19	0.0	0.1
641	4/10/2019 14:02:49	0.0	0.1
642	4/10/2019 14:03:19	0.0	0.1
643	4/10/2019 14:03:49	0.0	0.1
644	4/10/2019 14:04:19	0.0	0.1
645	4/10/2019 14:04:49	0.0	0.1
646	4/10/2019 14:05:19	0.0	0.1
647	4/10/2019 14:05:49	0.0	0.1
648	4/10/2019 14:06:19	0.0	0.1
649	4/10/2019 14:06:49	0.0	0.1
650	4/10/2019 14:07:19	0.0	0.1
651	4/10/2019 14:07:49	0.0	0.1
652	4/10/2019 14:08:19	0.0	0.1
653	4/10/2019 14:08:49	0.0	0.1
654	4/10/2019 14:09:19	0.0	0.1

655	4/10/2019 14:09:49	0.0	0.1
656	4/10/2019 14:10:19	0.0	0.1
657	4/10/2019 14:10:49	0.0	0.1
658	4/10/2019 14:11:19	0.0	0.1
659	4/10/2019 14:11:49	0.0	0.1
660	4/10/2019 14:12:19	0.0	0.1
661	4/10/2019 14:12:49	0.0	0.1
662	4/10/2019 14:13:19	0.0	0.1
663	4/10/2019 14:13:49	0.0	0.1
664	4/10/2019 14:14:19	0.0	0.1
665	4/10/2019 14:14:49	0.0	0.1
666	4/10/2019 14:15:19	0.0	0.1
667	4/10/2019 14:15:49	0.0	0.1
668	4/10/2019 14:16:19	0.0	0.1
669	4/10/2019 14:16:49	0.0	0.1
670	4/10/2019 14:17:19	0.0	0.1
671	4/10/2019 14:17:49	0.0	0.1
672	4/10/2019 14:18:19	0.0	0.1
673	4/10/2019 14:18:49	0.0	0.1
674	4/10/2019 14:19:19	0.0	0.1
675	4/10/2019 14:19:49	0.0	0.1
676	4/10/2019 14:20:19	0.0	0.1
677	4/10/2019 14:20:49	0.0	0.1
678	4/10/2019 14:21:19	0.0	0.1
679	4/10/2019 14:21:49	0.0	0.1
680	4/10/2019 14:22:19	0.0	0.1
681	4/10/2019 14:22:49	0.0	0.1
682	4/10/2019 14:23:19	0.0	0.1
683	4/10/2019 14:23:49	0.0	0.1
684	4/10/2019 14:24:19	0.0	0.1
685	4/10/2019 14:24:49	0.0	0.1
686	4/10/2019 14:25:19	0.0	0.1
687	4/10/2019 14:25:49	0.0	0.1
688	4/10/2019 14:26:19	0.0	0.1
689	4/10/2019 14:26:49	0.0	0.1
690	4/10/2019 14:27:19	0.0	0.1
691	4/10/2019 14:27:49	0.0	0.1
692	4/10/2019 14:28:19	0.0	0.1
693	4/10/2019 14:28:49	0.0	0.1
694	4/10/2019 14:29:19	0.0	0.1
695	4/10/2019 14:29:49	0.0	0.1
696	4/10/2019 14:30:19	0.0	0.1
697	4/10/2019 14:30:49	0.0	0.1
698	4/10/2019 14:31:19	0.0	0.1
699	4/10/2019 14:31:49	0.0	0.1
700	4/10/2019 14:32:19	0.0	0.1
701	4/10/2019 14:32:49	0.0	0.1
702	4/10/2019 14:33:19	0.0	0.1
703	4/10/2019 14:33:49	0.0	0.1
704	4/10/2019 14:34:19	0.0	0.1

705	4/10/2019 14:34:49	0.0	0.1
706	4/10/2019 14:35:19	0.0	0.1
707	4/10/2019 14:35:49	0.0	0.1
708	4/10/2019 14:36:19	0.0	0.1
709	4/10/2019 14:36:49	0.0	0.1
710	4/10/2019 14:37:19	0.0	0.1
711	4/10/2019 14:37:49	0.0	0.1
712	4/10/2019 14:38:19	0.0	0.1
713	4/10/2019 14:38:49	0.0	0.1
714	4/10/2019 14:39:19	0.0	0.1
715	4/10/2019 14:39:49	0.0	0.1
716	4/10/2019 14:40:19	0.0	0.1
717	4/10/2019 14:40:49	0.0	0.1
718	4/10/2019 14:41:19	0.0	0.1
719	4/10/2019 14:41:49	0.0	0.1
720	4/10/2019 14:42:19	0.0	0.1
721	4/10/2019 14:42:49	0.0	0.1
722	4/10/2019 14:43:19	0.0	0.1
723	4/10/2019 14:43:49	0.0	0.1
724	4/10/2019 14:44:19	0.0	0.1
725	4/10/2019 14:44:49	0.0	0.1
726	4/10/2019 14:45:19	0.0	0.1
727	4/10/2019 14:45:49	0.0	0.1
728	4/10/2019 14:46:19	0.0	0.1
729	4/10/2019 14:46:49	0.0	0.1
730	4/10/2019 14:47:19	0.0	0.1

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19/04/11 07:30

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908425
Unit Firmware Ver	V2.16

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

Site ID	PES00000
User ID	PES00000

Begin	4/11/2019 07:30:47
End	4/11/2019 07:32:09
Sample Period(s)	30
Number of Records	2

Sensor	PID(ppm)
Sensor SN	S0?3030298V9

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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/10/2019 07:37
Peak 0.1
Min 0.1
Average 0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/11/2019 07:31:17	0.0	0.1	0.1	0.1	
002	4/11/2019 07:31:47	0.1	0.1	0.1	0.1	
Peak		0.1	0.1	0.1	0.1	
Min		0.0	0.1	0.1	0.1	
Average		0.1	0.1	0.1	0.1	

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/11/2019 07:31:17	0.0	---
002	4/11/2019 07:31:47	0.0	---

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19/04/11 07:38
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Battery Low

Site ID PES00000
User ID PES00000

Begin 4/11/2019 07:38:57
End 4/11/2019 10:10:39
Sample Period(s) 30

Number of Records 303

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/10/2019 07:37
Peak 0.0
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/11/2019 07:39:27	0.0	0.0	0.0	0.0	
002	4/11/2019 07:39:57	0.0	0.0	0.0	0.0	
003	4/11/2019 07:40:27	0.0	0.0	0.0	0.0	
004	4/11/2019 07:40:57	0.0	0.0	0.0	0.0	
005	4/11/2019 07:41:27	0.0	0.0	0.0	0.0	
006	4/11/2019 07:41:57	0.0	0.0	0.0	0.0	
007	4/11/2019 07:42:27	0.0	0.0	0.0	0.0	
008	4/11/2019 07:42:57	0.0	0.0	0.0	0.0	
009	4/11/2019 07:43:27	0.0	0.0	0.0	0.0	
010	4/11/2019 07:43:57	0.0	0.0	0.0	0.0	
011	4/11/2019 07:44:27	0.0	0.0	0.0	0.0	
012	4/11/2019 07:44:57	0.0	0.0	0.0	0.0	
013	4/11/2019 07:45:27	0.0	0.0	0.0	0.0	
014	4/11/2019 07:45:57	0.0	0.0	0.0	0.0	
015	4/11/2019 07:46:27	0.0	0.0	0.0	0.0	
016	4/11/2019 07:46:57	0.0	0.0	0.0	0.0	
017	4/11/2019 07:47:27	0.0	0.0	0.0	0.0	
018	4/11/2019 07:47:57	0.0	0.0	0.0	0.0	
019	4/11/2019 07:48:27	0.0	0.0	0.0	0.0	
020	4/11/2019 07:48:57	0.0	0.0	0.0	0.0	
021	4/11/2019 07:49:27	0.0	0.0	0.0	0.0	
022	4/11/2019 07:49:57	0.0	0.0	0.0	0.0	
023	4/11/2019 07:50:27	0.0	0.0	0.0	0.0	
024	4/11/2019 07:50:57	0.0	0.0	0.0	0.0	
025	4/11/2019 07:51:27	0.0	0.0	0.0	0.0	
026	4/11/2019 07:51:57	0.0	0.0	0.0	0.0	
027	4/11/2019 07:52:27	0.0	0.0	0.0	0.0	
028	4/11/2019 07:52:57	0.0	0.0	0.0	0.0	

029	4/11/2019	07:53:27	0.0	0.0	0.0	0.0
030	4/11/2019	07:53:57	0.0	0.0	0.0	0.0
031	4/11/2019	07:54:27	0.0	0.0	0.0	0.0
032	4/11/2019	07:54:57	0.0	0.0	0.0	0.0
033	4/11/2019	07:55:27	0.0	0.0	0.0	0.0
034	4/11/2019	07:55:57	0.0	0.0	0.0	0.0
035	4/11/2019	07:56:27	0.0	0.0	0.0	0.0
036	4/11/2019	07:56:57	0.0	0.0	0.0	0.0
037	4/11/2019	07:57:27	0.0	0.0	0.0	0.0
038	4/11/2019	07:57:57	0.0	0.0	0.0	0.0
039	4/11/2019	07:58:27	0.0	0.0	0.0	0.0
040	4/11/2019	07:58:57	0.0	0.0	0.0	0.0
041	4/11/2019	07:59:27	0.0	0.0	0.0	0.0
042	4/11/2019	07:59:57	0.0	0.0	0.0	0.0
043	4/11/2019	08:00:27	0.0	0.0	0.0	0.0
044	4/11/2019	08:00:57	0.0	0.0	0.0	0.0
045	4/11/2019	08:01:27	0.0	0.0	0.0	0.0
046	4/11/2019	08:01:57	0.0	0.0	0.0	0.0
047	4/11/2019	08:02:27	0.0	0.0	0.0	0.0
048	4/11/2019	08:02:57	0.0	0.0	0.0	0.0
049	4/11/2019	08:03:27	0.0	0.0	0.0	0.0
050	4/11/2019	08:03:57	0.0	0.0	0.0	0.0
051	4/11/2019	08:04:27	0.0	0.0	0.0	0.0
052	4/11/2019	08:04:57	0.0	0.0	0.0	0.0
053	4/11/2019	08:05:27	0.0	0.0	0.0	0.0
054	4/11/2019	08:05:57	0.0	0.0	0.0	0.0
055	4/11/2019	08:06:27	0.0	0.0	0.0	0.0
056	4/11/2019	08:06:57	0.0	0.0	0.0	0.0
057	4/11/2019	08:07:27	0.0	0.0	0.0	0.0
058	4/11/2019	08:07:57	0.0	0.0	0.0	0.0
059	4/11/2019	08:08:27	0.0	0.0	0.0	0.0
060	4/11/2019	08:08:57	0.0	0.0	0.0	0.0
061	4/11/2019	08:09:27	0.0	0.0	0.0	0.0
062	4/11/2019	08:09:57	0.0	0.0	0.0	0.0
063	4/11/2019	08:10:27	0.0	0.0	0.0	0.0
064	4/11/2019	08:10:57	0.0	0.0	0.0	0.0
065	4/11/2019	08:11:27	0.0	0.0	0.0	0.0
066	4/11/2019	08:11:57	0.0	0.0	0.0	0.0
067	4/11/2019	08:12:27	0.0	0.0	0.0	0.0
068	4/11/2019	08:12:57	0.0	0.0	0.0	0.0
069	4/11/2019	08:13:27	0.0	0.0	0.0	0.0
070	4/11/2019	08:13:57	0.0	0.0	0.0	0.0
071	4/11/2019	08:14:27	0.0	0.0	0.0	0.0
072	4/11/2019	08:14:57	0.0	0.0	0.0	0.0
073	4/11/2019	08:15:27	0.0	0.0	0.0	0.0
074	4/11/2019	08:15:57	0.0	0.0	0.0	0.0
075	4/11/2019	08:16:27	0.0	0.0	0.0	0.0
076	4/11/2019	08:16:57	0.0	0.0	0.0	0.0
077	4/11/2019	08:17:27	0.0	0.0	0.0	0.0
078	4/11/2019	08:17:57	0.0	0.0	0.0	0.0

079	4/11/2019	08:18:27	0.0	0.0	0.0	0.0
080	4/11/2019	08:18:57	0.0	0.0	0.0	0.0
081	4/11/2019	08:19:27	0.0	0.0	0.0	0.0
082	4/11/2019	08:19:57	0.0	0.0	0.0	0.0
083	4/11/2019	08:20:27	0.0	0.0	0.0	0.0
084	4/11/2019	08:20:57	0.0	0.0	0.0	0.0
085	4/11/2019	08:21:27	0.0	0.0	0.0	0.0
086	4/11/2019	08:21:57	0.0	0.0	0.0	0.0
087	4/11/2019	08:22:27	0.0	0.0	0.0	0.0
088	4/11/2019	08:22:57	0.0	0.0	0.0	0.0
089	4/11/2019	08:23:27	0.0	0.0	0.0	0.0
090	4/11/2019	08:23:57	0.0	0.0	0.0	0.0
091	4/11/2019	08:24:27	0.0	0.0	0.0	0.0
092	4/11/2019	08:24:57	0.0	0.0	0.0	0.0
093	4/11/2019	08:25:27	0.0	0.0	0.0	0.0
094	4/11/2019	08:25:57	0.0	0.0	0.0	0.0
095	4/11/2019	08:26:27	0.0	0.0	0.0	0.0
096	4/11/2019	08:26:57	0.0	0.0	0.0	0.0
097	4/11/2019	08:27:27	0.0	0.0	0.0	0.0
098	4/11/2019	08:27:57	0.0	0.0	0.0	0.0
099	4/11/2019	08:28:27	0.0	0.0	0.0	0.0
100	4/11/2019	08:28:57	0.0	0.0	0.0	0.0
101	4/11/2019	08:29:27	0.0	0.0	0.0	0.0
102	4/11/2019	08:29:57	0.0	0.0	0.0	0.0
103	4/11/2019	08:30:27	0.0	0.0	0.0	0.0
104	4/11/2019	08:30:57	0.0	0.0	0.0	0.0
105	4/11/2019	08:31:27	0.0	0.0	0.0	0.0
106	4/11/2019	08:31:57	0.0	0.0	0.0	0.0
107	4/11/2019	08:32:27	0.0	0.0	0.0	0.0
108	4/11/2019	08:32:57	0.0	0.0	0.0	0.0
109	4/11/2019	08:33:27	0.0	0.0	0.0	0.0
110	4/11/2019	08:33:57	0.0	0.0	0.0	0.0
111	4/11/2019	08:34:27	0.0	0.0	0.0	0.0
112	4/11/2019	08:34:57	0.0	0.0	0.0	0.0
113	4/11/2019	08:35:27	0.0	0.0	0.0	0.0
114	4/11/2019	08:35:57	0.0	0.0	0.0	0.0
115	4/11/2019	08:36:27	0.0	0.0	0.0	0.0
116	4/11/2019	08:36:57	0.0	0.0	0.0	0.0
117	4/11/2019	08:37:27	0.0	0.0	0.0	0.0
118	4/11/2019	08:37:57	0.0	0.0	0.0	0.0
119	4/11/2019	08:38:27	0.0	0.0	0.0	0.0
120	4/11/2019	08:38:57	0.0	0.0	0.0	0.0
121	4/11/2019	08:39:27	0.0	0.0	0.0	0.0
122	4/11/2019	08:39:57	0.0	0.0	0.0	0.0
123	4/11/2019	08:40:27	0.0	0.0	0.0	0.0
124	4/11/2019	08:40:57	0.0	0.0	0.0	0.0
125	4/11/2019	08:41:27	0.0	0.0	0.0	0.0
126	4/11/2019	08:41:57	0.0	0.0	0.0	0.0
127	4/11/2019	08:42:27	0.0	0.0	0.0	0.0
128	4/11/2019	08:42:57	0.0	0.0	0.0	0.0

129	4/11/2019	08:43:27	0.0	0.0	0.0	0.0
130	4/11/2019	08:43:57	0.0	0.0	0.0	0.0
131	4/11/2019	08:44:27	0.0	0.0	0.0	0.0
132	4/11/2019	08:44:57	0.0	0.0	0.0	0.0
133	4/11/2019	08:45:27	0.0	0.0	0.0	0.0
134	4/11/2019	08:45:57	0.0	0.0	0.0	0.0
135	4/11/2019	08:46:27	0.0	0.0	0.0	0.0
136	4/11/2019	08:46:57	0.0	0.0	0.0	0.0
137	4/11/2019	08:47:27	0.0	0.0	0.0	0.0
138	4/11/2019	08:47:57	0.0	0.0	0.0	0.0
139	4/11/2019	08:48:27	0.0	0.0	0.0	0.0
140	4/11/2019	08:48:57	0.0	0.0	0.0	0.0
141	4/11/2019	08:49:27	0.0	0.0	0.0	0.0
142	4/11/2019	08:49:57	0.0	0.0	0.0	0.0
143	4/11/2019	08:50:27	0.0	0.0	0.0	0.0
144	4/11/2019	08:50:57	0.0	0.0	0.0	0.0
145	4/11/2019	08:51:27	0.0	0.0	0.0	0.0
146	4/11/2019	08:51:57	0.0	0.0	0.0	0.0
147	4/11/2019	08:52:27	0.0	0.0	0.0	0.0
148	4/11/2019	08:52:57	0.0	0.0	0.0	0.0
149	4/11/2019	08:53:27	0.0	0.0	0.0	0.0
150	4/11/2019	08:53:57	0.0	0.0	0.0	0.0
151	4/11/2019	08:54:27	0.0	0.0	0.0	0.0
152	4/11/2019	08:54:57	0.0	0.0	0.0	0.0
153	4/11/2019	08:55:27	0.0	0.0	0.0	0.0
154	4/11/2019	08:55:57	0.0	0.0	0.0	0.0
155	4/11/2019	08:56:27	0.0	0.0	0.0	0.0
156	4/11/2019	08:56:57	0.0	0.0	0.0	0.0
157	4/11/2019	08:57:27	0.0	0.0	0.0	0.0
158	4/11/2019	08:57:57	0.0	0.0	0.0	0.0
159	4/11/2019	08:58:27	0.0	0.0	0.0	0.0
160	4/11/2019	08:58:57	0.0	0.0	0.0	0.0
161	4/11/2019	08:59:27	0.0	0.0	0.0	0.0
162	4/11/2019	08:59:57	0.0	0.0	0.0	0.0
163	4/11/2019	09:00:27	0.0	0.0	0.0	0.0
164	4/11/2019	09:00:57	0.0	0.0	0.0	0.0
165	4/11/2019	09:01:27	0.0	0.0	0.0	0.0
166	4/11/2019	09:01:57	0.0	0.0	0.0	0.0
167	4/11/2019	09:02:27	0.0	0.0	0.0	0.0
168	4/11/2019	09:02:57	0.0	0.0	0.0	0.0
169	4/11/2019	09:03:27	0.0	0.0	0.0	0.0
170	4/11/2019	09:03:57	0.0	0.0	0.0	0.0
171	4/11/2019	09:04:27	0.0	0.0	0.0	0.0
172	4/11/2019	09:04:57	0.0	0.0	0.0	0.0
173	4/11/2019	09:05:27	0.0	0.0	0.0	0.0
174	4/11/2019	09:05:57	0.0	0.0	0.0	0.0
175	4/11/2019	09:06:27	0.0	0.0	0.0	0.0
176	4/11/2019	09:06:57	0.0	0.0	0.0	0.0
177	4/11/2019	09:07:27	0.0	0.0	0.0	0.0
178	4/11/2019	09:07:57	0.0	0.0	0.0	0.0

179	4/11/2019	09:08:27	0.0	0.0	0.0	0.0
180	4/11/2019	09:08:57	0.0	0.0	0.0	0.0
181	4/11/2019	09:09:27	0.0	0.0	0.0	0.0
182	4/11/2019	09:09:57	0.0	0.0	0.0	0.0
183	4/11/2019	09:10:27	0.0	0.0	0.0	0.0
184	4/11/2019	09:10:57	0.0	0.0	0.0	0.0
185	4/11/2019	09:11:27	0.0	0.0	0.0	0.0
186	4/11/2019	09:11:57	0.0	0.0	0.0	0.0
187	4/11/2019	09:12:27	0.0	0.0	0.0	0.0
188	4/11/2019	09:12:57	0.0	0.0	0.0	0.0
189	4/11/2019	09:13:27	0.0	0.0	0.0	0.0
190	4/11/2019	09:13:57	0.0	0.0	0.0	0.0
191	4/11/2019	09:14:27	0.0	0.0	0.0	0.0
192	4/11/2019	09:14:57	0.0	0.0	0.0	0.0
193	4/11/2019	09:15:27	0.0	0.0	0.0	0.0
194	4/11/2019	09:15:57	0.0	0.0	0.0	0.0
195	4/11/2019	09:16:27	0.0	0.0	0.0	0.0
196	4/11/2019	09:16:57	0.0	0.0	0.0	0.0
197	4/11/2019	09:17:27	0.0	0.0	0.0	0.0
198	4/11/2019	09:17:57	0.0	0.0	0.0	0.0
199	4/11/2019	09:18:27	0.0	0.0	0.0	0.0
200	4/11/2019	09:18:57	0.0	0.0	0.0	0.0
201	4/11/2019	09:19:27	0.0	0.0	0.0	0.0
202	4/11/2019	09:19:57	0.0	0.0	0.0	0.0
203	4/11/2019	09:20:27	0.0	0.0	0.0	0.0
204	4/11/2019	09:20:57	0.0	0.0	0.0	0.0
205	4/11/2019	09:21:27	0.0	0.0	0.0	0.0
206	4/11/2019	09:21:57	0.0	0.0	0.0	0.0
207	4/11/2019	09:22:27	0.0	0.0	0.0	0.0
208	4/11/2019	09:22:57	0.0	0.0	0.0	0.0
209	4/11/2019	09:23:27	0.0	0.0	0.0	0.0
210	4/11/2019	09:23:57	0.0	0.0	0.0	0.0
211	4/11/2019	09:24:27	0.0	0.0	0.0	0.0
212	4/11/2019	09:24:57	0.0	0.0	0.0	0.0
213	4/11/2019	09:25:27	0.0	0.0	0.0	0.0
214	4/11/2019	09:25:57	0.0	0.0	0.0	0.0
215	4/11/2019	09:26:27	0.0	0.0	0.0	0.0
216	4/11/2019	09:26:57	0.0	0.0	0.0	0.0
217	4/11/2019	09:27:27	0.0	0.0	0.0	0.0
218	4/11/2019	09:27:57	0.0	0.0	0.0	0.0
219	4/11/2019	09:28:27	0.0	0.0	0.0	0.0
220	4/11/2019	09:28:57	0.0	0.0	0.0	0.0
221	4/11/2019	09:29:27	0.0	0.0	0.0	0.0
222	4/11/2019	09:29:57	0.0	0.0	0.0	0.0
223	4/11/2019	09:30:27	0.0	0.0	0.0	0.0
224	4/11/2019	09:30:57	0.0	0.0	0.0	0.0
225	4/11/2019	09:31:27	0.0	0.0	0.0	0.0
226	4/11/2019	09:31:57	0.0	0.0	0.0	0.0
227	4/11/2019	09:32:27	0.0	0.0	0.0	0.0
228	4/11/2019	09:32:57	0.0	0.0	0.0	0.0

229	4/11/2019	09:33:27	0.0	0.0	0.0	0.0
230	4/11/2019	09:33:57	0.0	0.0	0.0	0.0
231	4/11/2019	09:34:27	0.0	0.0	0.0	0.0
232	4/11/2019	09:34:57	0.0	0.0	0.0	0.0
233	4/11/2019	09:35:27	0.0	0.0	0.0	0.0
234	4/11/2019	09:35:57	0.0	0.0	0.0	0.0
235	4/11/2019	09:36:27	0.0	0.0	0.0	0.0
236	4/11/2019	09:36:57	0.0	0.0	0.0	0.0
237	4/11/2019	09:37:27	0.0	0.0	0.0	0.0
238	4/11/2019	09:37:57	0.0	0.0	0.0	0.0
239	4/11/2019	09:38:27	0.0	0.0	0.0	0.0
240	4/11/2019	09:38:57	0.0	0.0	0.0	0.0
241	4/11/2019	09:39:27	0.0	0.0	0.0	0.0
242	4/11/2019	09:39:57	0.0	0.0	0.0	0.0
243	4/11/2019	09:40:27	0.0	0.0	0.0	0.0
244	4/11/2019	09:40:57	0.0	0.0	0.0	0.0
245	4/11/2019	09:41:27	0.0	0.0	0.0	0.0
246	4/11/2019	09:41:57	0.0	0.0	0.0	0.0
247	4/11/2019	09:42:27	0.0	0.0	0.0	0.0
248	4/11/2019	09:42:57	0.0	0.0	0.0	0.0
249	4/11/2019	09:43:27	0.0	0.0	0.0	0.0
250	4/11/2019	09:43:57	0.0	0.0	0.0	0.0
251	4/11/2019	09:44:27	0.0	0.0	0.0	0.0
252	4/11/2019	09:44:57	0.0	0.0	0.0	0.0
253	4/11/2019	09:45:27	0.0	0.0	0.0	0.0
254	4/11/2019	09:45:57	0.0	0.0	0.0	0.0
255	4/11/2019	09:46:27	0.0	0.0	0.0	0.0
256	4/11/2019	09:46:57	0.0	0.0	0.0	0.0
257	4/11/2019	09:47:27	0.0	0.0	0.0	0.0
258	4/11/2019	09:47:57	0.0	0.0	0.0	0.0
259	4/11/2019	09:48:27	0.0	0.0	0.0	0.0
260	4/11/2019	09:48:57	0.0	0.0	0.0	0.0
261	4/11/2019	09:49:27	0.0	0.0	0.0	0.0
262	4/11/2019	09:49:57	0.0	0.0	0.0	0.0
263	4/11/2019	09:50:27	0.0	0.0	0.0	0.0
264	4/11/2019	09:50:57	0.0	0.0	0.0	0.0
265	4/11/2019	09:51:27	0.0	0.0	0.0	0.0
266	4/11/2019	09:51:57	0.0	0.0	0.0	0.0
267	4/11/2019	09:52:27	0.0	0.0	0.0	0.0
268	4/11/2019	09:52:57	0.0	0.0	0.0	0.0
269	4/11/2019	09:53:27	0.0	0.0	0.0	0.0
270	4/11/2019	09:53:57	0.0	0.0	0.0	0.0
271	4/11/2019	09:54:27	0.0	0.0	0.0	0.0
272	4/11/2019	09:54:57	0.0	0.0	0.0	0.0
273	4/11/2019	09:55:27	0.0	0.0	0.0	0.0
274	4/11/2019	09:55:57	0.0	0.0	0.0	0.0
275	4/11/2019	09:56:27	0.0	0.0	0.0	0.0
276	4/11/2019	09:56:57	0.0	0.0	0.0	0.0
277	4/11/2019	09:57:27	0.0	0.0	0.0	0.0
278	4/11/2019	09:57:57	0.0	0.0	0.0	0.0

279	4/11/2019 09:58:27	0.0	0.0	0.0	0.0
280	4/11/2019 09:58:57	0.0	0.0	0.0	0.0
281	4/11/2019 09:59:27	0.0	0.0	0.0	0.0
282	4/11/2019 09:59:57	0.0	0.0	0.0	0.0
283	4/11/2019 10:00:27	0.0	0.0	0.0	0.0
284	4/11/2019 10:00:57	0.0	0.0	0.0	0.0
285	4/11/2019 10:01:27	0.0	0.0	0.0	0.0
286	4/11/2019 10:01:57	0.0	0.0	0.0	0.0
287	4/11/2019 10:02:27	0.0	0.0	0.0	0.0
288	4/11/2019 10:02:57	0.0	0.0	0.0	0.0
289	4/11/2019 10:03:27	0.0	0.0	0.0	0.0
290	4/11/2019 10:03:57	0.0	0.0	0.0	0.0
291	4/11/2019 10:04:27	0.0	0.0	0.0	0.0
292	4/11/2019 10:04:57	0.0	0.0	0.0	0.0
293	4/11/2019 10:05:27	0.0	0.0	0.0	0.0
294	4/11/2019 10:05:57	0.0	0.0	0.0	0.0
295	4/11/2019 10:06:27	0.0	0.0	0.0	0.0
296	4/11/2019 10:06:57	0.0	0.0	0.0	0.0
297	4/11/2019 10:07:27	0.0	0.0	0.0	0.0
298	4/11/2019 10:07:57	0.0	0.0	0.0	0.0
299	4/11/2019 10:08:27	0.0	0.0	0.0	0.0
300	4/11/2019 10:08:57	0.0	0.0	0.0	0.0
301	4/11/2019 10:09:27	0.0	0.0	0.0	0.0
302	4/11/2019 10:09:57	0.0	0.0	0.0	0.0
303	4/11/2019 10:10:27	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	4/11/2019 07:39:27	0.0	---
002	4/11/2019 07:39:57	0.0	---
003	4/11/2019 07:40:27	0.0	---
004	4/11/2019 07:40:57	0.0	---
005	4/11/2019 07:41:27	0.0	---
006	4/11/2019 07:41:57	0.0	---
007	4/11/2019 07:42:27	0.0	---
008	4/11/2019 07:42:57	0.0	---
009	4/11/2019 07:43:27	0.0	---
010	4/11/2019 07:43:57	0.0	---
011	4/11/2019 07:44:27	0.0	---
012	4/11/2019 07:44:57	0.0	---
013	4/11/2019 07:45:27	0.0	---
014	4/11/2019 07:45:57	0.0	---
015	4/11/2019 07:46:27	0.0	---
016	4/11/2019 07:46:57	0.0	---
017	4/11/2019 07:47:27	0.0	---

018	4/11/2019 07:47:57	0.0	---
019	4/11/2019 07:48:27	0.0	---
020	4/11/2019 07:48:57	0.0	---
021	4/11/2019 07:49:27	0.0	---
022	4/11/2019 07:49:57	0.0	---
023	4/11/2019 07:50:27	0.0	---
024	4/11/2019 07:50:57	0.0	---
025	4/11/2019 07:51:27	0.0	---
026	4/11/2019 07:51:57	0.0	---
027	4/11/2019 07:52:27	0.0	---
028	4/11/2019 07:52:57	0.0	---
029	4/11/2019 07:53:27	0.0	---
030	4/11/2019 07:53:57	0.0	0.0
031	4/11/2019 07:54:27	0.0	0.0
032	4/11/2019 07:54:57	0.0	0.0
033	4/11/2019 07:55:27	0.0	0.0
034	4/11/2019 07:55:57	0.0	0.0
035	4/11/2019 07:56:27	0.0	0.0
036	4/11/2019 07:56:57	0.0	0.0
037	4/11/2019 07:57:27	0.0	0.0
038	4/11/2019 07:57:57	0.0	0.0
039	4/11/2019 07:58:27	0.0	0.0
040	4/11/2019 07:58:57	0.0	0.0
041	4/11/2019 07:59:27	0.0	0.0
042	4/11/2019 07:59:57	0.0	0.0
043	4/11/2019 08:00:27	0.0	0.0
044	4/11/2019 08:00:57	0.0	0.0
045	4/11/2019 08:01:27	0.0	0.0
046	4/11/2019 08:01:57	0.0	0.0
047	4/11/2019 08:02:27	0.0	0.0
048	4/11/2019 08:02:57	0.0	0.0
049	4/11/2019 08:03:27	0.0	0.0
050	4/11/2019 08:03:57	0.0	0.0
051	4/11/2019 08:04:27	0.0	0.0
052	4/11/2019 08:04:57	0.0	0.0
053	4/11/2019 08:05:27	0.0	0.0
054	4/11/2019 08:05:57	0.0	0.0
055	4/11/2019 08:06:27	0.0	0.0
056	4/11/2019 08:06:57	0.0	0.0
057	4/11/2019 08:07:27	0.0	0.0
058	4/11/2019 08:07:57	0.0	0.0
059	4/11/2019 08:08:27	0.0	0.0
060	4/11/2019 08:08:57	0.0	0.0
061	4/11/2019 08:09:27	0.0	0.0
062	4/11/2019 08:09:57	0.0	0.0
063	4/11/2019 08:10:27	0.0	0.0
064	4/11/2019 08:10:57	0.0	0.0
065	4/11/2019 08:11:27	0.0	0.0
066	4/11/2019 08:11:57	0.0	0.0
067	4/11/2019 08:12:27	0.0	0.0

068	4/11/2019	08:12:57	0.0	0.0
069	4/11/2019	08:13:27	0.0	0.0
070	4/11/2019	08:13:57	0.0	0.0
071	4/11/2019	08:14:27	0.0	0.0
072	4/11/2019	08:14:57	0.0	0.0
073	4/11/2019	08:15:27	0.0	0.0
074	4/11/2019	08:15:57	0.0	0.0
075	4/11/2019	08:16:27	0.0	0.0
076	4/11/2019	08:16:57	0.0	0.0
077	4/11/2019	08:17:27	0.0	0.0
078	4/11/2019	08:17:57	0.0	0.0
079	4/11/2019	08:18:27	0.0	0.0
080	4/11/2019	08:18:57	0.0	0.0
081	4/11/2019	08:19:27	0.0	0.0
082	4/11/2019	08:19:57	0.0	0.0
083	4/11/2019	08:20:27	0.0	0.0
084	4/11/2019	08:20:57	0.0	0.0
085	4/11/2019	08:21:27	0.0	0.0
086	4/11/2019	08:21:57	0.0	0.0
087	4/11/2019	08:22:27	0.0	0.0
088	4/11/2019	08:22:57	0.0	0.0
089	4/11/2019	08:23:27	0.0	0.0
090	4/11/2019	08:23:57	0.0	0.0
091	4/11/2019	08:24:27	0.0	0.0
092	4/11/2019	08:24:57	0.0	0.0
093	4/11/2019	08:25:27	0.0	0.0
094	4/11/2019	08:25:57	0.0	0.0
095	4/11/2019	08:26:27	0.0	0.0
096	4/11/2019	08:26:57	0.0	0.0
097	4/11/2019	08:27:27	0.0	0.0
098	4/11/2019	08:27:57	0.0	0.0
099	4/11/2019	08:28:27	0.0	0.0
100	4/11/2019	08:28:57	0.0	0.0
101	4/11/2019	08:29:27	0.0	0.0
102	4/11/2019	08:29:57	0.0	0.0
103	4/11/2019	08:30:27	0.0	0.0
104	4/11/2019	08:30:57	0.0	0.0
105	4/11/2019	08:31:27	0.0	0.0
106	4/11/2019	08:31:57	0.0	0.0
107	4/11/2019	08:32:27	0.0	0.0
108	4/11/2019	08:32:57	0.0	0.0
109	4/11/2019	08:33:27	0.0	0.0
110	4/11/2019	08:33:57	0.0	0.0
111	4/11/2019	08:34:27	0.0	0.0
112	4/11/2019	08:34:57	0.0	0.0
113	4/11/2019	08:35:27	0.0	0.0
114	4/11/2019	08:35:57	0.0	0.0
115	4/11/2019	08:36:27	0.0	0.0
116	4/11/2019	08:36:57	0.0	0.0
117	4/11/2019	08:37:27	0.0	0.0

118	4/11/2019	08:37:57	0.0	0.0
119	4/11/2019	08:38:27	0.0	0.0
120	4/11/2019	08:38:57	0.0	0.0
121	4/11/2019	08:39:27	0.0	0.0
122	4/11/2019	08:39:57	0.0	0.0
123	4/11/2019	08:40:27	0.0	0.0
124	4/11/2019	08:40:57	0.0	0.0
125	4/11/2019	08:41:27	0.0	0.0
126	4/11/2019	08:41:57	0.0	0.0
127	4/11/2019	08:42:27	0.0	0.0
128	4/11/2019	08:42:57	0.0	0.0
129	4/11/2019	08:43:27	0.0	0.0
130	4/11/2019	08:43:57	0.0	0.0
131	4/11/2019	08:44:27	0.0	0.0
132	4/11/2019	08:44:57	0.0	0.0
133	4/11/2019	08:45:27	0.0	0.0
134	4/11/2019	08:45:57	0.0	0.0
135	4/11/2019	08:46:27	0.0	0.0
136	4/11/2019	08:46:57	0.0	0.0
137	4/11/2019	08:47:27	0.0	0.0
138	4/11/2019	08:47:57	0.0	0.0
139	4/11/2019	08:48:27	0.0	0.0
140	4/11/2019	08:48:57	0.0	0.0
141	4/11/2019	08:49:27	0.0	0.0
142	4/11/2019	08:49:57	0.0	0.0
143	4/11/2019	08:50:27	0.0	0.0
144	4/11/2019	08:50:57	0.0	0.0
145	4/11/2019	08:51:27	0.0	0.0
146	4/11/2019	08:51:57	0.0	0.0
147	4/11/2019	08:52:27	0.0	0.0
148	4/11/2019	08:52:57	0.0	0.0
149	4/11/2019	08:53:27	0.0	0.0
150	4/11/2019	08:53:57	0.0	0.0
151	4/11/2019	08:54:27	0.0	0.0
152	4/11/2019	08:54:57	0.0	0.0
153	4/11/2019	08:55:27	0.0	0.0
154	4/11/2019	08:55:57	0.0	0.0
155	4/11/2019	08:56:27	0.0	0.0
156	4/11/2019	08:56:57	0.0	0.0
157	4/11/2019	08:57:27	0.0	0.0
158	4/11/2019	08:57:57	0.0	0.0
159	4/11/2019	08:58:27	0.0	0.0
160	4/11/2019	08:58:57	0.0	0.0
161	4/11/2019	08:59:27	0.0	0.0
162	4/11/2019	08:59:57	0.0	0.0
163	4/11/2019	09:00:27	0.0	0.0
164	4/11/2019	09:00:57	0.0	0.0
165	4/11/2019	09:01:27	0.0	0.0
166	4/11/2019	09:01:57	0.0	0.0
167	4/11/2019	09:02:27	0.0	0.0

168	4/11/2019 09:02:57	0.0	0.0
169	4/11/2019 09:03:27	0.0	0.0
170	4/11/2019 09:03:57	0.0	0.0
171	4/11/2019 09:04:27	0.0	0.0
172	4/11/2019 09:04:57	0.0	0.0
173	4/11/2019 09:05:27	0.0	0.0
174	4/11/2019 09:05:57	0.0	0.0
175	4/11/2019 09:06:27	0.0	0.0
176	4/11/2019 09:06:57	0.0	0.0
177	4/11/2019 09:07:27	0.0	0.0
178	4/11/2019 09:07:57	0.0	0.0
179	4/11/2019 09:08:27	0.0	0.0
180	4/11/2019 09:08:57	0.0	0.0
181	4/11/2019 09:09:27	0.0	0.0
182	4/11/2019 09:09:57	0.0	0.0
183	4/11/2019 09:10:27	0.0	0.0
184	4/11/2019 09:10:57	0.0	0.0
185	4/11/2019 09:11:27	0.0	0.0
186	4/11/2019 09:11:57	0.0	0.0
187	4/11/2019 09:12:27	0.0	0.0
188	4/11/2019 09:12:57	0.0	0.0
189	4/11/2019 09:13:27	0.0	0.0
190	4/11/2019 09:13:57	0.0	0.0
191	4/11/2019 09:14:27	0.0	0.0
192	4/11/2019 09:14:57	0.0	0.0
193	4/11/2019 09:15:27	0.0	0.0
194	4/11/2019 09:15:57	0.0	0.0
195	4/11/2019 09:16:27	0.0	0.0
196	4/11/2019 09:16:57	0.0	0.0
197	4/11/2019 09:17:27	0.0	0.0
198	4/11/2019 09:17:57	0.0	0.0
199	4/11/2019 09:18:27	0.0	0.0
200	4/11/2019 09:18:57	0.0	0.0
201	4/11/2019 09:19:27	0.0	0.0
202	4/11/2019 09:19:57	0.0	0.0
203	4/11/2019 09:20:27	0.0	0.0
204	4/11/2019 09:20:57	0.0	0.0
205	4/11/2019 09:21:27	0.0	0.0
206	4/11/2019 09:21:57	0.0	0.0
207	4/11/2019 09:22:27	0.0	0.0
208	4/11/2019 09:22:57	0.0	0.0
209	4/11/2019 09:23:27	0.0	0.0
210	4/11/2019 09:23:57	0.0	0.0
211	4/11/2019 09:24:27	0.0	0.0
212	4/11/2019 09:24:57	0.0	0.0
213	4/11/2019 09:25:27	0.0	0.0
214	4/11/2019 09:25:57	0.0	0.0
215	4/11/2019 09:26:27	0.0	0.0
216	4/11/2019 09:26:57	0.0	0.0
217	4/11/2019 09:27:27	0.0	0.0

218	4/11/2019 09:27:57	0.0	0.0
219	4/11/2019 09:28:27	0.0	0.0
220	4/11/2019 09:28:57	0.0	0.0
221	4/11/2019 09:29:27	0.0	0.0
222	4/11/2019 09:29:57	0.0	0.0
223	4/11/2019 09:30:27	0.0	0.0
224	4/11/2019 09:30:57	0.0	0.0
225	4/11/2019 09:31:27	0.0	0.0
226	4/11/2019 09:31:57	0.0	0.0
227	4/11/2019 09:32:27	0.0	0.0
228	4/11/2019 09:32:57	0.0	0.0
229	4/11/2019 09:33:27	0.0	0.0
230	4/11/2019 09:33:57	0.0	0.0
231	4/11/2019 09:34:27	0.0	0.0
232	4/11/2019 09:34:57	0.0	0.0
233	4/11/2019 09:35:27	0.0	0.0
234	4/11/2019 09:35:57	0.0	0.0
235	4/11/2019 09:36:27	0.0	0.0
236	4/11/2019 09:36:57	0.0	0.0
237	4/11/2019 09:37:27	0.0	0.0
238	4/11/2019 09:37:57	0.0	0.0
239	4/11/2019 09:38:27	0.0	0.0
240	4/11/2019 09:38:57	0.0	0.0
241	4/11/2019 09:39:27	0.0	0.0
242	4/11/2019 09:39:57	0.0	0.0
243	4/11/2019 09:40:27	0.0	0.0
244	4/11/2019 09:40:57	0.0	0.0
245	4/11/2019 09:41:27	0.0	0.0
246	4/11/2019 09:41:57	0.0	0.0
247	4/11/2019 09:42:27	0.0	0.0
248	4/11/2019 09:42:57	0.0	0.0
249	4/11/2019 09:43:27	0.0	0.0
250	4/11/2019 09:43:57	0.0	0.0
251	4/11/2019 09:44:27	0.0	0.0
252	4/11/2019 09:44:57	0.0	0.0
253	4/11/2019 09:45:27	0.0	0.0
254	4/11/2019 09:45:57	0.0	0.0
255	4/11/2019 09:46:27	0.0	0.0
256	4/11/2019 09:46:57	0.0	0.0
257	4/11/2019 09:47:27	0.0	0.0
258	4/11/2019 09:47:57	0.0	0.0
259	4/11/2019 09:48:27	0.0	0.0
260	4/11/2019 09:48:57	0.0	0.0
261	4/11/2019 09:49:27	0.0	0.0
262	4/11/2019 09:49:57	0.0	0.0
263	4/11/2019 09:50:27	0.0	0.0
264	4/11/2019 09:50:57	0.0	0.0
265	4/11/2019 09:51:27	0.0	0.0
266	4/11/2019 09:51:57	0.0	0.0
267	4/11/2019 09:52:27	0.0	0.0

268	4/11/2019 09:52:57	0.0	0.0
269	4/11/2019 09:53:27	0.0	0.0
270	4/11/2019 09:53:57	0.0	0.0
271	4/11/2019 09:54:27	0.0	0.0
272	4/11/2019 09:54:57	0.0	0.0
273	4/11/2019 09:55:27	0.0	0.0
274	4/11/2019 09:55:57	0.0	0.0
275	4/11/2019 09:56:27	0.0	0.0
276	4/11/2019 09:56:57	0.0	0.0
277	4/11/2019 09:57:27	0.0	0.0
278	4/11/2019 09:57:57	0.0	0.0
279	4/11/2019 09:58:27	0.0	0.0
280	4/11/2019 09:58:57	0.0	0.0
281	4/11/2019 09:59:27	0.0	0.0
282	4/11/2019 09:59:57	0.0	0.0
283	4/11/2019 10:00:27	0.0	0.0
284	4/11/2019 10:00:57	0.0	0.0
285	4/11/2019 10:01:27	0.0	0.0
286	4/11/2019 10:01:57	0.0	0.0
287	4/11/2019 10:02:27	0.0	0.0
288	4/11/2019 10:02:57	0.0	0.0
289	4/11/2019 10:03:27	0.0	0.0
290	4/11/2019 10:03:57	0.0	0.0
291	4/11/2019 10:04:27	0.0	0.0
292	4/11/2019 10:04:57	0.0	0.0
293	4/11/2019 10:05:27	0.0	0.0
294	4/11/2019 10:05:57	0.0	0.0
295	4/11/2019 10:06:27	0.0	0.0
296	4/11/2019 10:06:57	0.0	0.0
297	4/11/2019 10:07:27	0.0	0.0
298	4/11/2019 10:07:57	0.0	0.0
299	4/11/2019 10:08:27	0.0	0.0
300	4/11/2019 10:08:57	0.0	0.0
301	4/11/2019 10:09:27	0.0	0.0
302	4/11/2019 10:09:57	0.0	0.0
303	4/11/2019 10:10:27	0.0	0.0

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19/04/12 07:44

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-908425

Unit Firmware Ver V2.16

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Pause in Menu Mode

Site ID PES00000
User ID PES00000

Begin 4/12/2019 07:44:24
End 4/12/2019 07:44:27
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/11/2019 07:34

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Datalog

0 record.

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19/04/12 08:50
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/12/2019 08:50:49
End 4/12/2019 11:43:15
Sample Period(s) 30
Number of Records 344

Sensor PID(ppm)
Sensor SN S0?3030298V9

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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/11/2019 07:34
Peak 0.3
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/12/2019 08:51:19	0.0	0.0	0.0	0.0	
002	4/12/2019 08:51:49	0.0	0.0	0.0	0.0	
003	4/12/2019 08:52:19	0.0	0.0	0.0	0.0	
004	4/12/2019 08:52:49	0.0	0.0	0.0	0.0	
005	4/12/2019 08:53:19	0.0	0.0	0.0	0.0	
006	4/12/2019 08:53:49	0.0	0.0	0.0	0.0	
007	4/12/2019 08:54:19	0.0	0.0	0.0	0.0	
008	4/12/2019 08:54:49	0.0	0.0	0.0	0.0	
009	4/12/2019 08:55:19	0.0	0.0	0.0	0.0	
010	4/12/2019 08:55:49	0.0	0.0	0.0	0.0	
011	4/12/2019 08:56:19	0.0	0.0	0.0	0.0	
012	4/12/2019 08:56:49	0.0	0.0	0.2	0.0	
013	4/12/2019 08:57:19	0.0	0.0	0.0	0.0	
014	4/12/2019 08:57:49	0.0	0.0	0.0	0.0	
015	4/12/2019 08:58:19	0.0	0.0	0.0	0.0	
016	4/12/2019 08:58:49	0.0	0.0	0.0	0.0	
017	4/12/2019 08:59:19	0.0	0.0	0.0	0.0	
018	4/12/2019 08:59:49	0.0	0.0	0.0	0.0	
019	4/12/2019 09:00:19	0.0	0.0	0.0	0.0	
020	4/12/2019 09:00:49	0.0	0.0	0.0	0.0	
021	4/12/2019 09:01:19	0.0	0.0	0.0	0.0	
022	4/12/2019 09:01:49	0.0	0.0	0.0	0.0	
023	4/12/2019 09:02:19	0.0	0.0	0.0	0.0	
024	4/12/2019 09:02:49	0.0	0.0	0.0	0.0	
025	4/12/2019 09:03:19	0.0	0.0	0.0	0.0	
026	4/12/2019 09:03:49	0.0	0.0	0.1	0.1	
027	4/12/2019 09:04:19	0.0	0.1	0.2	0.0	
028	4/12/2019 09:04:49	0.0	0.0	0.0	0.0	
029	4/12/2019 09:05:19	0.0	0.0	0.0	0.0	
030	4/12/2019 09:05:49	0.0	0.0	0.0	0.0	
031	4/12/2019 09:06:19	0.0	0.0	0.0	0.0	
032	4/12/2019 09:06:49	0.0	0.0	0.0	0.0	

033	4/12/2019	09:07:19	0.0	0.0	0.0	0.0
034	4/12/2019	09:07:49	0.0	0.0	0.0	0.0
035	4/12/2019	09:08:19	0.0	0.0	0.0	0.0
036	4/12/2019	09:08:49	0.0	0.0	0.0	0.0
037	4/12/2019	09:09:19	0.0	0.0	0.0	0.0
038	4/12/2019	09:09:49	0.0	0.0	0.0	0.0
039	4/12/2019	09:10:19	0.0	0.0	0.0	0.0
040	4/12/2019	09:10:49	0.0	0.0	0.0	0.0
041	4/12/2019	09:11:19	0.0	0.0	0.0	0.0
042	4/12/2019	09:11:49	0.0	0.0	0.1	0.1
043	4/12/2019	09:12:19	0.0	0.1	0.5	0.0
044	4/12/2019	09:12:49	0.0	0.0	0.2	0.1
045	4/12/2019	09:13:19	0.0	0.0	0.0	0.0
046	4/12/2019	09:13:49	0.0	0.0	0.0	0.0
047	4/12/2019	09:14:19	0.0	0.0	0.0	0.0
048	4/12/2019	09:14:49	0.0	0.0	0.0	0.0
049	4/12/2019	09:15:19	0.0	0.0	0.0	0.0
050	4/12/2019	09:15:49	0.0	0.0	0.0	0.0
051	4/12/2019	09:16:19	0.0	0.0	0.0	0.0
052	4/12/2019	09:16:49	0.0	0.0	0.0	0.0
053	4/12/2019	09:17:19	0.0	0.0	0.0	0.0
054	4/12/2019	09:17:49	0.0	0.0	0.1	0.1
055	4/12/2019	09:18:19	0.0	0.1	0.4	0.0
056	4/12/2019	09:18:49	0.0	0.0	0.0	0.0
057	4/12/2019	09:19:19	0.0	0.0	0.0	0.0
058	4/12/2019	09:19:49	0.0	0.1	0.3	0.0
059	4/12/2019	09:20:19	0.0	0.0	0.1	0.0
060	4/12/2019	09:20:49	0.0	0.0	0.0	0.0
061	4/12/2019	09:21:19	0.0	0.1	0.3	0.0
062	4/12/2019	09:21:49	0.0	0.0	0.0	0.0
063	4/12/2019	09:22:19	0.0	0.0	0.1	0.1
064	4/12/2019	09:22:49	0.0	0.3	1.2	0.0
065	4/12/2019	09:23:19	0.0	0.0	0.0	0.0
066	4/12/2019	09:23:49	0.0	0.0	0.0	0.0
067	4/12/2019	09:24:19	0.0	0.0	0.2	0.0
068	4/12/2019	09:24:49	0.0	0.1	0.5	0.0
069	4/12/2019	09:25:19	0.0	0.0	0.2	0.0
070	4/12/2019	09:25:49	0.0	0.0	0.1	0.0
071	4/12/2019	09:26:19	0.0	0.0	0.0	0.0
072	4/12/2019	09:26:49	0.0	0.0	0.0	0.0
073	4/12/2019	09:27:19	0.0	0.0	0.0	0.0
074	4/12/2019	09:27:49	0.0	0.0	0.0	0.0
075	4/12/2019	09:28:19	0.0	0.0	0.0	0.0
076	4/12/2019	09:28:49	0.0	0.0	0.0	0.0
077	4/12/2019	09:29:19	0.0	0.0	0.0	0.0
078	4/12/2019	09:29:49	0.0	0.0	0.0	0.0
079	4/12/2019	09:30:19	0.0	0.0	0.0	0.0
080	4/12/2019	09:30:49	0.0	0.0	0.0	0.0
081	4/12/2019	09:31:19	0.0	0.0	0.0	0.0
082	4/12/2019	09:31:49	0.0	0.0	0.0	0.0

083	4/12/2019	09:32:19	0.0	0.0	0.0	0.0
084	4/12/2019	09:32:49	0.0	0.0	0.0	0.0
085	4/12/2019	09:33:19	0.0	0.0	0.0	0.0
086	4/12/2019	09:33:49	0.0	0.0	0.1	0.0
087	4/12/2019	09:34:19	0.0	0.0	0.0	0.0
088	4/12/2019	09:34:49	0.0	0.0	0.0	0.0
089	4/12/2019	09:35:19	0.0	0.0	0.0	0.0
090	4/12/2019	09:35:49	0.0	0.0	0.0	0.0
091	4/12/2019	09:36:19	0.0	0.0	0.0	0.0
092	4/12/2019	09:36:49	0.0	0.0	0.0	0.0
093	4/12/2019	09:37:19	0.0	0.0	0.0	0.0
094	4/12/2019	09:37:49	0.0	0.0	0.0	0.0
095	4/12/2019	09:38:19	0.0	0.2	0.6	0.0
096	4/12/2019	09:38:49	0.0	0.0	0.0	0.0
097	4/12/2019	09:39:19	0.0	0.0	0.0	0.0
098	4/12/2019	09:39:49	0.0	0.0	0.0	0.0
099	4/12/2019	09:40:19	0.0	0.3	0.6	0.3
100	4/12/2019	09:40:49	0.0	0.0	0.3	0.0
101	4/12/2019	09:41:19	0.0	0.0	0.0	0.0
102	4/12/2019	09:41:49	0.0	0.0	0.0	0.0
103	4/12/2019	09:42:19	0.0	0.0	0.0	0.0
104	4/12/2019	09:42:49	0.0	0.0	0.0	0.0
105	4/12/2019	09:43:19	0.0	0.0	0.0	0.0
106	4/12/2019	09:43:49	0.0	0.0	0.0	0.0
107	4/12/2019	09:44:19	0.0	0.0	0.0	0.0
108	4/12/2019	09:44:49	0.0	0.0	0.0	0.0
109	4/12/2019	09:45:19	0.0	0.0	0.0	0.0
110	4/12/2019	09:45:49	0.0	0.0	0.0	0.0
111	4/12/2019	09:46:19	0.0	0.0	0.0	0.0
112	4/12/2019	09:46:49	0.0	0.0	0.0	0.0
113	4/12/2019	09:47:19	0.0	0.0	0.0	0.0
114	4/12/2019	09:47:49	0.0	0.0	0.0	0.0
115	4/12/2019	09:48:19	0.0	0.0	0.0	0.0
116	4/12/2019	09:48:49	0.0	0.0	0.0	0.0
117	4/12/2019	09:49:19	0.0	0.0	0.0	0.0
118	4/12/2019	09:49:49	0.0	0.0	0.0	0.0
119	4/12/2019	09:50:19	0.0	0.0	0.0	0.0
120	4/12/2019	09:50:49	0.0	0.0	0.0	0.0
121	4/12/2019	09:51:19	0.0	0.0	0.0	0.0
122	4/12/2019	09:51:49	0.0	0.0	0.0	0.0
123	4/12/2019	09:52:19	0.0	0.0	0.0	0.0
124	4/12/2019	09:52:49	0.0	0.0	0.0	0.0
125	4/12/2019	09:53:19	0.0	0.0	0.0	0.0
126	4/12/2019	09:53:49	0.0	0.0	0.0	0.0
127	4/12/2019	09:54:19	0.0	0.0	0.0	0.0
128	4/12/2019	09:54:49	0.0	0.0	0.0	0.0
129	4/12/2019	09:55:19	0.0	0.0	0.0	0.0
130	4/12/2019	09:55:49	0.0	0.0	0.0	0.0
131	4/12/2019	09:56:19	0.0	0.0	0.0	0.0
132	4/12/2019	09:56:49	0.0	0.0	0.0	0.0

133	4/12/2019	09:57:19	0.0	0.0	0.0	0.0
134	4/12/2019	09:57:49	0.0	0.0	0.0	0.0
135	4/12/2019	09:58:19	0.0	0.0	0.0	0.0
136	4/12/2019	09:58:49	0.0	0.0	0.0	0.0
137	4/12/2019	09:59:19	0.0	0.0	0.0	0.0
138	4/12/2019	09:59:49	0.0	0.0	0.0	0.0
139	4/12/2019	10:00:19	0.0	0.1	0.4	0.3
140	4/12/2019	10:00:49	0.0	0.1	0.3	0.0
141	4/12/2019	10:01:19	0.0	0.1	0.3	0.0
142	4/12/2019	10:01:49	0.0	0.0	0.1	0.1
143	4/12/2019	10:02:19	0.0	0.0	0.1	0.0
144	4/12/2019	10:02:49	0.0	0.0	0.0	0.0
145	4/12/2019	10:03:19	0.0	0.0	0.0	0.0
146	4/12/2019	10:03:49	0.0	0.0	0.0	0.0
147	4/12/2019	10:04:19	0.0	0.0	0.0	0.0
148	4/12/2019	10:04:49	0.0	0.0	0.0	0.0
149	4/12/2019	10:05:19	0.0	0.0	0.0	0.0
150	4/12/2019	10:05:49	0.0	0.0	0.0	0.0
151	4/12/2019	10:06:19	0.0	0.0	0.0	0.0
152	4/12/2019	10:06:49	0.0	0.0	0.0	0.0
153	4/12/2019	10:07:19	0.0	0.0	0.0	0.0
154	4/12/2019	10:07:49	0.0	0.0	0.0	0.0
155	4/12/2019	10:08:19	0.0	0.0	0.0	0.0
156	4/12/2019	10:08:49	0.0	0.0	0.0	0.0
157	4/12/2019	10:09:19	0.0	0.0	0.0	0.0
158	4/12/2019	10:09:49	0.0	0.0	0.0	0.0
159	4/12/2019	10:10:19	0.0	0.0	0.0	0.0
160	4/12/2019	10:10:49	0.0	0.0	0.0	0.0
161	4/12/2019	10:11:19	0.0	0.0	0.0	0.0
162	4/12/2019	10:11:49	0.0	0.0	0.1	0.0
163	4/12/2019	10:12:19	0.0	0.1	0.4	0.0
164	4/12/2019	10:12:49	0.0	0.0	0.0	0.0
165	4/12/2019	10:13:19	0.0	0.0	0.1	0.0
166	4/12/2019	10:13:49	0.0	0.1	0.4	0.0
167	4/12/2019	10:14:19	0.0	0.0	0.1	0.0
168	4/12/2019	10:14:49	0.0	0.0	0.0	0.0
169	4/12/2019	10:15:19	0.0	0.0	0.0	0.0
170	4/12/2019	10:15:49	0.0	0.0	0.0	0.0
171	4/12/2019	10:16:19	0.0	0.0	0.0	0.0
172	4/12/2019	10:16:49	0.0	0.0	0.0	0.0
173	4/12/2019	10:17:19	0.0	0.0	0.0	0.0
174	4/12/2019	10:17:49	0.0	0.0	0.1	0.1
175	4/12/2019	10:18:19	0.0	0.1	0.2	0.0
176	4/12/2019	10:18:49	0.0	0.0	0.0	0.0
177	4/12/2019	10:19:19	0.0	0.0	0.0	0.0
178	4/12/2019	10:19:49	0.0	0.0	0.0	0.0
179	4/12/2019	10:20:19	0.0	0.0	0.0	0.0
180	4/12/2019	10:20:49	0.0	0.0	0.0	0.0
181	4/12/2019	10:21:19	0.0	0.0	0.0	0.0
182	4/12/2019	10:21:49	0.0	0.0	0.0	0.0

183	4/12/2019	10:22:19	0.0	0.0	0.0	0.0
184	4/12/2019	10:22:49	0.0	0.0	0.0	0.0
185	4/12/2019	10:23:19	0.0	0.1	0.5	0.0
186	4/12/2019	10:23:49	0.0	0.0	0.1	0.0
187	4/12/2019	10:24:19	0.0	0.1	0.3	0.0
188	4/12/2019	10:24:49	0.0	0.0	0.0	0.0
189	4/12/2019	10:25:19	0.0	0.0	0.0	0.0
190	4/12/2019	10:25:49	0.0	0.1	0.4	0.0
191	4/12/2019	10:26:19	0.0	0.0	0.0	0.0
192	4/12/2019	10:26:49	0.0	0.0	0.0	0.0
193	4/12/2019	10:27:19	0.0	0.0	0.0	0.0
194	4/12/2019	10:27:49	0.0	0.0	0.1	0.0
195	4/12/2019	10:28:19	0.0	0.0	0.0	0.0
196	4/12/2019	10:28:49	0.0	0.0	0.0	0.0
197	4/12/2019	10:29:19	0.0	0.0	0.0	0.0
198	4/12/2019	10:29:49	0.0	0.0	0.0	0.0
199	4/12/2019	10:30:19	0.0	0.0	0.1	0.1
200	4/12/2019	10:30:49	0.0	0.0	0.1	0.0
201	4/12/2019	10:31:19	0.0	0.0	0.0	0.0
202	4/12/2019	10:31:49	0.0	0.0	0.0	0.0
203	4/12/2019	10:32:19	0.0	0.0	0.0	0.0
204	4/12/2019	10:32:49	0.0	0.0	0.0	0.0
205	4/12/2019	10:33:19	0.0	0.0	0.2	0.1
206	4/12/2019	10:33:49	0.0	0.2	0.7	0.3
207	4/12/2019	10:34:19	0.0	0.0	0.2	0.0
208	4/12/2019	10:34:49	0.0	0.0	0.0	0.0
209	4/12/2019	10:35:19	0.0	0.0	0.0	0.0
210	4/12/2019	10:35:49	0.0	0.0	0.0	0.0
211	4/12/2019	10:36:19	0.0	0.0	0.0	0.0
212	4/12/2019	10:36:49	0.0	0.1	0.2	0.1
213	4/12/2019	10:37:19	0.0	0.0	0.1	0.0
214	4/12/2019	10:37:49	0.0	0.0	0.1	0.1
215	4/12/2019	10:38:19	0.0	0.1	0.3	0.1
216	4/12/2019	10:38:49	0.0	0.1	0.2	0.2
217	4/12/2019	10:39:19	0.0	0.2	0.4	0.1
218	4/12/2019	10:39:49	0.0	0.1	0.1	0.0
219	4/12/2019	10:40:19	0.0	0.0	0.0	0.0
220	4/12/2019	10:40:49	0.0	0.1	0.1	0.0
221	4/12/2019	10:41:19	0.0	0.0	0.1	0.0
222	4/12/2019	10:41:49	0.0	0.0	0.0	0.0
223	4/12/2019	10:42:19	0.0	0.0	0.1	0.0
224	4/12/2019	10:42:49	0.0	0.0	0.0	0.0
225	4/12/2019	10:43:19	0.0	0.0	0.1	0.0
226	4/12/2019	10:43:49	0.0	0.0	0.0	0.0
227	4/12/2019	10:44:19	0.0	0.0	0.1	0.0
228	4/12/2019	10:44:49	0.0	0.0	0.0	0.0
229	4/12/2019	10:45:19	0.0	0.0	0.0	0.0
230	4/12/2019	10:45:49	0.0	0.0	0.1	0.1
231	4/12/2019	10:46:19	0.0	0.1	0.4	0.0
232	4/12/2019	10:46:49	0.0	0.0	0.2	0.2

233	4/12/2019	10:47:19	0.0	0.1	0.3	0.1
234	4/12/2019	10:47:49	0.0	0.0	0.1	0.0
235	4/12/2019	10:48:19	0.0	0.0	0.0	0.0
236	4/12/2019	10:48:49	0.0	0.0	0.0	0.0
237	4/12/2019	10:49:19	0.0	0.0	0.0	0.0
238	4/12/2019	10:49:49	0.0	0.0	0.1	0.0
239	4/12/2019	10:50:19	0.0	0.0	0.0	0.0
240	4/12/2019	10:50:49	0.0	0.0	0.1	0.0
241	4/12/2019	10:51:19	0.0	0.0	0.0	0.0
242	4/12/2019	10:51:49	0.0	0.0	0.1	0.1
243	4/12/2019	10:52:19	0.0	0.1	0.1	0.0
244	4/12/2019	10:52:49	0.0	0.0	0.0	0.0
245	4/12/2019	10:53:19	0.0	0.2	0.7	0.2
246	4/12/2019	10:53:49	0.0	0.1	0.2	0.0
247	4/12/2019	10:54:19	0.0	0.1	0.2	0.0
248	4/12/2019	10:54:49	0.0	0.1	0.1	0.1
249	4/12/2019	10:55:19	0.1	0.1	0.2	0.1
250	4/12/2019	10:55:49	0.1	0.1	0.1	0.1
251	4/12/2019	10:56:19	0.0	0.1	0.1	0.1
252	4/12/2019	10:56:49	0.1	0.1	0.1	0.1
253	4/12/2019	10:57:19	0.0	0.1	0.1	0.0
254	4/12/2019	10:57:49	0.0	0.0	0.0	0.0
255	4/12/2019	10:58:19	0.0	0.0	0.0	0.0
256	4/12/2019	10:58:49	0.0	0.0	0.0	0.0
257	4/12/2019	10:59:19	0.0	0.0	0.0	0.0
258	4/12/2019	10:59:49	0.0	0.0	0.0	0.0
259	4/12/2019	11:00:19	0.0	0.0	0.0	0.0
260	4/12/2019	11:00:49	0.0	0.0	0.0	0.0
261	4/12/2019	11:01:19	0.0	0.0	0.0	0.0
262	4/12/2019	11:01:49	0.0	0.0	0.0	0.0
263	4/12/2019	11:02:19	0.0	0.0	0.0	0.0
264	4/12/2019	11:02:49	0.0	0.1	0.1	0.1
265	4/12/2019	11:03:19	0.0	0.0	0.1	0.1
266	4/12/2019	11:03:49	0.1	0.1	0.1	0.1
267	4/12/2019	11:04:19	0.1	0.1	0.1	0.1
268	4/12/2019	11:04:49	0.0	0.0	0.1	0.1
269	4/12/2019	11:05:19	0.0	0.0	0.1	0.0
270	4/12/2019	11:05:49	0.0	0.0	0.1	0.0
271	4/12/2019	11:06:19	0.0	0.0	0.0	0.0
272	4/12/2019	11:06:49	0.0	0.0	0.0	0.0
273	4/12/2019	11:07:19	0.0	0.0	0.0	0.0
274	4/12/2019	11:07:49	0.0	0.0	0.0	0.0
275	4/12/2019	11:08:19	0.0	0.0	0.1	0.1
276	4/12/2019	11:08:49	0.0	0.0	0.1	0.0
277	4/12/2019	11:09:19	0.0	0.0	0.0	0.0
278	4/12/2019	11:09:49	0.0	0.0	0.0	0.0
279	4/12/2019	11:10:19	0.0	0.1	0.2	0.1
280	4/12/2019	11:10:49	0.1	0.1	0.1	0.1
281	4/12/2019	11:11:19	0.1	0.1	0.1	0.1
282	4/12/2019	11:11:49	0.1	0.1	0.1	0.1

283	4/12/2019	11:12:19	0.1	0.1	0.1	0.1
284	4/12/2019	11:12:49	0.1	0.1	0.1	0.1
285	4/12/2019	11:13:19	0.1	0.1	0.1	0.1
286	4/12/2019	11:13:49	0.1	0.1	0.1	0.1
287	4/12/2019	11:14:19	0.1	0.1	0.1	0.1
288	4/12/2019	11:14:49	0.1	0.1	0.1	0.1
289	4/12/2019	11:15:19	0.1	0.1	0.1	0.1
290	4/12/2019	11:15:49	0.1	0.1	0.1	0.1
291	4/12/2019	11:16:19	0.1	0.1	0.1	0.1
292	4/12/2019	11:16:49	0.1	0.1	0.1	0.1
293	4/12/2019	11:17:19	0.1	0.1	0.1	0.1
294	4/12/2019	11:17:49	0.1	0.1	0.1	0.1
295	4/12/2019	11:18:19	0.1	0.1	0.1	0.1
296	4/12/2019	11:18:49	0.1	0.1	0.1	0.1
297	4/12/2019	11:19:19	0.1	0.1	0.3	0.1
298	4/12/2019	11:19:49	0.1	0.1	0.2	0.2
299	4/12/2019	11:20:19	0.1	0.1	0.1	0.1
300	4/12/2019	11:20:49	0.1	0.1	0.1	0.1
301	4/12/2019	11:21:19	0.1	0.1	0.1	0.1
302	4/12/2019	11:21:49	0.1	0.1	0.2	0.1
303	4/12/2019	11:22:19	0.1	0.1	0.1	0.1
304	4/12/2019	11:22:49	0.1	0.1	0.1	0.1
305	4/12/2019	11:23:19	0.1	0.1	0.1	0.1
306	4/12/2019	11:23:49	0.1	0.1	0.1	0.1
307	4/12/2019	11:24:19	0.1	0.1	0.1	0.1
308	4/12/2019	11:24:49	0.1	0.1	0.1	0.1
309	4/12/2019	11:25:19	0.1	0.1	0.1	0.1
310	4/12/2019	11:25:49	0.1	0.1	0.1	0.1
311	4/12/2019	11:26:19	0.1	0.1	0.1	0.1
312	4/12/2019	11:26:49	0.1	0.1	0.1	0.1
313	4/12/2019	11:27:19	0.1	0.1	0.1	0.1
314	4/12/2019	11:27:49	0.1	0.1	0.1	0.1
315	4/12/2019	11:28:19	0.1	0.1	0.2	0.1
316	4/12/2019	11:28:49	0.1	0.1	0.1	0.1
317	4/12/2019	11:29:19	0.1	0.1	0.1	0.1
318	4/12/2019	11:29:49	0.1	0.1	0.1	0.1
319	4/12/2019	11:30:19	0.1	0.1	0.1	0.1
320	4/12/2019	11:30:49	0.1	0.1	0.1	0.1
321	4/12/2019	11:31:19	0.1	0.1	0.1	0.1
322	4/12/2019	11:31:49	0.1	0.1	0.1	0.1
323	4/12/2019	11:32:19	0.1	0.1	0.1	0.1
324	4/12/2019	11:32:49	0.1	0.1	0.1	0.1
325	4/12/2019	11:33:19	0.1	0.1	0.1	0.1
326	4/12/2019	11:33:49	0.1	0.1	0.1	0.1
327	4/12/2019	11:34:19	0.1	0.1	0.1	0.1
328	4/12/2019	11:34:49	0.1	0.1	0.2	0.1
329	4/12/2019	11:35:19	0.1	0.1	0.2	0.1
330	4/12/2019	11:35:49	0.1	0.1	0.1	0.1
331	4/12/2019	11:36:19	0.1	0.1	0.1	0.1
332	4/12/2019	11:36:49	0.1	0.1	0.1	0.1

333	4/12/2019	11:37:19	0.1	0.1	0.1	0.1
334	4/12/2019	11:37:49	0.1	0.1	0.1	0.1
335	4/12/2019	11:38:19	0.1	0.1	0.1	0.1
336	4/12/2019	11:38:49	0.1	0.1	0.1	0.1
337	4/12/2019	11:39:19	0.1	0.1	0.1	0.1
338	4/12/2019	11:39:49	0.1	0.1	0.1	0.1
339	4/12/2019	11:40:19	0.1	0.1	0.1	0.1
340	4/12/2019	11:40:49	0.1	0.1	0.1	0.1
341	4/12/2019	11:41:19	0.1	0.1	0.1	0.1
342	4/12/2019	11:41:49	0.1	0.1	0.1	0.1
343	4/12/2019	11:42:19	0.1	0.1	0.1	0.1
344	4/12/2019	11:42:49	0.1	0.1	0.1	0.1
Peak			0.1	0.3	1.2	0.3
Min			0.0	0.0	0.0	0.0
Average			0.0	0.0	0.1	0.0

****

TWA/STEL

Index	Date/Time		PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/12/2019	08:51:19	0.0	---
002	4/12/2019	08:51:49	0.0	---
003	4/12/2019	08:52:19	0.0	---
004	4/12/2019	08:52:49	0.0	---
005	4/12/2019	08:53:19	0.0	---
006	4/12/2019	08:53:49	0.0	---
007	4/12/2019	08:54:19	0.0	---
008	4/12/2019	08:54:49	0.0	---
009	4/12/2019	08:55:19	0.0	---
010	4/12/2019	08:55:49	0.0	---
011	4/12/2019	08:56:19	0.0	---
012	4/12/2019	08:56:49	0.0	---
013	4/12/2019	08:57:19	0.0	---
014	4/12/2019	08:57:49	0.0	---
015	4/12/2019	08:58:19	0.0	---
016	4/12/2019	08:58:49	0.0	---
017	4/12/2019	08:59:19	0.0	---
018	4/12/2019	08:59:49	0.0	---
019	4/12/2019	09:00:19	0.0	---
020	4/12/2019	09:00:49	0.0	---
021	4/12/2019	09:01:19	0.0	---
022	4/12/2019	09:01:49	0.0	---
023	4/12/2019	09:02:19	0.0	---
024	4/12/2019	09:02:49	0.0	---
025	4/12/2019	09:03:19	0.0	---
026	4/12/2019	09:03:49	0.0	---
027	4/12/2019	09:04:19	0.0	---
028	4/12/2019	09:04:49	0.0	---
029	4/12/2019	09:05:19	0.0	---
030	4/12/2019	09:05:49	0.0	0.0

031	4/12/2019 09:06:19	0.0	0.0
032	4/12/2019 09:06:49	0.0	0.0
033	4/12/2019 09:07:19	0.0	0.0
034	4/12/2019 09:07:49	0.0	0.0
035	4/12/2019 09:08:19	0.0	0.0
036	4/12/2019 09:08:49	0.0	0.0
037	4/12/2019 09:09:19	0.0	0.0
038	4/12/2019 09:09:49	0.0	0.0
039	4/12/2019 09:10:19	0.0	0.0
040	4/12/2019 09:10:49	0.0	0.0
041	4/12/2019 09:11:19	0.0	0.0
042	4/12/2019 09:11:49	0.0	0.0
043	4/12/2019 09:12:19	0.0	0.0
044	4/12/2019 09:12:49	0.0	0.0
045	4/12/2019 09:13:19	0.0	0.0
046	4/12/2019 09:13:49	0.0	0.0
047	4/12/2019 09:14:19	0.0	0.0
048	4/12/2019 09:14:49	0.0	0.0
049	4/12/2019 09:15:19	0.0	0.0
050	4/12/2019 09:15:49	0.0	0.0
051	4/12/2019 09:16:19	0.0	0.0
052	4/12/2019 09:16:49	0.0	0.0
053	4/12/2019 09:17:19	0.0	0.0
054	4/12/2019 09:17:49	0.0	0.0
055	4/12/2019 09:18:19	0.0	0.0
056	4/12/2019 09:18:49	0.0	0.0
057	4/12/2019 09:19:19	0.0	0.0
058	4/12/2019 09:19:49	0.0	0.0
059	4/12/2019 09:20:19	0.0	0.0
060	4/12/2019 09:20:49	0.0	0.0
061	4/12/2019 09:21:19	0.0	0.0
062	4/12/2019 09:21:49	0.0	0.0
063	4/12/2019 09:22:19	0.0	0.0
064	4/12/2019 09:22:49	0.0	0.0
065	4/12/2019 09:23:19	0.0	0.0
066	4/12/2019 09:23:49	0.0	0.0
067	4/12/2019 09:24:19	0.0	0.0
068	4/12/2019 09:24:49	0.0	0.0
069	4/12/2019 09:25:19	0.0	0.0
070	4/12/2019 09:25:49	0.0	0.0
071	4/12/2019 09:26:19	0.0	0.0
072	4/12/2019 09:26:49	0.0	0.0
073	4/12/2019 09:27:19	0.0	0.0
074	4/12/2019 09:27:49	0.0	0.0
075	4/12/2019 09:28:19	0.0	0.0
076	4/12/2019 09:28:49	0.0	0.0
077	4/12/2019 09:29:19	0.0	0.0
078	4/12/2019 09:29:49	0.0	0.0
079	4/12/2019 09:30:19	0.0	0.0
080	4/12/2019 09:30:49	0.0	0.0

081	4/12/2019	09:31:19	0.0	0.0
082	4/12/2019	09:31:49	0.0	0.0
083	4/12/2019	09:32:19	0.0	0.0
084	4/12/2019	09:32:49	0.0	0.0
085	4/12/2019	09:33:19	0.0	0.0
086	4/12/2019	09:33:49	0.0	0.0
087	4/12/2019	09:34:19	0.0	0.0
088	4/12/2019	09:34:49	0.0	0.0
089	4/12/2019	09:35:19	0.0	0.0
090	4/12/2019	09:35:49	0.0	0.0
091	4/12/2019	09:36:19	0.0	0.0
092	4/12/2019	09:36:49	0.0	0.0
093	4/12/2019	09:37:19	0.0	0.0
094	4/12/2019	09:37:49	0.0	0.0
095	4/12/2019	09:38:19	0.0	0.0
096	4/12/2019	09:38:49	0.0	0.0
097	4/12/2019	09:39:19	0.0	0.0
098	4/12/2019	09:39:49	0.0	0.0
099	4/12/2019	09:40:19	0.0	0.0
100	4/12/2019	09:40:49	0.0	0.0
101	4/12/2019	09:41:19	0.0	0.0
102	4/12/2019	09:41:49	0.0	0.0
103	4/12/2019	09:42:19	0.0	0.0
104	4/12/2019	09:42:49	0.0	0.0
105	4/12/2019	09:43:19	0.0	0.0
106	4/12/2019	09:43:49	0.0	0.0
107	4/12/2019	09:44:19	0.0	0.0
108	4/12/2019	09:44:49	0.0	0.0
109	4/12/2019	09:45:19	0.0	0.0
110	4/12/2019	09:45:49	0.0	0.0
111	4/12/2019	09:46:19	0.0	0.0
112	4/12/2019	09:46:49	0.0	0.0
113	4/12/2019	09:47:19	0.0	0.0
114	4/12/2019	09:47:49	0.0	0.0
115	4/12/2019	09:48:19	0.0	0.0
116	4/12/2019	09:48:49	0.0	0.0
117	4/12/2019	09:49:19	0.0	0.0
118	4/12/2019	09:49:49	0.0	0.0
119	4/12/2019	09:50:19	0.0	0.0
120	4/12/2019	09:50:49	0.0	0.0
121	4/12/2019	09:51:19	0.0	0.0
122	4/12/2019	09:51:49	0.0	0.0
123	4/12/2019	09:52:19	0.0	0.0
124	4/12/2019	09:52:49	0.0	0.0
125	4/12/2019	09:53:19	0.0	0.0
126	4/12/2019	09:53:49	0.0	0.0
127	4/12/2019	09:54:19	0.0	0.0
128	4/12/2019	09:54:49	0.0	0.0
129	4/12/2019	09:55:19	0.0	0.0
130	4/12/2019	09:55:49	0.0	0.0

131	4/12/2019 09:56:19	0.0	0.0
132	4/12/2019 09:56:49	0.0	0.0
133	4/12/2019 09:57:19	0.0	0.0
134	4/12/2019 09:57:49	0.0	0.0
135	4/12/2019 09:58:19	0.0	0.0
136	4/12/2019 09:58:49	0.0	0.0
137	4/12/2019 09:59:19	0.0	0.0
138	4/12/2019 09:59:49	0.0	0.0
139	4/12/2019 10:00:19	0.0	0.0
140	4/12/2019 10:00:49	0.0	0.0
141	4/12/2019 10:01:19	0.0	0.0
142	4/12/2019 10:01:49	0.0	0.0
143	4/12/2019 10:02:19	0.0	0.0
144	4/12/2019 10:02:49	0.0	0.0
145	4/12/2019 10:03:19	0.0	0.0
146	4/12/2019 10:03:49	0.0	0.0
147	4/12/2019 10:04:19	0.0	0.0
148	4/12/2019 10:04:49	0.0	0.0
149	4/12/2019 10:05:19	0.0	0.0
150	4/12/2019 10:05:49	0.0	0.0
151	4/12/2019 10:06:19	0.0	0.0
152	4/12/2019 10:06:49	0.0	0.0
153	4/12/2019 10:07:19	0.0	0.0
154	4/12/2019 10:07:49	0.0	0.0
155	4/12/2019 10:08:19	0.0	0.0
156	4/12/2019 10:08:49	0.0	0.0
157	4/12/2019 10:09:19	0.0	0.0
158	4/12/2019 10:09:49	0.0	0.0
159	4/12/2019 10:10:19	0.0	0.0
160	4/12/2019 10:10:49	0.0	0.0
161	4/12/2019 10:11:19	0.0	0.0
162	4/12/2019 10:11:49	0.0	0.0
163	4/12/2019 10:12:19	0.0	0.0
164	4/12/2019 10:12:49	0.0	0.0
165	4/12/2019 10:13:19	0.0	0.0
166	4/12/2019 10:13:49	0.0	0.0
167	4/12/2019 10:14:19	0.0	0.0
168	4/12/2019 10:14:49	0.0	0.0
169	4/12/2019 10:15:19	0.0	0.0
170	4/12/2019 10:15:49	0.0	0.0
171	4/12/2019 10:16:19	0.0	0.0
172	4/12/2019 10:16:49	0.0	0.0
173	4/12/2019 10:17:19	0.0	0.0
174	4/12/2019 10:17:49	0.0	0.0
175	4/12/2019 10:18:19	0.0	0.0
176	4/12/2019 10:18:49	0.0	0.0
177	4/12/2019 10:19:19	0.0	0.0
178	4/12/2019 10:19:49	0.0	0.0
179	4/12/2019 10:20:19	0.0	0.0
180	4/12/2019 10:20:49	0.0	0.0

181	4/12/2019 10:21:19	0.0	0.0
182	4/12/2019 10:21:49	0.0	0.0
183	4/12/2019 10:22:19	0.0	0.0
184	4/12/2019 10:22:49	0.0	0.0
185	4/12/2019 10:23:19	0.0	0.0
186	4/12/2019 10:23:49	0.0	0.0
187	4/12/2019 10:24:19	0.0	0.0
188	4/12/2019 10:24:49	0.0	0.0
189	4/12/2019 10:25:19	0.0	0.0
190	4/12/2019 10:25:49	0.0	0.0
191	4/12/2019 10:26:19	0.0	0.0
192	4/12/2019 10:26:49	0.0	0.0
193	4/12/2019 10:27:19	0.0	0.0
194	4/12/2019 10:27:49	0.0	0.0
195	4/12/2019 10:28:19	0.0	0.0
196	4/12/2019 10:28:49	0.0	0.0
197	4/12/2019 10:29:19	0.0	0.0
198	4/12/2019 10:29:49	0.0	0.0
199	4/12/2019 10:30:19	0.0	0.0
200	4/12/2019 10:30:49	0.0	0.0
201	4/12/2019 10:31:19	0.0	0.0
202	4/12/2019 10:31:49	0.0	0.0
203	4/12/2019 10:32:19	0.0	0.0
204	4/12/2019 10:32:49	0.0	0.0
205	4/12/2019 10:33:19	0.0	0.0
206	4/12/2019 10:33:49	0.0	0.0
207	4/12/2019 10:34:19	0.0	0.0
208	4/12/2019 10:34:49	0.0	0.0
209	4/12/2019 10:35:19	0.0	0.0
210	4/12/2019 10:35:49	0.0	0.0
211	4/12/2019 10:36:19	0.0	0.0
212	4/12/2019 10:36:49	0.0	0.0
213	4/12/2019 10:37:19	0.0	0.0
214	4/12/2019 10:37:49	0.0	0.0
215	4/12/2019 10:38:19	0.0	0.0
216	4/12/2019 10:38:49	0.0	0.0
217	4/12/2019 10:39:19	0.0	0.0
218	4/12/2019 10:39:49	0.0	0.0
219	4/12/2019 10:40:19	0.0	0.0
220	4/12/2019 10:40:49	0.0	0.0
221	4/12/2019 10:41:19	0.0	0.0
222	4/12/2019 10:41:49	0.0	0.0
223	4/12/2019 10:42:19	0.0	0.0
224	4/12/2019 10:42:49	0.0	0.0
225	4/12/2019 10:43:19	0.0	0.0
226	4/12/2019 10:43:49	0.0	0.0
227	4/12/2019 10:44:19	0.0	0.0
228	4/12/2019 10:44:49	0.0	0.0
229	4/12/2019 10:45:19	0.0	0.0
230	4/12/2019 10:45:49	0.0	0.0

231	4/12/2019 10:46:19	0.0	0.0
232	4/12/2019 10:46:49	0.0	0.0
233	4/12/2019 10:47:19	0.0	0.0
234	4/12/2019 10:47:49	0.0	0.0
235	4/12/2019 10:48:19	0.0	0.0
236	4/12/2019 10:48:49	0.0	0.0
237	4/12/2019 10:49:19	0.0	0.0
238	4/12/2019 10:49:49	0.0	0.0
239	4/12/2019 10:50:19	0.0	0.0
240	4/12/2019 10:50:49	0.0	0.0
241	4/12/2019 10:51:19	0.0	0.0
242	4/12/2019 10:51:49	0.0	0.0
243	4/12/2019 10:52:19	0.0	0.0
244	4/12/2019 10:52:49	0.0	0.0
245	4/12/2019 10:53:19	0.0	0.0
246	4/12/2019 10:53:49	0.0	0.0
247	4/12/2019 10:54:19	0.0	0.0
248	4/12/2019 10:54:49	0.0	0.0
249	4/12/2019 10:55:19	0.0	0.0
250	4/12/2019 10:55:49	0.0	0.0
251	4/12/2019 10:56:19	0.0	0.0
252	4/12/2019 10:56:49	0.0	0.0
253	4/12/2019 10:57:19	0.0	0.0
254	4/12/2019 10:57:49	0.0	0.0
255	4/12/2019 10:58:19	0.0	0.0
256	4/12/2019 10:58:49	0.0	0.0
257	4/12/2019 10:59:19	0.0	0.0
258	4/12/2019 10:59:49	0.0	0.0
259	4/12/2019 11:00:19	0.0	0.0
260	4/12/2019 11:00:49	0.0	0.0
261	4/12/2019 11:01:19	0.0	0.0
262	4/12/2019 11:01:49	0.0	0.0
263	4/12/2019 11:02:19	0.0	0.0
264	4/12/2019 11:02:49	0.0	0.0
265	4/12/2019 11:03:19	0.0	0.0
266	4/12/2019 11:03:49	0.0	0.0
267	4/12/2019 11:04:19	0.0	0.0
268	4/12/2019 11:04:49	0.0	0.0
269	4/12/2019 11:05:19	0.0	0.0
270	4/12/2019 11:05:49	0.0	0.0
271	4/12/2019 11:06:19	0.0	0.0
272	4/12/2019 11:06:49	0.0	0.0
273	4/12/2019 11:07:19	0.0	0.0
274	4/12/2019 11:07:49	0.0	0.0
275	4/12/2019 11:08:19	0.0	0.0
276	4/12/2019 11:08:49	0.0	0.0
277	4/12/2019 11:09:19	0.0	0.0
278	4/12/2019 11:09:49	0.0	0.0
279	4/12/2019 11:10:19	0.0	0.0
280	4/12/2019 11:10:49	0.0	0.0

281	4/12/2019 11:11:19	0.0	0.0
282	4/12/2019 11:11:49	0.0	0.0
283	4/12/2019 11:12:19	0.0	0.0
284	4/12/2019 11:12:49	0.0	0.0
285	4/12/2019 11:13:19	0.0	0.0
286	4/12/2019 11:13:49	0.0	0.0
287	4/12/2019 11:14:19	0.0	0.1
288	4/12/2019 11:14:49	0.0	0.1
289	4/12/2019 11:15:19	0.0	0.1
290	4/12/2019 11:15:49	0.0	0.1
291	4/12/2019 11:16:19	0.0	0.1
292	4/12/2019 11:16:49	0.0	0.1
293	4/12/2019 11:17:19	0.0	0.1
294	4/12/2019 11:17:49	0.0	0.1
295	4/12/2019 11:18:19	0.0	0.1
296	4/12/2019 11:18:49	0.0	0.1
297	4/12/2019 11:19:19	0.0	0.1
298	4/12/2019 11:19:49	0.0	0.1
299	4/12/2019 11:20:19	0.0	0.1
300	4/12/2019 11:20:49	0.0	0.1
301	4/12/2019 11:21:19	0.0	0.1
302	4/12/2019 11:21:49	0.0	0.1
303	4/12/2019 11:22:19	0.0	0.1
304	4/12/2019 11:22:49	0.0	0.1
305	4/12/2019 11:23:19	0.0	0.1
306	4/12/2019 11:23:49	0.0	0.1
307	4/12/2019 11:24:19	0.0	0.1
308	4/12/2019 11:24:49	0.0	0.1
309	4/12/2019 11:25:19	0.0	0.1
310	4/12/2019 11:25:49	0.0	0.1
311	4/12/2019 11:26:19	0.0	0.1
312	4/12/2019 11:26:49	0.0	0.1
313	4/12/2019 11:27:19	0.0	0.1
314	4/12/2019 11:27:49	0.0	0.1
315	4/12/2019 11:28:19	0.0	0.1
316	4/12/2019 11:28:49	0.0	0.1
317	4/12/2019 11:29:19	0.0	0.1
318	4/12/2019 11:29:49	0.0	0.1
319	4/12/2019 11:30:19	0.0	0.1
320	4/12/2019 11:30:49	0.0	0.1
321	4/12/2019 11:31:19	0.0	0.1
322	4/12/2019 11:31:49	0.0	0.1
323	4/12/2019 11:32:19	0.0	0.1
324	4/12/2019 11:32:49	0.0	0.1
325	4/12/2019 11:33:19	0.0	0.1
326	4/12/2019 11:33:49	0.0	0.1
327	4/12/2019 11:34:19	0.0	0.1
328	4/12/2019 11:34:49	0.0	0.1
329	4/12/2019 11:35:19	0.0	0.1
330	4/12/2019 11:35:49	0.0	0.1

331	4/12/2019 11:36:19	0.0	0.1
332	4/12/2019 11:36:49	0.0	0.1
333	4/12/2019 11:37:19	0.0	0.1
334	4/12/2019 11:37:49	0.0	0.1
335	4/12/2019 11:38:19	0.0	0.1
336	4/12/2019 11:38:49	0.0	0.1
337	4/12/2019 11:39:19	0.0	0.1
338	4/12/2019 11:39:49	0.0	0.1
339	4/12/2019 11:40:19	0.0	0.1
340	4/12/2019 11:40:49	0.0	0.1
341	4/12/2019 11:41:19	0.0	0.1
342	4/12/2019 11:41:49	0.0	0.1
343	4/12/2019 11:42:19	0.0	0.1
344	4/12/2019 11:42:49	0.0	0.1

甑==========
19/04/15 08:01
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/15/2019 08:01:17
End 4/15/2019 08:01:42
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/12/2019 07:47

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Datalog

0 record.

甄==========
19/04/15 08:05
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/15/2019 08:05:57
End 4/15/2019 08:06:30
Sample Period(s) 30
Number of Records 1

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/12/2019 07:47
Peak 0.2
Min 0.2
Average 0.2

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/15/2019 08:06:27	0.0	0.2	0.2	0.2	
Peak		0.0	0.2	0.2	0.2	
Min		0.0	0.2	0.2	0.2	
Average		0.0	0.2	0.2	0.2	

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/15/2019 08:06:27	0.0	---

甎==========
19/04/15 08:27
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908425
Unit Firmware Ver	V2.16
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	PES00000
User ID	PES00000
Begin	4/15/2019 08:27:31
End	4/15/2019 14:26:42
Sample Period(s)	30
Number of Records	718
Sensor	PID(ppm)
Sensor SN	S0?3030298V9
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	100.0
TWA Alarm	50.0
Measurement Gas	Isobutylene
Calibration Time	4/12/2019 07:47
Peak	0.4
Min	0.0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/15/2019 08:28:01	0.0	0.0	0.0	0.0	
002	4/15/2019 08:28:31	0.0	0.0	0.0	0.0	

003	4/15/2019	08:29:01	0.0	0.0	0.0	0.0
004	4/15/2019	08:29:31	0.0	0.0	0.0	0.0
005	4/15/2019	08:30:01	0.0	0.0	0.0	0.0
006	4/15/2019	08:30:31	0.0	0.0	0.1	0.0
007	4/15/2019	08:31:01	0.0	0.1	0.2	0.0
008	4/15/2019	08:31:31	0.0	0.0	0.0	0.0
009	4/15/2019	08:32:01	0.0	0.0	0.0	0.0
010	4/15/2019	08:32:31	0.0	0.0	0.0	0.0
011	4/15/2019	08:33:01	0.0	0.0	0.0	0.0
012	4/15/2019	08:33:31	0.0	0.0	0.0	0.0
013	4/15/2019	08:34:01	0.0	0.0	0.0	0.0
014	4/15/2019	08:34:31	0.0	0.0	0.0	0.0
015	4/15/2019	08:35:01	0.0	0.0	0.0	0.0
016	4/15/2019	08:35:31	0.0	0.0	0.0	0.0
017	4/15/2019	08:36:01	0.0	0.0	0.0	0.0
018	4/15/2019	08:36:31	0.0	0.0	0.0	0.0
019	4/15/2019	08:37:01	0.0	0.0	0.0	0.0
020	4/15/2019	08:37:31	0.0	0.0	0.0	0.0
021	4/15/2019	08:38:01	0.0	0.0	0.0	0.0
022	4/15/2019	08:38:31	0.0	0.0	0.0	0.0
023	4/15/2019	08:39:01	0.0	0.0	0.0	0.0
024	4/15/2019	08:39:31	0.0	0.0	0.0	0.0
025	4/15/2019	08:40:01	0.0	0.0	0.0	0.0
026	4/15/2019	08:40:31	0.0	0.0	0.0	0.0
027	4/15/2019	08:41:01	0.0	0.0	0.0	0.0
028	4/15/2019	08:41:31	0.0	0.0	0.0	0.0
029	4/15/2019	08:42:01	0.0	0.0	0.0	0.0
030	4/15/2019	08:42:31	0.0	0.0	0.0	0.0
031	4/15/2019	08:43:01	0.0	0.0	0.0	0.0
032	4/15/2019	08:43:31	0.0	0.0	0.0	0.0
033	4/15/2019	08:44:01	0.0	0.0	0.0	0.0
034	4/15/2019	08:44:31	0.0	0.0	0.0	0.0
035	4/15/2019	08:45:01	0.0	0.0	0.0	0.0
036	4/15/2019	08:45:31	0.0	0.0	0.0	0.0
037	4/15/2019	08:46:01	0.0	0.0	0.0	0.0
038	4/15/2019	08:46:31	0.0	0.0	0.0	0.0
039	4/15/2019	08:47:01	0.0	0.0	0.0	0.0
040	4/15/2019	08:47:31	0.0	0.0	0.0	0.0
041	4/15/2019	08:48:01	0.0	0.0	0.0	0.0
042	4/15/2019	08:48:31	0.0	0.0	0.0	0.0
043	4/15/2019	08:49:01	0.0	0.0	0.0	0.0
044	4/15/2019	08:49:31	0.0	0.0	0.0	0.0
045	4/15/2019	08:50:01	0.0	0.0	0.0	0.0
046	4/15/2019	08:50:31	0.0	0.0	0.0	0.0
047	4/15/2019	08:51:01	0.0	0.0	0.0	0.0
048	4/15/2019	08:51:31	0.0	0.0	0.0	0.0
049	4/15/2019	08:52:01	0.0	0.0	0.0	0.0
050	4/15/2019	08:52:31	0.0	0.0	0.0	0.0
051	4/15/2019	08:53:01	0.0	0.0	0.0	0.0
052	4/15/2019	08:53:31	0.0	0.0	0.0	0.0

053	4/15/2019	08:54:01	0.0	0.0	0.0	0.0
054	4/15/2019	08:54:31	0.0	0.0	0.0	0.0
055	4/15/2019	08:55:01	0.0	0.0	0.0	0.0
056	4/15/2019	08:55:31	0.0	0.0	0.0	0.0
057	4/15/2019	08:56:01	0.0	0.0	0.0	0.0
058	4/15/2019	08:56:31	0.1	0.1	0.2	0.1
059	4/15/2019	08:57:01	0.0	0.1	0.1	0.1
060	4/15/2019	08:57:31	0.0	0.1	0.1	0.1
061	4/15/2019	08:58:01	0.0	0.0	0.1	0.0
062	4/15/2019	08:58:31	0.0	0.0	0.0	0.0
063	4/15/2019	08:59:01	0.1	0.1	0.1	0.1
064	4/15/2019	08:59:31	0.1	0.1	0.1	0.1
065	4/15/2019	09:00:01	0.0	0.0	0.1	0.1
066	4/15/2019	09:00:31	0.0	0.1	0.1	0.1
067	4/15/2019	09:01:01	0.0	0.1	0.1	0.0
068	4/15/2019	09:01:31	0.0	0.0	0.1	0.0
069	4/15/2019	09:02:01	0.0	0.0	0.1	0.1
070	4/15/2019	09:02:31	0.0	0.0	0.1	0.0
071	4/15/2019	09:03:01	0.0	0.0	0.1	0.0
072	4/15/2019	09:03:31	0.0	0.0	0.0	0.0
073	4/15/2019	09:04:01	0.0	0.0	0.0	0.0
074	4/15/2019	09:04:31	0.0	0.0	0.0	0.0
075	4/15/2019	09:05:01	0.0	0.0	0.0	0.0
076	4/15/2019	09:05:31	0.0	0.0	0.0	0.0
077	4/15/2019	09:06:01	0.0	0.0	0.0	0.0
078	4/15/2019	09:06:31	0.0	0.0	0.0	0.0
079	4/15/2019	09:07:01	0.0	0.0	0.0	0.0
080	4/15/2019	09:07:31	0.0	0.0	0.0	0.0
081	4/15/2019	09:08:01	0.0	0.0	0.0	0.0
082	4/15/2019	09:08:31	0.0	0.0	0.0	0.0
083	4/15/2019	09:09:01	0.0	0.0	0.0	0.0
084	4/15/2019	09:09:31	0.0	0.0	0.0	0.0
085	4/15/2019	09:10:01	0.0	0.0	0.0	0.0
086	4/15/2019	09:10:31	0.0	0.0	0.0	0.0
087	4/15/2019	09:11:01	0.0	0.0	0.0	0.0
088	4/15/2019	09:11:31	0.0	0.0	0.0	0.0
089	4/15/2019	09:12:01	0.0	0.0	0.0	0.0
090	4/15/2019	09:12:31	0.0	0.0	0.0	0.0
091	4/15/2019	09:13:01	0.0	0.0	0.0	0.0
092	4/15/2019	09:13:31	0.0	0.0	0.0	0.0
093	4/15/2019	09:14:01	0.0	0.0	0.0	0.0
094	4/15/2019	09:14:31	0.0	0.0	0.0	0.0
095	4/15/2019	09:15:01	0.0	0.0	0.0	0.0
096	4/15/2019	09:15:31	0.0	0.0	0.0	0.0
097	4/15/2019	09:16:01	0.0	0.0	0.0	0.0
098	4/15/2019	09:16:31	0.0	0.0	0.0	0.0
099	4/15/2019	09:17:01	0.0	0.0	0.1	0.0
100	4/15/2019	09:17:31	0.0	0.0	0.0	0.0
101	4/15/2019	09:18:01	0.0	0.0	0.1	0.1
102	4/15/2019	09:18:31	0.1	0.1	0.2	0.1

103	4/15/2019	09:19:01	0.0	0.1	0.1	0.0
104	4/15/2019	09:19:31	0.0	0.0	0.1	0.0
105	4/15/2019	09:20:01	0.0	0.0	0.0	0.0
106	4/15/2019	09:20:31	0.0	0.1	0.1	0.0
107	4/15/2019	09:21:01	0.0	0.0	0.1	0.0
108	4/15/2019	09:21:31	0.0	0.0	0.1	0.0
109	4/15/2019	09:22:01	0.0	0.0	0.1	0.1
110	4/15/2019	09:22:31	0.1	0.1	0.1	0.1
111	4/15/2019	09:23:01	0.1	0.1	0.1	0.1
112	4/15/2019	09:23:31	0.1	0.1	0.1	0.1
113	4/15/2019	09:24:01	0.1	0.1	0.1	0.1
114	4/15/2019	09:24:31	0.0	0.1	0.1	0.1
115	4/15/2019	09:25:01	0.1	0.1	0.1	0.1
116	4/15/2019	09:25:31	0.0	0.1	0.1	0.1
117	4/15/2019	09:26:01	0.1	0.1	0.1	0.1
118	4/15/2019	09:26:31	0.1	0.1	0.1	0.1
119	4/15/2019	09:27:01	0.1	0.1	0.1	0.1
120	4/15/2019	09:27:31	0.1	0.1	0.1	0.1
121	4/15/2019	09:28:01	0.1	0.1	0.1	0.1
122	4/15/2019	09:28:31	0.1	0.1	0.1	0.1
123	4/15/2019	09:29:01	0.1	0.1	0.1	0.1
124	4/15/2019	09:29:31	0.0	0.1	0.1	0.1
125	4/15/2019	09:30:01	0.1	0.1	0.1	0.1
126	4/15/2019	09:30:31	0.1	0.1	0.1	0.1
127	4/15/2019	09:31:01	0.0	0.1	0.1	0.0
128	4/15/2019	09:31:31	0.0	0.1	0.1	0.1
129	4/15/2019	09:32:01	0.1	0.1	0.1	0.1
130	4/15/2019	09:32:31	0.0	0.0	0.1	0.0
131	4/15/2019	09:33:01	0.0	0.0	0.1	0.1
132	4/15/2019	09:33:31	0.0	0.0	0.1	0.1
133	4/15/2019	09:34:01	0.1	0.1	0.1	0.1
134	4/15/2019	09:34:31	0.0	0.0	0.1	0.1
135	4/15/2019	09:35:01	0.0	0.1	0.1	0.1
136	4/15/2019	09:35:31	0.1	0.1	0.1	0.1
137	4/15/2019	09:36:01	0.0	0.1	0.1	0.0
138	4/15/2019	09:36:31	0.0	0.1	0.1	0.1
139	4/15/2019	09:37:01	0.0	0.1	0.1	0.1
140	4/15/2019	09:37:31	0.1	0.1	0.1	0.1
141	4/15/2019	09:38:01	0.1	0.1	0.1	0.1
142	4/15/2019	09:38:31	0.0	0.1	0.1	0.0
143	4/15/2019	09:39:01	0.0	0.1	0.1	0.1
144	4/15/2019	09:39:31	0.0	0.0	0.1	0.0
145	4/15/2019	09:40:01	0.0	0.0	0.1	0.0
146	4/15/2019	09:40:31	0.0	0.0	0.1	0.0
147	4/15/2019	09:41:01	0.0	0.1	0.1	0.1
148	4/15/2019	09:41:31	0.0	0.0	0.0	0.0
149	4/15/2019	09:42:01	0.0	0.0	0.0	0.0
150	4/15/2019	09:42:31	0.0	0.1	0.1	0.1
151	4/15/2019	09:43:01	0.0	0.0	0.1	0.0
152	4/15/2019	09:43:31	0.0	0.0	0.1	0.1

153	4/15/2019	09:44:01	0.0	0.0	0.1	0.0
154	4/15/2019	09:44:31	0.0	0.1	0.1	0.0
155	4/15/2019	09:45:01	0.0	0.0	0.1	0.0
156	4/15/2019	09:45:31	0.0	0.1	0.1	0.1
157	4/15/2019	09:46:01	0.1	0.1	0.1	0.1
158	4/15/2019	09:46:31	0.1	0.1	0.1	0.1
159	4/15/2019	09:47:01	0.1	0.1	0.1	0.1
160	4/15/2019	09:47:31	0.1	0.1	0.1	0.1
161	4/15/2019	09:48:01	0.0	0.1	0.1	0.1
162	4/15/2019	09:48:31	0.0	0.0	0.1	0.1
163	4/15/2019	09:49:01	0.0	0.1	0.1	0.1
164	4/15/2019	09:49:31	0.0	0.1	0.1	0.1
165	4/15/2019	09:50:01	0.1	0.1	0.1	0.1
166	4/15/2019	09:50:31	0.1	0.1	0.2	0.1
167	4/15/2019	09:51:01	0.1	0.2	0.3	0.1
168	4/15/2019	09:51:31	0.1	0.1	0.1	0.1
169	4/15/2019	09:52:01	0.1	0.1	0.1	0.1
170	4/15/2019	09:52:31	0.1	0.1	0.1	0.1
171	4/15/2019	09:53:01	0.1	0.1	0.1	0.1
172	4/15/2019	09:53:31	0.1	0.1	0.1	0.1
173	4/15/2019	09:54:01	0.0	0.1	0.1	0.1
174	4/15/2019	09:54:31	0.1	0.1	0.1	0.1
175	4/15/2019	09:55:01	0.1	0.1	0.1	0.1
176	4/15/2019	09:55:31	0.1	0.1	0.1	0.1
177	4/15/2019	09:56:01	0.1	0.1	0.1	0.1
178	4/15/2019	09:56:31	0.1	0.1	0.1	0.1
179	4/15/2019	09:57:01	0.1	0.1	0.1	0.1
180	4/15/2019	09:57:31	0.1	0.1	0.1	0.1
181	4/15/2019	09:58:01	0.1	0.1	0.2	0.2
182	4/15/2019	09:58:31	0.1	0.2	0.5	0.1
183	4/15/2019	09:59:01	0.1	0.1	0.1	0.1
184	4/15/2019	09:59:31	0.1	0.1	0.1	0.1
185	4/15/2019	10:00:01	0.1	0.1	0.1	0.1
186	4/15/2019	10:00:31	0.1	0.1	0.1	0.1
187	4/15/2019	10:01:01	0.1	0.1	0.1	0.1
188	4/15/2019	10:01:31	0.1	0.1	0.1	0.1
189	4/15/2019	10:02:01	0.1	0.1	0.1	0.1
190	4/15/2019	10:02:31	0.1	0.1	0.1	0.1
191	4/15/2019	10:03:01	0.1	0.1	0.1	0.1
192	4/15/2019	10:03:31	0.1	0.1	0.1	0.1
193	4/15/2019	10:04:01	0.1	0.1	0.1	0.1
194	4/15/2019	10:04:31	0.1	0.1	0.1	0.1
195	4/15/2019	10:05:01	0.1	0.1	0.1	0.1
196	4/15/2019	10:05:31	0.1	0.1	0.1	0.1
197	4/15/2019	10:06:01	0.1	0.1	0.1	0.1
198	4/15/2019	10:06:31	0.1	0.1	0.1	0.1
199	4/15/2019	10:07:01	0.1	0.1	0.1	0.1
200	4/15/2019	10:07:31	0.1	0.1	0.1	0.1
201	4/15/2019	10:08:01	0.1	0.1	0.1	0.1
202	4/15/2019	10:08:31	0.1	0.1	0.1	0.1

203	4/15/2019	10:09:01	0.1	0.1	0.1	0.1
204	4/15/2019	10:09:31	0.1	0.1	0.1	0.1
205	4/15/2019	10:10:01	0.1	0.1	0.1	0.1
206	4/15/2019	10:10:31	0.1	0.1	0.1	0.1
207	4/15/2019	10:11:01	0.1	0.1	0.1	0.1
208	4/15/2019	10:11:31	0.1	0.1	0.1	0.1
209	4/15/2019	10:12:01	0.1	0.1	0.1	0.1
210	4/15/2019	10:12:31	0.1	0.1	0.1	0.1
211	4/15/2019	10:13:01	0.1	0.1	0.1	0.1
212	4/15/2019	10:13:31	0.1	0.1	0.1	0.1
213	4/15/2019	10:14:01	0.1	0.1	0.1	0.1
214	4/15/2019	10:14:31	0.1	0.1	0.1	0.1
215	4/15/2019	10:15:01	0.1	0.1	0.1	0.1
216	4/15/2019	10:15:31	0.1	0.1	0.1	0.1
217	4/15/2019	10:16:01	0.1	0.1	0.1	0.1
218	4/15/2019	10:16:31	0.1	0.1	0.1	0.1
219	4/15/2019	10:17:01	0.1	0.1	0.1	0.1
220	4/15/2019	10:17:31	0.1	0.1	0.1	0.1
221	4/15/2019	10:18:01	0.1	0.1	0.1	0.1
222	4/15/2019	10:18:31	0.1	0.1	0.1	0.1
223	4/15/2019	10:19:01	0.1	0.1	0.1	0.1
224	4/15/2019	10:19:31	0.1	0.1	0.1	0.1
225	4/15/2019	10:20:01	0.1	0.1	0.1	0.1
226	4/15/2019	10:20:31	0.1	0.1	0.1	0.1
227	4/15/2019	10:21:01	0.1	0.1	0.1	0.1
228	4/15/2019	10:21:31	0.1	0.1	0.1	0.1
229	4/15/2019	10:22:01	0.1	0.1	0.1	0.1
230	4/15/2019	10:22:31	0.1	0.1	0.1	0.1
231	4/15/2019	10:23:01	0.1	0.1	0.1	0.1
232	4/15/2019	10:23:31	0.1	0.1	0.1	0.1
233	4/15/2019	10:24:01	0.1	0.1	0.1	0.1
234	4/15/2019	10:24:31	0.1	0.1	0.1	0.1
235	4/15/2019	10:25:01	0.1	0.1	0.1	0.1
236	4/15/2019	10:25:31	0.1	0.1	0.1	0.1
237	4/15/2019	10:26:01	0.1	0.1	0.1	0.1
238	4/15/2019	10:26:31	0.1	0.1	0.1	0.1
239	4/15/2019	10:27:01	0.1	0.1	0.1	0.1
240	4/15/2019	10:27:31	0.1	0.1	0.1	0.1
241	4/15/2019	10:28:01	0.1	0.1	0.1	0.1
242	4/15/2019	10:28:31	0.1	0.1	0.1	0.1
243	4/15/2019	10:29:01	0.1	0.1	0.1	0.1
244	4/15/2019	10:29:31	0.1	0.1	0.2	0.1
245	4/15/2019	10:30:01	0.1	0.1	0.1	0.1
246	4/15/2019	10:30:31	0.1	0.1	0.2	0.2
247	4/15/2019	10:31:01	0.1	0.1	0.2	0.1
248	4/15/2019	10:31:31	0.1	0.1	0.2	0.1
249	4/15/2019	10:32:01	0.1	0.1	0.1	0.1
250	4/15/2019	10:32:31	0.1	0.1	0.1	0.1
251	4/15/2019	10:33:01	0.1	0.1	0.1	0.1
252	4/15/2019	10:33:31	0.1	0.2	0.2	0.2

253	4/15/2019	10:34:01	0.1	0.2	0.2	0.2
254	4/15/2019	10:34:31	0.1	0.2	0.2	0.1
255	4/15/2019	10:35:01	0.2	0.2	0.2	0.2
256	4/15/2019	10:35:31	0.2	0.2	0.2	0.2
257	4/15/2019	10:36:01	0.2	0.2	0.2	0.2
258	4/15/2019	10:36:31	0.2	0.2	0.2	0.2
259	4/15/2019	10:37:01	0.1	0.2	0.2	0.1
260	4/15/2019	10:37:31	0.1	0.2	0.2	0.2
261	4/15/2019	10:38:01	0.1	0.2	0.2	0.2
262	4/15/2019	10:38:31	0.2	0.2	0.2	0.2
263	4/15/2019	10:39:01	0.1	0.2	0.2	0.1
264	4/15/2019	10:39:31	0.1	0.2	0.2	0.2
265	4/15/2019	10:40:01	0.2	0.2	0.2	0.2
266	4/15/2019	10:40:31	0.2	0.2	0.2	0.2
267	4/15/2019	10:41:01	0.2	0.2	0.2	0.2
268	4/15/2019	10:41:31	0.2	0.2	0.2	0.2
269	4/15/2019	10:42:01	0.2	0.2	0.2	0.2
270	4/15/2019	10:42:31	0.2	0.2	0.2	0.2
271	4/15/2019	10:43:01	0.2	0.2	0.2	0.2
272	4/15/2019	10:43:31	0.1	0.2	0.2	0.1
273	4/15/2019	10:44:01	0.1	0.2	0.2	0.2
274	4/15/2019	10:44:31	0.1	0.2	0.2	0.1
275	4/15/2019	10:45:01	0.1	0.2	0.2	0.2
276	4/15/2019	10:45:31	0.1	0.1	0.2	0.1
277	4/15/2019	10:46:01	0.1	0.1	0.2	0.1
278	4/15/2019	10:46:31	0.1	0.1	0.2	0.1
279	4/15/2019	10:47:01	0.1	0.1	0.1	0.1
280	4/15/2019	10:47:31	0.1	0.1	0.1	0.1
281	4/15/2019	10:48:01	0.1	0.1	0.1	0.1
282	4/15/2019	10:48:31	0.1	0.1	0.1	0.1
283	4/15/2019	10:49:01	0.1	0.1	0.1	0.1
284	4/15/2019	10:49:31	0.1	0.1	0.1	0.1
285	4/15/2019	10:50:01	0.1	0.1	0.1	0.1
286	4/15/2019	10:50:31	0.1	0.1	0.1	0.1
287	4/15/2019	10:51:01	0.1	0.1	0.1	0.1
288	4/15/2019	10:51:31	0.1	0.1	0.1	0.1
289	4/15/2019	10:52:01	0.1	0.1	0.1	0.1
290	4/15/2019	10:52:31	0.1	0.1	0.1	0.1
291	4/15/2019	10:53:01	0.1	0.1	0.1	0.1
292	4/15/2019	10:53:31	0.1	0.1	0.1	0.1
293	4/15/2019	10:54:01	0.1	0.1	0.1	0.1
294	4/15/2019	10:54:31	0.1	0.1	0.1	0.1
295	4/15/2019	10:55:01	0.1	0.1	0.1	0.1
296	4/15/2019	10:55:31	0.1	0.1	0.1	0.1
297	4/15/2019	10:56:01	0.1	0.1	0.1	0.1
298	4/15/2019	10:56:31	0.1	0.1	0.1	0.1
299	4/15/2019	10:57:01	0.1	0.1	0.1	0.1
300	4/15/2019	10:57:31	0.1	0.1	0.1	0.1
301	4/15/2019	10:58:01	0.1	0.1	0.1	0.1
302	4/15/2019	10:58:31	0.1	0.1	0.1	0.1

303	4/15/2019	10:59:01	0.1	0.1	0.1	0.1
304	4/15/2019	10:59:31	0.1	0.1	0.1	0.1
305	4/15/2019	11:00:01	0.1	0.1	0.1	0.1
306	4/15/2019	11:00:31	0.1	0.1	0.1	0.1
307	4/15/2019	11:01:01	0.1	0.1	0.1	0.1
308	4/15/2019	11:01:31	0.1	0.1	0.1	0.1
309	4/15/2019	11:02:01	0.1	0.1	0.1	0.1
310	4/15/2019	11:02:31	0.1	0.1	0.1	0.1
311	4/15/2019	11:03:01	0.1	0.1	0.1	0.1
312	4/15/2019	11:03:31	0.1	0.1	0.1	0.1
313	4/15/2019	11:04:01	0.1	0.1	0.1	0.1
314	4/15/2019	11:04:31	0.1	0.1	0.1	0.1
315	4/15/2019	11:05:01	0.1	0.1	0.1	0.1
316	4/15/2019	11:05:31	0.0	0.1	0.1	0.1
317	4/15/2019	11:06:01	0.0	0.1	0.1	0.1
318	4/15/2019	11:06:31	0.1	0.1	0.1	0.1
319	4/15/2019	11:07:01	0.1	0.1	0.1	0.1
320	4/15/2019	11:07:31	0.1	0.1	0.1	0.1
321	4/15/2019	11:08:01	0.1	0.1	0.1	0.1
322	4/15/2019	11:08:31	0.1	0.1	0.1	0.1
323	4/15/2019	11:09:01	0.1	0.1	0.1	0.1
324	4/15/2019	11:09:31	0.1	0.1	0.1	0.1
325	4/15/2019	11:10:01	0.1	0.1	0.1	0.1
326	4/15/2019	11:10:31	0.1	0.1	0.1	0.1
327	4/15/2019	11:11:01	0.0	0.0	0.1	0.0
328	4/15/2019	11:11:31	0.0	0.0	0.0	0.0
329	4/15/2019	11:12:01	0.0	0.0	0.0	0.0
330	4/15/2019	11:12:31	0.0	0.0	0.0	0.0
331	4/15/2019	11:13:01	0.0	0.1	0.1	0.0
332	4/15/2019	11:13:31	0.0	0.0	0.1	0.0
333	4/15/2019	11:14:01	0.0	0.0	0.0	0.0
334	4/15/2019	11:14:31	0.0	0.0	0.1	0.0
335	4/15/2019	11:15:01	0.0	0.1	0.1	0.1
336	4/15/2019	11:15:31	0.0	0.1	0.1	0.1
337	4/15/2019	11:16:01	0.0	0.1	0.1	0.0
338	4/15/2019	11:16:31	0.0	0.0	0.0	0.0
339	4/15/2019	11:17:01	0.0	0.0	0.1	0.1
340	4/15/2019	11:17:31	0.0	0.0	0.1	0.1
341	4/15/2019	11:18:01	0.0	0.0	0.1	0.0
342	4/15/2019	11:18:31	0.0	0.0	0.1	0.0
343	4/15/2019	11:19:01	0.0	0.0	0.0	0.0
344	4/15/2019	11:19:31	0.0	0.0	0.0	0.0
345	4/15/2019	11:20:01	0.0	0.1	0.1	0.1
346	4/15/2019	11:20:31	0.0	0.1	0.1	0.1
347	4/15/2019	11:21:01	0.0	0.1	0.2	0.1
348	4/15/2019	11:21:31	0.1	0.1	0.1	0.1
349	4/15/2019	11:22:01	0.1	0.1	0.1	0.1
350	4/15/2019	11:22:31	0.1	0.1	0.1	0.1
351	4/15/2019	11:23:01	0.1	0.1	0.1	0.1
352	4/15/2019	11:23:31	0.1	0.1	0.1	0.1

353	4/15/2019	11:24:01	0.1	0.1	0.1	0.1
354	4/15/2019	11:24:31	0.1	0.1	0.1	0.1
355	4/15/2019	11:25:01	0.1	0.1	0.1	0.1
356	4/15/2019	11:25:31	0.1	0.1	0.1	0.1
357	4/15/2019	11:26:01	0.1	0.1	0.1	0.1
358	4/15/2019	11:26:31	0.1	0.1	0.1	0.1
359	4/15/2019	11:27:01	0.1	0.1	0.1	0.1
360	4/15/2019	11:27:31	0.1	0.1	0.1	0.1
361	4/15/2019	11:28:01	0.1	0.1	0.1	0.1
362	4/15/2019	11:28:31	0.1	0.1	0.1	0.1
363	4/15/2019	11:29:01	0.1	0.1	0.1	0.1
364	4/15/2019	11:29:31	0.1	0.1	0.1	0.1
365	4/15/2019	11:30:01	0.1	0.1	0.1	0.1
366	4/15/2019	11:30:31	0.1	0.1	0.1	0.1
367	4/15/2019	11:31:01	0.1	0.1	0.1	0.1
368	4/15/2019	11:31:31	0.1	0.1	0.1	0.1
369	4/15/2019	11:32:01	0.1	0.1	0.1	0.1
370	4/15/2019	11:32:31	0.1	0.1	0.1	0.1
371	4/15/2019	11:33:01	0.1	0.1	0.1	0.1
372	4/15/2019	11:33:31	0.1	0.1	0.1	0.1
373	4/15/2019	11:34:01	0.1	0.1	0.1	0.1
374	4/15/2019	11:34:31	0.1	0.1	0.1	0.1
375	4/15/2019	11:35:01	0.1	0.1	0.1	0.1
376	4/15/2019	11:35:31	0.1	0.1	0.1	0.1
377	4/15/2019	11:36:01	0.1	0.1	0.1	0.1
378	4/15/2019	11:36:31	0.1	0.1	0.1	0.1
379	4/15/2019	11:37:01	0.1	0.1	0.1	0.1
380	4/15/2019	11:37:31	0.1	0.1	0.1	0.1
381	4/15/2019	11:38:01	0.1	0.1	0.1	0.1
382	4/15/2019	11:38:31	0.1	0.1	0.1	0.1
383	4/15/2019	11:39:01	0.1	0.1	0.1	0.1
384	4/15/2019	11:39:31	0.1	0.1	0.1	0.1
385	4/15/2019	11:40:01	0.1	0.1	0.1	0.1
386	4/15/2019	11:40:31	0.1	0.1	0.1	0.1
387	4/15/2019	11:41:01	0.1	0.1	0.1	0.1
388	4/15/2019	11:41:31	0.1	0.1	0.1	0.1
389	4/15/2019	11:42:01	0.1	0.1	0.1	0.1
390	4/15/2019	11:42:31	0.1	0.1	0.1	0.1
391	4/15/2019	11:43:01	0.1	0.1	0.1	0.1
392	4/15/2019	11:43:31	0.1	0.1	0.1	0.1
393	4/15/2019	11:44:01	0.1	0.1	0.1	0.1
394	4/15/2019	11:44:31	0.1	0.1	0.1	0.1
395	4/15/2019	11:45:01	0.1	0.1	0.1	0.1
396	4/15/2019	11:45:31	0.1	0.1	0.1	0.1
397	4/15/2019	11:46:01	0.1	0.1	0.1	0.1
398	4/15/2019	11:46:31	0.1	0.1	0.1	0.1
399	4/15/2019	11:47:01	0.1	0.1	0.1	0.1
400	4/15/2019	11:47:31	0.1	0.1	0.1	0.1
401	4/15/2019	11:48:01	0.1	0.1	0.1	0.1
402	4/15/2019	11:48:31	0.1	0.1	0.1	0.1

403	4/15/2019	11:49:01	0.1	0.1	0.1	0.1
404	4/15/2019	11:49:31	0.1	0.1	0.1	0.1
405	4/15/2019	11:50:01	0.1	0.1	0.1	0.1
406	4/15/2019	11:50:31	0.1	0.1	0.1	0.1
407	4/15/2019	11:51:01	0.1	0.1	0.1	0.1
408	4/15/2019	11:51:31	0.1	0.1	0.1	0.1
409	4/15/2019	11:52:01	0.1	0.1	0.1	0.1
410	4/15/2019	11:52:31	0.1	0.1	0.1	0.1
411	4/15/2019	11:53:01	0.1	0.1	0.1	0.1
412	4/15/2019	11:53:31	0.1	0.1	0.1	0.1
413	4/15/2019	11:54:01	0.1	0.1	0.1	0.1
414	4/15/2019	11:54:31	0.1	0.1	0.1	0.1
415	4/15/2019	11:55:01	0.1	0.1	0.1	0.1
416	4/15/2019	11:55:31	0.1	0.1	0.1	0.1
417	4/15/2019	11:56:01	0.1	0.1	0.1	0.1
418	4/15/2019	11:56:31	0.1	0.1	0.1	0.1
419	4/15/2019	11:57:01	0.1	0.1	0.1	0.1
420	4/15/2019	11:57:31	0.1	0.1	0.1	0.1
421	4/15/2019	11:58:01	0.1	0.1	0.1	0.1
422	4/15/2019	11:58:31	0.1	0.1	0.1	0.1
423	4/15/2019	11:59:01	0.1	0.1	0.1	0.1
424	4/15/2019	11:59:31	0.1	0.1	0.1	0.1
425	4/15/2019	12:00:01	0.1	0.1	0.1	0.1
426	4/15/2019	12:00:31	0.1	0.1	0.1	0.1
427	4/15/2019	12:01:01	0.1	0.1	0.1	0.1
428	4/15/2019	12:01:31	0.1	0.1	0.1	0.1
429	4/15/2019	12:02:01	0.1	0.1	0.1	0.1
430	4/15/2019	12:02:31	0.1	0.1	0.1	0.1
431	4/15/2019	12:03:01	0.1	0.1	0.1	0.1
432	4/15/2019	12:03:31	0.1	0.1	0.1	0.1
433	4/15/2019	12:04:01	0.1	0.1	0.1	0.1
434	4/15/2019	12:04:31	0.1	0.1	0.1	0.1
435	4/15/2019	12:05:01	0.1	0.1	0.1	0.1
436	4/15/2019	12:05:31	0.1	0.1	0.1	0.1
437	4/15/2019	12:06:01	0.1	0.1	0.1	0.1
438	4/15/2019	12:06:31	0.1	0.1	0.1	0.1
439	4/15/2019	12:07:01	0.1	0.1	0.1	0.1
440	4/15/2019	12:07:31	0.1	0.1	0.1	0.1
441	4/15/2019	12:08:01	0.1	0.1	0.1	0.1
442	4/15/2019	12:08:31	0.1	0.1	0.1	0.1
443	4/15/2019	12:09:01	0.1	0.1	0.1	0.1
444	4/15/2019	12:09:31	0.1	0.1	0.1	0.1
445	4/15/2019	12:10:01	0.1	0.1	0.1	0.1
446	4/15/2019	12:10:31	0.1	0.1	0.1	0.1
447	4/15/2019	12:11:01	0.1	0.1	0.1	0.1
448	4/15/2019	12:11:31	0.1	0.1	0.1	0.1
449	4/15/2019	12:12:01	0.1	0.1	0.1	0.1
450	4/15/2019	12:12:31	0.1	0.1	0.1	0.1
451	4/15/2019	12:13:01	0.1	0.1	0.1	0.1
452	4/15/2019	12:13:31	0.1	0.1	0.1	0.1

453	4/15/2019 12:14:01	0.1	0.1	0.1	0.1
454	4/15/2019 12:14:31	0.1	0.1	0.1	0.1
455	4/15/2019 12:15:01	0.1	0.1	0.1	0.1
456	4/15/2019 12:15:31	0.1	0.1	0.1	0.1
457	4/15/2019 12:16:01	0.1	0.1	0.1	0.1
458	4/15/2019 12:16:31	0.1	0.1	0.1	0.1
459	4/15/2019 12:17:01	0.1	0.1	0.1	0.1
460	4/15/2019 12:17:31	0.1	0.1	0.1	0.1
461	4/15/2019 12:18:01	0.1	0.1	0.1	0.1
462	4/15/2019 12:18:31	0.1	0.1	0.1	0.1
463	4/15/2019 12:19:01	0.1	0.1	0.1	0.1
464	4/15/2019 12:19:31	0.1	0.1	0.1	0.1
465	4/15/2019 12:20:01	0.1	0.1	0.1	0.1
466	4/15/2019 12:20:31	0.1	0.1	0.1	0.1
467	4/15/2019 12:21:01	0.1	0.1	0.1	0.1
468	4/15/2019 12:21:31	0.1	0.1	0.1	0.1
469	4/15/2019 12:22:01	0.1	0.1	0.1	0.1
470	4/15/2019 12:22:31	0.1	0.1	0.1	0.1
471	4/15/2019 12:23:01	0.1	0.1	0.1	0.1
472	4/15/2019 12:23:31	0.1	0.1	0.1	0.1
473	4/15/2019 12:24:01	0.1	0.1	0.1	0.1
474	4/15/2019 12:24:31	0.1	0.1	0.1	0.1
475	4/15/2019 12:25:01	0.1	0.1	0.1	0.1
476	4/15/2019 12:25:31	0.1	0.1	0.1	0.1
477	4/15/2019 12:26:01	0.1	0.1	0.1	0.1
478	4/15/2019 12:26:31	0.1	0.1	0.1	0.1
479	4/15/2019 12:27:01	0.1	0.1	0.1	0.1
480	4/15/2019 12:27:31	0.1	0.1	0.1	0.1
481	4/15/2019 12:28:01	0.1	0.1	0.1	0.1
482	4/15/2019 12:28:31	0.1	0.1	0.1	0.1
483	4/15/2019 12:29:01	0.1	0.1	0.1	0.1
484	4/15/2019 12:29:31	0.1	0.1	0.1	0.1
485	4/15/2019 12:30:01	0.1	0.1	0.1	0.1
486	4/15/2019 12:30:31	0.1	0.1	0.1	0.1
487	4/15/2019 12:31:01	0.1	0.1	0.1	0.1
488	4/15/2019 12:31:31	0.1	0.1	0.1	0.1
489	4/15/2019 12:32:01	0.1	0.1	0.1	0.1
490	4/15/2019 12:32:31	0.1	0.1	0.1	0.1
491	4/15/2019 12:33:01	0.1	0.1	0.1	0.1
492	4/15/2019 12:33:31	0.1	0.1	0.1	0.1
493	4/15/2019 12:34:01	0.1	0.1	0.1	0.1
494	4/15/2019 12:34:31	0.1	0.1	0.1	0.1
495	4/15/2019 12:35:01	0.1	0.1	0.1	0.1
496	4/15/2019 12:35:31	0.1	0.1	0.1	0.1
497	4/15/2019 12:36:01	0.1	0.1	0.1	0.1
498	4/15/2019 12:36:31	0.1	0.1	0.3	0.3
499	4/15/2019 12:37:01	0.1	0.4	1.2	0.4
500	4/15/2019 12:37:31	0.2	0.4	0.8	0.2
501	4/15/2019 12:38:01	0.2	0.2	0.2	0.2
502	4/15/2019 12:38:31	0.1	0.2	0.2	0.1

503	4/15/2019	12:39:01	0.1	0.1	0.2	0.1
504	4/15/2019	12:39:31	0.1	0.1	0.1	0.1
505	4/15/2019	12:40:01	0.1	0.1	0.1	0.1
506	4/15/2019	12:40:31	0.1	0.1	0.1	0.1
507	4/15/2019	12:41:01	0.1	0.1	0.1	0.1
508	4/15/2019	12:41:31	0.1	0.1	0.1	0.1
509	4/15/2019	12:42:01	0.1	0.1	0.1	0.1
510	4/15/2019	12:42:31	0.1	0.1	0.1	0.1
511	4/15/2019	12:43:01	0.1	0.1	0.1	0.1
512	4/15/2019	12:43:31	0.1	0.1	0.1	0.1
513	4/15/2019	12:44:01	0.1	0.1	0.1	0.1
514	4/15/2019	12:44:31	0.1	0.1	0.1	0.1
515	4/15/2019	12:45:01	0.1	0.1	0.1	0.1
516	4/15/2019	12:45:31	0.1	0.1	0.1	0.1
517	4/15/2019	12:46:01	0.1	0.1	0.1	0.1
518	4/15/2019	12:46:31	0.1	0.1	0.1	0.1
519	4/15/2019	12:47:01	0.1	0.1	0.1	0.1
520	4/15/2019	12:47:31	0.1	0.1	0.1	0.1
521	4/15/2019	12:48:01	0.1	0.1	0.1	0.1
522	4/15/2019	12:48:31	0.1	0.1	0.1	0.1
523	4/15/2019	12:49:01	0.1	0.1	0.1	0.1
524	4/15/2019	12:49:31	0.1	0.1	0.1	0.1
525	4/15/2019	12:50:01	0.1	0.1	0.1	0.1
526	4/15/2019	12:50:31	0.1	0.1	0.1	0.1
527	4/15/2019	12:51:01	0.1	0.1	0.1	0.1
528	4/15/2019	12:51:31	0.1	0.1	0.1	0.1
529	4/15/2019	12:52:01	0.1	0.1	0.1	0.1
530	4/15/2019	12:52:31	0.1	0.1	0.1	0.1
531	4/15/2019	12:53:01	0.1	0.1	0.1	0.1
532	4/15/2019	12:53:31	0.1	0.1	0.1	0.1
533	4/15/2019	12:54:01	0.1	0.1	0.1	0.1
534	4/15/2019	12:54:31	0.1	0.1	0.1	0.1
535	4/15/2019	12:55:01	0.1	0.1	0.1	0.1
536	4/15/2019	12:55:31	0.1	0.1	0.1	0.1
537	4/15/2019	12:56:01	0.1	0.1	0.1	0.1
538	4/15/2019	12:56:31	0.1	0.1	0.1	0.1
539	4/15/2019	12:57:01	0.1	0.1	0.1	0.1
540	4/15/2019	12:57:31	0.1	0.1	0.1	0.1
541	4/15/2019	12:58:01	0.1	0.1	0.1	0.1
542	4/15/2019	12:58:31	0.1	0.1	0.1	0.1
543	4/15/2019	12:59:01	0.1	0.1	0.1	0.1
544	4/15/2019	12:59:31	0.1	0.1	0.1	0.1
545	4/15/2019	13:00:01	0.1	0.2	0.4	0.1
546	4/15/2019	13:00:31	0.1	0.2	0.3	0.2
547	4/15/2019	13:01:01	0.1	0.1	0.2	0.1
548	4/15/2019	13:01:31	0.1	0.1	0.1	0.1
549	4/15/2019	13:02:01	0.1	0.1	0.1	0.1
550	4/15/2019	13:02:31	0.1	0.1	0.1	0.1
551	4/15/2019	13:03:01	0.1	0.1	0.1	0.1
552	4/15/2019	13:03:31	0.1	0.1	0.1	0.1

553	4/15/2019	13:04:01	0.1	0.1	0.1	0.1
554	4/15/2019	13:04:31	0.1	0.1	0.1	0.1
555	4/15/2019	13:05:01	0.1	0.1	0.1	0.1
556	4/15/2019	13:05:31	0.1	0.1	0.1	0.1
557	4/15/2019	13:06:01	0.1	0.1	0.1	0.1
558	4/15/2019	13:06:31	0.1	0.1	0.1	0.1
559	4/15/2019	13:07:01	0.1	0.1	0.1	0.1
560	4/15/2019	13:07:31	0.1	0.1	0.1	0.1
561	4/15/2019	13:08:01	0.1	0.1	0.1	0.1
562	4/15/2019	13:08:31	0.1	0.1	0.1	0.1
563	4/15/2019	13:09:01	0.1	0.1	0.1	0.1
564	4/15/2019	13:09:31	0.1	0.1	0.1	0.1
565	4/15/2019	13:10:01	0.1	0.1	0.1	0.1
566	4/15/2019	13:10:31	0.1	0.1	0.1	0.1
567	4/15/2019	13:11:01	0.1	0.1	0.1	0.1
568	4/15/2019	13:11:31	0.1	0.1	0.2	0.1
569	4/15/2019	13:12:01	0.1	0.2	0.2	0.1
570	4/15/2019	13:12:31	0.1	0.1	0.2	0.2
571	4/15/2019	13:13:01	0.1	0.1	0.2	0.1
572	4/15/2019	13:13:31	0.1	0.1	0.2	0.2
573	4/15/2019	13:14:01	0.1	0.1	0.2	0.1
574	4/15/2019	13:14:31	0.1	0.1	0.2	0.1
575	4/15/2019	13:15:01	0.1	0.1	0.2	0.2
576	4/15/2019	13:15:31	0.1	0.1	0.2	0.1
577	4/15/2019	13:16:01	0.1	0.1	0.2	0.1
578	4/15/2019	13:16:31	0.1	0.1	0.1	0.1
579	4/15/2019	13:17:01	0.1	0.1	0.1	0.1
580	4/15/2019	13:17:31	0.1	0.1	0.1	0.1
581	4/15/2019	13:18:01	0.1	0.1	0.1	0.1
582	4/15/2019	13:18:31	0.1	0.1	0.1	0.1
583	4/15/2019	13:19:01	0.1	0.1	0.1	0.1
584	4/15/2019	13:19:31	0.1	0.1	0.1	0.1
585	4/15/2019	13:20:01	0.1	0.1	0.2	0.1
586	4/15/2019	13:20:31	0.1	0.1	0.1	0.1
587	4/15/2019	13:21:01	0.1	0.1	0.1	0.1
588	4/15/2019	13:21:31	0.1	0.1	0.1	0.1
589	4/15/2019	13:22:01	0.1	0.1	0.1	0.1
590	4/15/2019	13:22:31	0.1	0.1	0.1	0.1
591	4/15/2019	13:23:01	0.1	0.1	0.1	0.1
592	4/15/2019	13:23:31	0.1	0.1	0.1	0.1
593	4/15/2019	13:24:01	0.1	0.1	0.1	0.1
594	4/15/2019	13:24:31	0.1	0.1	0.1	0.1
595	4/15/2019	13:25:01	0.1	0.1	0.1	0.1
596	4/15/2019	13:25:31	0.1	0.1	0.1	0.1
597	4/15/2019	13:26:01	0.1	0.1	0.1	0.1
598	4/15/2019	13:26:31	0.1	0.1	0.1	0.1
599	4/15/2019	13:27:01	0.1	0.1	0.1	0.1
600	4/15/2019	13:27:31	0.1	0.1	0.1	0.1
601	4/15/2019	13:28:01	0.1	0.1	0.1	0.1
602	4/15/2019	13:28:31	0.1	0.1	0.1	0.1

603	4/15/2019	13:29:01	0.1	0.1	0.1	0.1
604	4/15/2019	13:29:31	0.1	0.1	0.1	0.1
605	4/15/2019	13:30:01	0.1	0.1	0.1	0.1
606	4/15/2019	13:30:31	0.1	0.1	0.1	0.1
607	4/15/2019	13:31:01	0.1	0.1	0.1	0.1
608	4/15/2019	13:31:31	0.1	0.1	0.1	0.1
609	4/15/2019	13:32:01	0.1	0.1	0.1	0.1
610	4/15/2019	13:32:31	0.1	0.1	0.1	0.1
611	4/15/2019	13:33:01	0.1	0.1	0.1	0.1
612	4/15/2019	13:33:31	0.1	0.1	0.1	0.1
613	4/15/2019	13:34:01	0.1	0.1	0.1	0.1
614	4/15/2019	13:34:31	0.1	0.1	0.1	0.1
615	4/15/2019	13:35:01	0.1	0.1	0.1	0.1
616	4/15/2019	13:35:31	0.1	0.1	0.1	0.1
617	4/15/2019	13:36:01	0.1	0.1	0.1	0.1
618	4/15/2019	13:36:31	0.1	0.1	0.1	0.1
619	4/15/2019	13:37:01	0.1	0.1	0.1	0.1
620	4/15/2019	13:37:31	0.1	0.1	0.1	0.1
621	4/15/2019	13:38:01	0.1	0.1	0.1	0.1
622	4/15/2019	13:38:31	0.1	0.1	0.1	0.1
623	4/15/2019	13:39:01	0.1	0.1	0.1	0.1
624	4/15/2019	13:39:31	0.1	0.1	0.1	0.1
625	4/15/2019	13:40:01	0.1	0.1	0.1	0.1
626	4/15/2019	13:40:31	0.1	0.1	0.1	0.1
627	4/15/2019	13:41:01	0.1	0.1	0.1	0.1
628	4/15/2019	13:41:31	0.1	0.1	0.1	0.1
629	4/15/2019	13:42:01	0.1	0.1	0.1	0.1
630	4/15/2019	13:42:31	0.1	0.1	0.1	0.1
631	4/15/2019	13:43:01	0.1	0.1	0.1	0.1
632	4/15/2019	13:43:31	0.1	0.1	0.1	0.1
633	4/15/2019	13:44:01	0.1	0.1	0.1	0.1
634	4/15/2019	13:44:31	0.1	0.1	0.1	0.1
635	4/15/2019	13:45:01	0.1	0.1	0.1	0.1
636	4/15/2019	13:45:31	0.1	0.1	0.1	0.1
637	4/15/2019	13:46:01	0.1	0.1	0.1	0.1
638	4/15/2019	13:46:31	0.1	0.1	0.1	0.1
639	4/15/2019	13:47:01	0.1	0.1	0.1	0.1
640	4/15/2019	13:47:31	0.1	0.1	0.1	0.1
641	4/15/2019	13:48:01	0.1	0.1	0.1	0.1
642	4/15/2019	13:48:31	0.1	0.1	0.1	0.1
643	4/15/2019	13:49:01	0.1	0.1	0.1	0.1
644	4/15/2019	13:49:31	0.1	0.1	0.1	0.1
645	4/15/2019	13:50:01	0.1	0.1	0.1	0.1
646	4/15/2019	13:50:31	0.1	0.1	0.1	0.1
647	4/15/2019	13:51:01	0.1	0.1	0.1	0.1
648	4/15/2019	13:51:31	0.1	0.1	0.1	0.1
649	4/15/2019	13:52:01	0.1	0.1	0.1	0.1
650	4/15/2019	13:52:31	0.1	0.1	0.1	0.1
651	4/15/2019	13:53:01	0.1	0.1	0.1	0.1
652	4/15/2019	13:53:31	0.1	0.1	0.1	0.1

653	4/15/2019	13:54:01	0.1	0.1	0.1	0.1
654	4/15/2019	13:54:31	0.1	0.1	0.1	0.1
655	4/15/2019	13:55:01	0.1	0.1	0.1	0.1
656	4/15/2019	13:55:31	0.1	0.1	0.1	0.1
657	4/15/2019	13:56:01	0.1	0.1	0.1	0.1
658	4/15/2019	13:56:31	0.1	0.1	0.1	0.1
659	4/15/2019	13:57:01	0.1	0.1	0.1	0.1
660	4/15/2019	13:57:31	0.1	0.1	0.1	0.1
661	4/15/2019	13:58:01	0.1	0.1	0.1	0.1
662	4/15/2019	13:58:31	0.1	0.1	0.1	0.1
663	4/15/2019	13:59:01	0.1	0.1	0.1	0.1
664	4/15/2019	13:59:31	0.1	0.1	0.1	0.1
665	4/15/2019	14:00:01	0.1	0.1	0.1	0.1
666	4/15/2019	14:00:31	0.1	0.1	0.1	0.1
667	4/15/2019	14:01:01	0.1	0.1	0.1	0.1
668	4/15/2019	14:01:31	0.1	0.1	0.1	0.1
669	4/15/2019	14:02:01	0.1	0.1	0.1	0.1
670	4/15/2019	14:02:31	0.1	0.1	0.1	0.1
671	4/15/2019	14:03:01	0.1	0.1	0.1	0.1
672	4/15/2019	14:03:31	0.1	0.1	0.1	0.1
673	4/15/2019	14:04:01	0.1	0.1	0.1	0.1
674	4/15/2019	14:04:31	0.1	0.1	0.1	0.1
675	4/15/2019	14:05:01	0.1	0.1	0.1	0.1
676	4/15/2019	14:05:31	0.1	0.1	0.1	0.1
677	4/15/2019	14:06:01	0.1	0.1	0.1	0.1
678	4/15/2019	14:06:31	0.1	0.1	0.1	0.1
679	4/15/2019	14:07:01	0.1	0.1	0.1	0.1
680	4/15/2019	14:07:31	0.1	0.1	0.1	0.1
681	4/15/2019	14:08:01	0.1	0.1	0.1	0.1
682	4/15/2019	14:08:31	0.1	0.1	0.1	0.1
683	4/15/2019	14:09:01	0.1	0.1	0.1	0.1
684	4/15/2019	14:09:31	0.1	0.1	0.1	0.1
685	4/15/2019	14:10:01	0.1	0.1	0.1	0.1
686	4/15/2019	14:10:31	0.1	0.1	0.1	0.1
687	4/15/2019	14:11:01	0.1	0.1	0.1	0.1
688	4/15/2019	14:11:31	0.1	0.1	0.1	0.1
689	4/15/2019	14:12:01	0.1	0.1	0.1	0.1
690	4/15/2019	14:12:31	0.1	0.1	0.1	0.1
691	4/15/2019	14:13:01	0.1	0.1	0.1	0.1
692	4/15/2019	14:13:31	0.1	0.1	0.1	0.1
693	4/15/2019	14:14:01	0.1	0.1	0.1	0.1
694	4/15/2019	14:14:31	0.1	0.1	0.1	0.1
695	4/15/2019	14:15:01	0.1	0.1	0.1	0.1
696	4/15/2019	14:15:31	0.1	0.1	0.1	0.1
697	4/15/2019	14:16:01	0.1	0.1	0.1	0.1
698	4/15/2019	14:16:31	0.1	0.1	0.1	0.1
699	4/15/2019	14:17:01	0.1	0.1	0.1	0.1
700	4/15/2019	14:17:31	0.1	0.1	0.1	0.1
701	4/15/2019	14:18:01	0.1	0.1	0.1	0.1
702	4/15/2019	14:18:31	0.1	0.1	0.1	0.1

703	4/15/2019	14:19:01	0.1	0.1	0.1	0.1
704	4/15/2019	14:19:31	0.1	0.1	0.1	0.1
705	4/15/2019	14:20:01	0.1	0.1	0.1	0.1
706	4/15/2019	14:20:31	0.1	0.1	0.1	0.1
707	4/15/2019	14:21:01	0.1	0.1	0.1	0.1
708	4/15/2019	14:21:31	0.1	0.1	0.1	0.1
709	4/15/2019	14:22:01	0.1	0.1	0.1	0.1
710	4/15/2019	14:22:31	0.1	0.1	0.1	0.1
711	4/15/2019	14:23:01	0.1	0.1	0.1	0.1
712	4/15/2019	14:23:31	0.1	0.1	0.1	0.1
713	4/15/2019	14:24:01	0.1	0.1	0.1	0.1
714	4/15/2019	14:24:31	0.1	0.1	0.1	0.1
715	4/15/2019	14:25:01	0.1	0.1	0.1	0.1
716	4/15/2019	14:25:31	0.1	0.1	0.1	0.1
717	4/15/2019	14:26:01	0.1	0.1	0.1	0.1
718	4/15/2019	14:26:31	0.1	0.1	0.1	0.1
Peak			0.2	0.4	1.2	0.4
Min			0.0	0.0	0.0	0.0
Average			0.1	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/15/2019 08:28:01	0.0	---
002	4/15/2019 08:28:31	0.0	---
003	4/15/2019 08:29:01	0.0	---
004	4/15/2019 08:29:31	0.0	---
005	4/15/2019 08:30:01	0.0	---
006	4/15/2019 08:30:31	0.0	---
007	4/15/2019 08:31:01	0.0	---
008	4/15/2019 08:31:31	0.0	---
009	4/15/2019 08:32:01	0.0	---
010	4/15/2019 08:32:31	0.0	---
011	4/15/2019 08:33:01	0.0	---
012	4/15/2019 08:33:31	0.0	---
013	4/15/2019 08:34:01	0.0	---
014	4/15/2019 08:34:31	0.0	---
015	4/15/2019 08:35:01	0.0	---
016	4/15/2019 08:35:31	0.0	---
017	4/15/2019 08:36:01	0.0	---
018	4/15/2019 08:36:31	0.0	---
019	4/15/2019 08:37:01	0.0	---
020	4/15/2019 08:37:31	0.0	---
021	4/15/2019 08:38:01	0.0	---
022	4/15/2019 08:38:31	0.0	---
023	4/15/2019 08:39:01	0.0	---
024	4/15/2019 08:39:31	0.0	---
025	4/15/2019 08:40:01	0.0	---
026	4/15/2019 08:40:31	0.0	---

027	4/15/2019	08:41:01	0.0	---
028	4/15/2019	08:41:31	0.0	---
029	4/15/2019	08:42:01	0.0	---
030	4/15/2019	08:42:31	0.0	0.0
031	4/15/2019	08:43:01	0.0	0.0
032	4/15/2019	08:43:31	0.0	0.0
033	4/15/2019	08:44:01	0.0	0.0
034	4/15/2019	08:44:31	0.0	0.0
035	4/15/2019	08:45:01	0.0	0.0
036	4/15/2019	08:45:31	0.0	0.0
037	4/15/2019	08:46:01	0.0	0.0
038	4/15/2019	08:46:31	0.0	0.0
039	4/15/2019	08:47:01	0.0	0.0
040	4/15/2019	08:47:31	0.0	0.0
041	4/15/2019	08:48:01	0.0	0.0
042	4/15/2019	08:48:31	0.0	0.0
043	4/15/2019	08:49:01	0.0	0.0
044	4/15/2019	08:49:31	0.0	0.0
045	4/15/2019	08:50:01	0.0	0.0
046	4/15/2019	08:50:31	0.0	0.0
047	4/15/2019	08:51:01	0.0	0.0
048	4/15/2019	08:51:31	0.0	0.0
049	4/15/2019	08:52:01	0.0	0.0
050	4/15/2019	08:52:31	0.0	0.0
051	4/15/2019	08:53:01	0.0	0.0
052	4/15/2019	08:53:31	0.0	0.0
053	4/15/2019	08:54:01	0.0	0.0
054	4/15/2019	08:54:31	0.0	0.0
055	4/15/2019	08:55:01	0.0	0.0
056	4/15/2019	08:55:31	0.0	0.0
057	4/15/2019	08:56:01	0.0	0.0
058	4/15/2019	08:56:31	0.0	0.0
059	4/15/2019	08:57:01	0.0	0.0
060	4/15/2019	08:57:31	0.0	0.0
061	4/15/2019	08:58:01	0.0	0.0
062	4/15/2019	08:58:31	0.0	0.0
063	4/15/2019	08:59:01	0.0	0.0
064	4/15/2019	08:59:31	0.0	0.0
065	4/15/2019	09:00:01	0.0	0.0
066	4/15/2019	09:00:31	0.0	0.0
067	4/15/2019	09:01:01	0.0	0.0
068	4/15/2019	09:01:31	0.0	0.0
069	4/15/2019	09:02:01	0.0	0.0
070	4/15/2019	09:02:31	0.0	0.0
071	4/15/2019	09:03:01	0.0	0.0
072	4/15/2019	09:03:31	0.0	0.0
073	4/15/2019	09:04:01	0.0	0.0
074	4/15/2019	09:04:31	0.0	0.0
075	4/15/2019	09:05:01	0.0	0.0
076	4/15/2019	09:05:31	0.0	0.0

077	4/15/2019 09:06:01	0.0	0.0
078	4/15/2019 09:06:31	0.0	0.0
079	4/15/2019 09:07:01	0.0	0.0
080	4/15/2019 09:07:31	0.0	0.0
081	4/15/2019 09:08:01	0.0	0.0
082	4/15/2019 09:08:31	0.0	0.0
083	4/15/2019 09:09:01	0.0	0.0
084	4/15/2019 09:09:31	0.0	0.0
085	4/15/2019 09:10:01	0.0	0.0
086	4/15/2019 09:10:31	0.0	0.0
087	4/15/2019 09:11:01	0.0	0.0
088	4/15/2019 09:11:31	0.0	0.0
089	4/15/2019 09:12:01	0.0	0.0
090	4/15/2019 09:12:31	0.0	0.0
091	4/15/2019 09:13:01	0.0	0.0
092	4/15/2019 09:13:31	0.0	0.0
093	4/15/2019 09:14:01	0.0	0.0
094	4/15/2019 09:14:31	0.0	0.0
095	4/15/2019 09:15:01	0.0	0.0
096	4/15/2019 09:15:31	0.0	0.0
097	4/15/2019 09:16:01	0.0	0.0
098	4/15/2019 09:16:31	0.0	0.0
099	4/15/2019 09:17:01	0.0	0.0
100	4/15/2019 09:17:31	0.0	0.0
101	4/15/2019 09:18:01	0.0	0.0
102	4/15/2019 09:18:31	0.0	0.0
103	4/15/2019 09:19:01	0.0	0.0
104	4/15/2019 09:19:31	0.0	0.0
105	4/15/2019 09:20:01	0.0	0.0
106	4/15/2019 09:20:31	0.0	0.0
107	4/15/2019 09:21:01	0.0	0.0
108	4/15/2019 09:21:31	0.0	0.0
109	4/15/2019 09:22:01	0.0	0.0
110	4/15/2019 09:22:31	0.0	0.0
111	4/15/2019 09:23:01	0.0	0.0
112	4/15/2019 09:23:31	0.0	0.0
113	4/15/2019 09:24:01	0.0	0.0
114	4/15/2019 09:24:31	0.0	0.0
115	4/15/2019 09:25:01	0.0	0.0
116	4/15/2019 09:25:31	0.0	0.0
117	4/15/2019 09:26:01	0.0	0.0
118	4/15/2019 09:26:31	0.0	0.0
119	4/15/2019 09:27:01	0.0	0.0
120	4/15/2019 09:27:31	0.0	0.0
121	4/15/2019 09:28:01	0.0	0.1
122	4/15/2019 09:28:31	0.0	0.1
123	4/15/2019 09:29:01	0.0	0.1
124	4/15/2019 09:29:31	0.0	0.1
125	4/15/2019 09:30:01	0.0	0.1
126	4/15/2019 09:30:31	0.0	0.1

127	4/15/2019 09:31:01	0.0	0.1
128	4/15/2019 09:31:31	0.0	0.1
129	4/15/2019 09:32:01	0.0	0.1
130	4/15/2019 09:32:31	0.0	0.1
131	4/15/2019 09:33:01	0.0	0.1
132	4/15/2019 09:33:31	0.0	0.1
133	4/15/2019 09:34:01	0.0	0.1
134	4/15/2019 09:34:31	0.0	0.1
135	4/15/2019 09:35:01	0.0	0.1
136	4/15/2019 09:35:31	0.0	0.1
137	4/15/2019 09:36:01	0.0	0.1
138	4/15/2019 09:36:31	0.0	0.1
139	4/15/2019 09:37:01	0.0	0.1
140	4/15/2019 09:37:31	0.0	0.1
141	4/15/2019 09:38:01	0.0	0.1
142	4/15/2019 09:38:31	0.0	0.1
143	4/15/2019 09:39:01	0.0	0.1
144	4/15/2019 09:39:31	0.0	0.1
145	4/15/2019 09:40:01	0.0	0.1
146	4/15/2019 09:40:31	0.0	0.1
147	4/15/2019 09:41:01	0.0	0.1
148	4/15/2019 09:41:31	0.0	0.1
149	4/15/2019 09:42:01	0.0	0.1
150	4/15/2019 09:42:31	0.0	0.1
151	4/15/2019 09:43:01	0.0	0.1
152	4/15/2019 09:43:31	0.0	0.1
153	4/15/2019 09:44:01	0.0	0.1
154	4/15/2019 09:44:31	0.0	0.1
155	4/15/2019 09:45:01	0.0	0.1
156	4/15/2019 09:45:31	0.0	0.1
157	4/15/2019 09:46:01	0.0	0.1
158	4/15/2019 09:46:31	0.0	0.1
159	4/15/2019 09:47:01	0.0	0.1
160	4/15/2019 09:47:31	0.0	0.1
161	4/15/2019 09:48:01	0.0	0.1
162	4/15/2019 09:48:31	0.0	0.1
163	4/15/2019 09:49:01	0.0	0.1
164	4/15/2019 09:49:31	0.0	0.1
165	4/15/2019 09:50:01	0.0	0.1
166	4/15/2019 09:50:31	0.0	0.1
167	4/15/2019 09:51:01	0.0	0.1
168	4/15/2019 09:51:31	0.0	0.1
169	4/15/2019 09:52:01	0.0	0.1
170	4/15/2019 09:52:31	0.0	0.1
171	4/15/2019 09:53:01	0.0	0.1
172	4/15/2019 09:53:31	0.0	0.1
173	4/15/2019 09:54:01	0.0	0.1
174	4/15/2019 09:54:31	0.0	0.1
175	4/15/2019 09:55:01	0.0	0.1
176	4/15/2019 09:55:31	0.0	0.1

177	4/15/2019 09:56:01	0.0	0.1
178	4/15/2019 09:56:31	0.0	0.1
179	4/15/2019 09:57:01	0.0	0.1
180	4/15/2019 09:57:31	0.0	0.1
181	4/15/2019 09:58:01	0.0	0.1
182	4/15/2019 09:58:31	0.0	0.1
183	4/15/2019 09:59:01	0.0	0.1
184	4/15/2019 09:59:31	0.0	0.1
185	4/15/2019 10:00:01	0.0	0.1
186	4/15/2019 10:00:31	0.0	0.1
187	4/15/2019 10:01:01	0.0	0.1
188	4/15/2019 10:01:31	0.0	0.1
189	4/15/2019 10:02:01	0.0	0.1
190	4/15/2019 10:02:31	0.0	0.1
191	4/15/2019 10:03:01	0.0	0.1
192	4/15/2019 10:03:31	0.0	0.1
193	4/15/2019 10:04:01	0.0	0.1
194	4/15/2019 10:04:31	0.0	0.1
195	4/15/2019 10:05:01	0.0	0.1
196	4/15/2019 10:05:31	0.0	0.1
197	4/15/2019 10:06:01	0.0	0.1
198	4/15/2019 10:06:31	0.0	0.1
199	4/15/2019 10:07:01	0.0	0.1
200	4/15/2019 10:07:31	0.0	0.1
201	4/15/2019 10:08:01	0.0	0.1
202	4/15/2019 10:08:31	0.0	0.1
203	4/15/2019 10:09:01	0.0	0.1
204	4/15/2019 10:09:31	0.0	0.1
205	4/15/2019 10:10:01	0.0	0.1
206	4/15/2019 10:10:31	0.0	0.1
207	4/15/2019 10:11:01	0.0	0.1
208	4/15/2019 10:11:31	0.0	0.1
209	4/15/2019 10:12:01	0.0	0.1
210	4/15/2019 10:12:31	0.0	0.1
211	4/15/2019 10:13:01	0.0	0.1
212	4/15/2019 10:13:31	0.0	0.1
213	4/15/2019 10:14:01	0.0	0.1
214	4/15/2019 10:14:31	0.0	0.1
215	4/15/2019 10:15:01	0.0	0.1
216	4/15/2019 10:15:31	0.0	0.1
217	4/15/2019 10:16:01	0.0	0.1
218	4/15/2019 10:16:31	0.0	0.1
219	4/15/2019 10:17:01	0.0	0.1
220	4/15/2019 10:17:31	0.0	0.1
221	4/15/2019 10:18:01	0.0	0.1
222	4/15/2019 10:18:31	0.0	0.1
223	4/15/2019 10:19:01	0.0	0.1
224	4/15/2019 10:19:31	0.0	0.1
225	4/15/2019 10:20:01	0.0	0.1
226	4/15/2019 10:20:31	0.0	0.1

227	4/15/2019 10:21:01	0.0	0.1
228	4/15/2019 10:21:31	0.0	0.1
229	4/15/2019 10:22:01	0.0	0.1
230	4/15/2019 10:22:31	0.0	0.1
231	4/15/2019 10:23:01	0.0	0.1
232	4/15/2019 10:23:31	0.0	0.1
233	4/15/2019 10:24:01	0.0	0.1
234	4/15/2019 10:24:31	0.0	0.1
235	4/15/2019 10:25:01	0.0	0.1
236	4/15/2019 10:25:31	0.0	0.1
237	4/15/2019 10:26:01	0.0	0.1
238	4/15/2019 10:26:31	0.0	0.1
239	4/15/2019 10:27:01	0.0	0.1
240	4/15/2019 10:27:31	0.0	0.1
241	4/15/2019 10:28:01	0.0	0.1
242	4/15/2019 10:28:31	0.0	0.1
243	4/15/2019 10:29:01	0.0	0.1
244	4/15/2019 10:29:31	0.0	0.1
245	4/15/2019 10:30:01	0.0	0.1
246	4/15/2019 10:30:31	0.0	0.1
247	4/15/2019 10:31:01	0.0	0.1
248	4/15/2019 10:31:31	0.0	0.1
249	4/15/2019 10:32:01	0.0	0.1
250	4/15/2019 10:32:31	0.0	0.1
251	4/15/2019 10:33:01	0.0	0.1
252	4/15/2019 10:33:31	0.0	0.1
253	4/15/2019 10:34:01	0.0	0.1
254	4/15/2019 10:34:31	0.0	0.1
255	4/15/2019 10:35:01	0.0	0.1
256	4/15/2019 10:35:31	0.0	0.1
257	4/15/2019 10:36:01	0.0	0.1
258	4/15/2019 10:36:31	0.0	0.1
259	4/15/2019 10:37:01	0.0	0.1
260	4/15/2019 10:37:31	0.0	0.1
261	4/15/2019 10:38:01	0.0	0.1
262	4/15/2019 10:38:31	0.0	0.1
263	4/15/2019 10:39:01	0.0	0.1
264	4/15/2019 10:39:31	0.0	0.1
265	4/15/2019 10:40:01	0.0	0.1
266	4/15/2019 10:40:31	0.0	0.1
267	4/15/2019 10:41:01	0.0	0.1
268	4/15/2019 10:41:31	0.0	0.2
269	4/15/2019 10:42:01	0.0	0.2
270	4/15/2019 10:42:31	0.0	0.2
271	4/15/2019 10:43:01	0.0	0.2
272	4/15/2019 10:43:31	0.0	0.2
273	4/15/2019 10:44:01	0.0	0.2
274	4/15/2019 10:44:31	0.0	0.2
275	4/15/2019 10:45:01	0.0	0.2
276	4/15/2019 10:45:31	0.0	0.2

277	4/15/2019 10:46:01	0.0	0.2
278	4/15/2019 10:46:31	0.0	0.2
279	4/15/2019 10:47:01	0.0	0.2
280	4/15/2019 10:47:31	0.0	0.2
281	4/15/2019 10:48:01	0.0	0.2
282	4/15/2019 10:48:31	0.0	0.2
283	4/15/2019 10:49:01	0.0	0.2
284	4/15/2019 10:49:31	0.0	0.2
285	4/15/2019 10:50:01	0.0	0.2
286	4/15/2019 10:50:31	0.0	0.2
287	4/15/2019 10:51:01	0.0	0.2
288	4/15/2019 10:51:31	0.0	0.1
289	4/15/2019 10:52:01	0.0	0.1
290	4/15/2019 10:52:31	0.0	0.1
291	4/15/2019 10:53:01	0.0	0.1
292	4/15/2019 10:53:31	0.0	0.1
293	4/15/2019 10:54:01	0.0	0.1
294	4/15/2019 10:54:31	0.0	0.1
295	4/15/2019 10:55:01	0.0	0.1
296	4/15/2019 10:55:31	0.0	0.1
297	4/15/2019 10:56:01	0.0	0.1
298	4/15/2019 10:56:31	0.0	0.1
299	4/15/2019 10:57:01	0.0	0.1
300	4/15/2019 10:57:31	0.0	0.1
301	4/15/2019 10:58:01	0.0	0.1
302	4/15/2019 10:58:31	0.0	0.1
303	4/15/2019 10:59:01	0.0	0.1
304	4/15/2019 10:59:31	0.0	0.1
305	4/15/2019 11:00:01	0.0	0.1
306	4/15/2019 11:00:31	0.0	0.1
307	4/15/2019 11:01:01	0.0	0.1
308	4/15/2019 11:01:31	0.0	0.1
309	4/15/2019 11:02:01	0.0	0.1
310	4/15/2019 11:02:31	0.0	0.1
311	4/15/2019 11:03:01	0.0	0.1
312	4/15/2019 11:03:31	0.0	0.1
313	4/15/2019 11:04:01	0.0	0.1
314	4/15/2019 11:04:31	0.0	0.1
315	4/15/2019 11:05:01	0.0	0.1
316	4/15/2019 11:05:31	0.0	0.1
317	4/15/2019 11:06:01	0.0	0.1
318	4/15/2019 11:06:31	0.0	0.1
319	4/15/2019 11:07:01	0.0	0.1
320	4/15/2019 11:07:31	0.0	0.1
321	4/15/2019 11:08:01	0.0	0.1
322	4/15/2019 11:08:31	0.0	0.1
323	4/15/2019 11:09:01	0.0	0.1
324	4/15/2019 11:09:31	0.0	0.1
325	4/15/2019 11:10:01	0.0	0.1
326	4/15/2019 11:10:31	0.0	0.1

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692	4/15/2019 14:13:31	0.1	0.1
693	4/15/2019 14:14:01	0.1	0.1
694	4/15/2019 14:14:31	0.1	0.1
695	4/15/2019 14:15:01	0.1	0.1
696	4/15/2019 14:15:31	0.1	0.1
697	4/15/2019 14:16:01	0.1	0.1
698	4/15/2019 14:16:31	0.1	0.1
699	4/15/2019 14:17:01	0.1	0.1
700	4/15/2019 14:17:31	0.1	0.1
701	4/15/2019 14:18:01	0.1	0.1
702	4/15/2019 14:18:31	0.1	0.1
703	4/15/2019 14:19:01	0.1	0.1
704	4/15/2019 14:19:31	0.1	0.1
705	4/15/2019 14:20:01	0.1	0.1
706	4/15/2019 14:20:31	0.1	0.1
707	4/15/2019 14:21:01	0.1	0.1
708	4/15/2019 14:21:31	0.1	0.1
709	4/15/2019 14:22:01	0.1	0.1
710	4/15/2019 14:22:31	0.1	0.1
711	4/15/2019 14:23:01	0.1	0.1
712	4/15/2019 14:23:31	0.1	0.1
713	4/15/2019 14:24:01	0.1	0.1
714	4/15/2019 14:24:31	0.1	0.1
715	4/15/2019 14:25:01	0.1	0.1
716	4/15/2019 14:25:31	0.1	0.1
717	4/15/2019 14:26:01	0.1	0.1
718	4/15/2019 14:26:31	0.1	0.1

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19/04/16 07:24

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-908425

Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/16/2019 07:24:53
End 4/16/2019 07:25:38
Sample Period(s) 30
Number of Records 1

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/15/2019 08:03
Peak 0.2
Min 0.2
Average 0.2

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/16/2019 07:25:23	0.0	0.1	0.2	0.2	
Peak		0.0	0.1	0.2	0.2	
Min		0.0	0.1	0.2	0.2	
Average		0.0	0.1	0.2	0.2	

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/16/2019 07:25:23	0.0	---

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19/04/16 07:46

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/16/2019 07:46:37
End 4/16/2019 14:28:20
Sample Period(s) 30
Number of Records 803

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/15/2019 08:03
Peak 0.1
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/16/2019 07:47:07	0.0	0.0	0.0	0.0	
002	4/16/2019 07:47:37	0.0	0.0	0.0	0.0	
003	4/16/2019 07:48:07	0.0	0.0	0.0	0.0	
004	4/16/2019 07:48:37	0.0	0.0	0.0	0.0	
005	4/16/2019 07:49:07	0.0	0.0	0.0	0.0	
006	4/16/2019 07:49:37	0.0	0.0	0.0	0.0	
007	4/16/2019 07:50:07	0.0	0.0	0.0	0.0	
008	4/16/2019 07:50:37	0.0	0.0	0.0	0.0	
009	4/16/2019 07:51:07	0.0	0.0	0.0	0.0	
010	4/16/2019 07:51:37	0.0	0.0	0.0	0.0	
011	4/16/2019 07:52:07	0.0	0.0	0.0	0.0	
012	4/16/2019 07:52:37	0.0	0.0	0.0	0.0	
013	4/16/2019 07:53:07	0.0	0.0	0.0	0.0	
014	4/16/2019 07:53:37	0.0	0.0	0.0	0.0	

015	4/16/2019	07:54:07	0.0	0.0	0.0	0.0
016	4/16/2019	07:54:37	0.0	0.0	0.0	0.0
017	4/16/2019	07:55:07	0.0	0.0	0.0	0.0
018	4/16/2019	07:55:37	0.0	0.0	0.0	0.0
019	4/16/2019	07:56:07	0.0	0.0	0.0	0.0
020	4/16/2019	07:56:37	0.0	0.0	0.0	0.0
021	4/16/2019	07:57:07	0.0	0.0	0.0	0.0
022	4/16/2019	07:57:37	0.0	0.0	0.0	0.0
023	4/16/2019	07:58:07	0.0	0.0	0.0	0.0
024	4/16/2019	07:58:37	0.0	0.0	0.0	0.0
025	4/16/2019	07:59:07	0.0	0.0	0.0	0.0
026	4/16/2019	07:59:37	0.0	0.0	0.0	0.0
027	4/16/2019	08:00:07	0.0	0.0	0.0	0.0
028	4/16/2019	08:00:37	0.0	0.0	0.0	0.0
029	4/16/2019	08:01:07	0.0	0.0	0.0	0.0
030	4/16/2019	08:01:37	0.0	0.0	0.0	0.0
031	4/16/2019	08:02:07	0.0	0.0	0.0	0.0
032	4/16/2019	08:02:37	0.0	0.0	0.0	0.0
033	4/16/2019	08:03:07	0.0	0.0	0.0	0.0
034	4/16/2019	08:03:37	0.0	0.0	0.0	0.0
035	4/16/2019	08:04:07	0.0	0.0	0.0	0.0
036	4/16/2019	08:04:37	0.0	0.0	0.0	0.0
037	4/16/2019	08:05:07	0.0	0.0	0.0	0.0
038	4/16/2019	08:05:37	0.0	0.0	0.0	0.0
039	4/16/2019	08:06:07	0.0	0.0	0.0	0.0
040	4/16/2019	08:06:37	0.0	0.0	0.0	0.0
041	4/16/2019	08:07:07	0.0	0.0	0.0	0.0
042	4/16/2019	08:07:37	0.0	0.0	0.0	0.0
043	4/16/2019	08:08:07	0.0	0.0	0.0	0.0
044	4/16/2019	08:08:37	0.0	0.0	0.0	0.0
045	4/16/2019	08:09:07	0.0	0.0	0.0	0.0
046	4/16/2019	08:09:37	0.0	0.0	0.0	0.0
047	4/16/2019	08:10:07	0.0	0.0	0.0	0.0
048	4/16/2019	08:10:37	0.0	0.0	0.0	0.0
049	4/16/2019	08:11:07	0.0	0.0	0.0	0.0
050	4/16/2019	08:11:37	0.0	0.0	0.0	0.0
051	4/16/2019	08:12:07	0.0	0.0	0.0	0.0
052	4/16/2019	08:12:37	0.0	0.0	0.0	0.0
053	4/16/2019	08:13:07	0.0	0.0	0.0	0.0
054	4/16/2019	08:13:37	0.0	0.0	0.0	0.0
055	4/16/2019	08:14:07	0.0	0.0	0.0	0.0
056	4/16/2019	08:14:37	0.0	0.0	0.0	0.0
057	4/16/2019	08:15:07	0.0	0.0	0.0	0.0
058	4/16/2019	08:15:37	0.0	0.0	0.0	0.0
059	4/16/2019	08:16:07	0.0	0.0	0.0	0.0
060	4/16/2019	08:16:37	0.0	0.0	0.0	0.0
061	4/16/2019	08:17:07	0.0	0.0	0.0	0.0
062	4/16/2019	08:17:37	0.0	0.0	0.0	0.0
063	4/16/2019	08:18:07	0.0	0.0	0.0	0.0
064	4/16/2019	08:18:37	0.0	0.0	0.0	0.0

065	4/16/2019	08:19:07	0.0	0.0	0.0	0.0
066	4/16/2019	08:19:37	0.0	0.0	0.0	0.0
067	4/16/2019	08:20:07	0.0	0.0	0.0	0.0
068	4/16/2019	08:20:37	0.0	0.0	0.0	0.0
069	4/16/2019	08:21:07	0.0	0.0	0.0	0.0
070	4/16/2019	08:21:37	0.0	0.0	0.0	0.0
071	4/16/2019	08:22:07	0.0	0.0	0.0	0.0
072	4/16/2019	08:22:37	0.0	0.0	0.0	0.0
073	4/16/2019	08:23:07	0.0	0.0	0.0	0.0
074	4/16/2019	08:23:37	0.0	0.0	0.0	0.0
075	4/16/2019	08:24:07	0.0	0.0	0.0	0.0
076	4/16/2019	08:24:37	0.0	0.0	0.0	0.0
077	4/16/2019	08:25:07	0.0	0.0	0.0	0.0
078	4/16/2019	08:25:37	0.0	0.0	0.0	0.0
079	4/16/2019	08:26:07	0.0	0.0	0.0	0.0
080	4/16/2019	08:26:37	0.0	0.0	0.0	0.0
081	4/16/2019	08:27:07	0.0	0.0	0.0	0.0
082	4/16/2019	08:27:37	0.0	0.0	0.0	0.0
083	4/16/2019	08:28:07	0.0	0.0	0.0	0.0
084	4/16/2019	08:28:37	0.0	0.0	0.0	0.0
085	4/16/2019	08:29:07	0.0	0.0	0.0	0.0
086	4/16/2019	08:29:37	0.0	0.0	0.0	0.0
087	4/16/2019	08:30:07	0.0	0.0	0.0	0.0
088	4/16/2019	08:30:37	0.0	0.0	0.0	0.0
089	4/16/2019	08:31:07	0.0	0.0	0.0	0.0
090	4/16/2019	08:31:37	0.0	0.0	0.0	0.0
091	4/16/2019	08:32:07	0.0	0.0	0.0	0.0
092	4/16/2019	08:32:37	0.0	0.0	0.0	0.0
093	4/16/2019	08:33:07	0.0	0.0	0.0	0.0
094	4/16/2019	08:33:37	0.0	0.0	0.0	0.0
095	4/16/2019	08:34:07	0.0	0.0	0.0	0.0
096	4/16/2019	08:34:37	0.0	0.0	0.0	0.0
097	4/16/2019	08:35:07	0.0	0.0	0.0	0.0
098	4/16/2019	08:35:37	0.0	0.0	0.0	0.0
099	4/16/2019	08:36:07	0.0	0.0	0.0	0.0
100	4/16/2019	08:36:37	0.0	0.0	0.0	0.0
101	4/16/2019	08:37:07	0.0	0.0	0.0	0.0
102	4/16/2019	08:37:37	0.0	0.0	0.0	0.0
103	4/16/2019	08:38:07	0.0	0.0	0.0	0.0
104	4/16/2019	08:38:37	0.0	0.0	0.0	0.0
105	4/16/2019	08:39:07	0.0	0.0	0.0	0.0
106	4/16/2019	08:39:37	0.0	0.0	0.0	0.0
107	4/16/2019	08:40:07	0.0	0.0	0.0	0.0
108	4/16/2019	08:40:37	0.0	0.0	0.0	0.0
109	4/16/2019	08:41:07	0.0	0.0	0.0	0.0
110	4/16/2019	08:41:37	0.0	0.0	0.0	0.0
111	4/16/2019	08:42:07	0.0	0.0	0.0	0.0
112	4/16/2019	08:42:37	0.0	0.0	0.0	0.0
113	4/16/2019	08:43:07	0.0	0.0	0.0	0.0
114	4/16/2019	08:43:37	0.0	0.0	0.0	0.0

115	4/16/2019	08:44:07	0.0	0.0	0.0	0.0
116	4/16/2019	08:44:37	0.0	0.0	0.0	0.0
117	4/16/2019	08:45:07	0.0	0.0	0.0	0.0
118	4/16/2019	08:45:37	0.0	0.0	0.0	0.0
119	4/16/2019	08:46:07	0.0	0.0	0.0	0.0
120	4/16/2019	08:46:37	0.0	0.0	0.0	0.0
121	4/16/2019	08:47:07	0.0	0.0	0.0	0.0
122	4/16/2019	08:47:37	0.0	0.0	0.0	0.0
123	4/16/2019	08:48:07	0.0	0.0	0.0	0.0
124	4/16/2019	08:48:37	0.0	0.0	0.0	0.0
125	4/16/2019	08:49:07	0.0	0.0	0.0	0.0
126	4/16/2019	08:49:37	0.0	0.0	0.0	0.0
127	4/16/2019	08:50:07	0.0	0.0	0.0	0.0
128	4/16/2019	08:50:37	0.0	0.0	0.0	0.0
129	4/16/2019	08:51:07	0.0	0.0	0.0	0.0
130	4/16/2019	08:51:37	0.0	0.0	0.0	0.0
131	4/16/2019	08:52:07	0.0	0.0	0.0	0.0
132	4/16/2019	08:52:37	0.0	0.0	0.0	0.0
133	4/16/2019	08:53:07	0.0	0.0	0.0	0.0
134	4/16/2019	08:53:37	0.0	0.0	0.0	0.0
135	4/16/2019	08:54:07	0.0	0.0	0.0	0.0
136	4/16/2019	08:54:37	0.0	0.0	0.0	0.0
137	4/16/2019	08:55:07	0.0	0.0	0.0	0.0
138	4/16/2019	08:55:37	0.0	0.0	0.0	0.0
139	4/16/2019	08:56:07	0.0	0.0	0.0	0.0
140	4/16/2019	08:56:37	0.0	0.0	0.0	0.0
141	4/16/2019	08:57:07	0.0	0.0	0.0	0.0
142	4/16/2019	08:57:37	0.0	0.0	0.0	0.0
143	4/16/2019	08:58:07	0.0	0.0	0.0	0.0
144	4/16/2019	08:58:37	0.0	0.0	0.0	0.0
145	4/16/2019	08:59:07	0.0	0.0	0.0	0.0
146	4/16/2019	08:59:37	0.0	0.0	0.0	0.0
147	4/16/2019	09:00:07	0.0	0.0	0.0	0.0
148	4/16/2019	09:00:37	0.0	0.0	0.0	0.0
149	4/16/2019	09:01:07	0.0	0.0	0.0	0.0
150	4/16/2019	09:01:37	0.0	0.0	0.0	0.0
151	4/16/2019	09:02:07	0.0	0.0	0.0	0.0
152	4/16/2019	09:02:37	0.0	0.0	0.0	0.0
153	4/16/2019	09:03:07	0.0	0.0	0.0	0.0
154	4/16/2019	09:03:37	0.0	0.0	0.0	0.0
155	4/16/2019	09:04:07	0.0	0.0	0.0	0.0
156	4/16/2019	09:04:37	0.0	0.0	0.0	0.0
157	4/16/2019	09:05:07	0.0	0.0	0.0	0.0
158	4/16/2019	09:05:37	0.0	0.0	0.0	0.0
159	4/16/2019	09:06:07	0.0	0.0	0.0	0.0
160	4/16/2019	09:06:37	0.0	0.0	0.0	0.0
161	4/16/2019	09:07:07	0.0	0.0	0.0	0.0
162	4/16/2019	09:07:37	0.0	0.0	0.0	0.0
163	4/16/2019	09:08:07	0.0	0.0	0.0	0.0
164	4/16/2019	09:08:37	0.0	0.0	0.0	0.0

165	4/16/2019	09:09:07	0.0	0.0	0.0	0.0
166	4/16/2019	09:09:37	0.0	0.0	0.0	0.0
167	4/16/2019	09:10:07	0.0	0.0	0.0	0.0
168	4/16/2019	09:10:37	0.0	0.0	0.0	0.0
169	4/16/2019	09:11:07	0.0	0.0	0.0	0.0
170	4/16/2019	09:11:37	0.0	0.0	0.0	0.0
171	4/16/2019	09:12:07	0.0	0.0	0.0	0.0
172	4/16/2019	09:12:37	0.0	0.0	0.0	0.0
173	4/16/2019	09:13:07	0.0	0.0	0.0	0.0
174	4/16/2019	09:13:37	0.0	0.0	0.0	0.0
175	4/16/2019	09:14:07	0.0	0.0	0.0	0.0
176	4/16/2019	09:14:37	0.0	0.0	0.0	0.0
177	4/16/2019	09:15:07	0.0	0.0	0.0	0.0
178	4/16/2019	09:15:37	0.0	0.0	0.0	0.0
179	4/16/2019	09:16:07	0.0	0.0	0.0	0.0
180	4/16/2019	09:16:37	0.0	0.0	0.0	0.0
181	4/16/2019	09:17:07	0.0	0.0	0.0	0.0
182	4/16/2019	09:17:37	0.0	0.0	0.0	0.0
183	4/16/2019	09:18:07	0.0	0.0	0.0	0.0
184	4/16/2019	09:18:37	0.0	0.0	0.0	0.0
185	4/16/2019	09:19:07	0.0	0.0	0.0	0.0
186	4/16/2019	09:19:37	0.0	0.0	0.0	0.0
187	4/16/2019	09:20:07	0.0	0.0	0.0	0.0
188	4/16/2019	09:20:37	0.0	0.0	0.0	0.0
189	4/16/2019	09:21:07	0.0	0.0	0.0	0.0
190	4/16/2019	09:21:37	0.0	0.0	0.0	0.0
191	4/16/2019	09:22:07	0.0	0.0	0.0	0.0
192	4/16/2019	09:22:37	0.0	0.0	0.0	0.0
193	4/16/2019	09:23:07	0.0	0.0	0.0	0.0
194	4/16/2019	09:23:37	0.0	0.0	0.0	0.0
195	4/16/2019	09:24:07	0.0	0.0	0.0	0.0
196	4/16/2019	09:24:37	0.0	0.0	0.0	0.0
197	4/16/2019	09:25:07	0.0	0.0	0.0	0.0
198	4/16/2019	09:25:37	0.0	0.0	0.0	0.0
199	4/16/2019	09:26:07	0.0	0.0	0.0	0.0
200	4/16/2019	09:26:37	0.0	0.0	0.0	0.0
201	4/16/2019	09:27:07	0.0	0.0	0.0	0.0
202	4/16/2019	09:27:37	0.0	0.0	0.0	0.0
203	4/16/2019	09:28:07	0.0	0.0	0.0	0.0
204	4/16/2019	09:28:37	0.0	0.0	0.0	0.0
205	4/16/2019	09:29:07	0.0	0.0	0.0	0.0
206	4/16/2019	09:29:37	0.0	0.0	0.0	0.0
207	4/16/2019	09:30:07	0.0	0.0	0.0	0.0
208	4/16/2019	09:30:37	0.0	0.0	0.0	0.0
209	4/16/2019	09:31:07	0.0	0.0	0.0	0.0
210	4/16/2019	09:31:37	0.0	0.0	0.0	0.0
211	4/16/2019	09:32:07	0.0	0.0	0.0	0.0
212	4/16/2019	09:32:37	0.0	0.0	0.0	0.0
213	4/16/2019	09:33:07	0.0	0.0	0.0	0.0
214	4/16/2019	09:33:37	0.0	0.0	0.0	0.0

215	4/16/2019	09:34:07	0.0	0.0	0.0	0.0
216	4/16/2019	09:34:37	0.0	0.0	0.0	0.0
217	4/16/2019	09:35:07	0.0	0.0	0.0	0.0
218	4/16/2019	09:35:37	0.0	0.0	0.0	0.0
219	4/16/2019	09:36:07	0.0	0.0	0.0	0.0
220	4/16/2019	09:36:37	0.0	0.0	0.0	0.0
221	4/16/2019	09:37:07	0.0	0.0	0.0	0.0
222	4/16/2019	09:37:37	0.0	0.0	0.0	0.0
223	4/16/2019	09:38:07	0.0	0.0	0.0	0.0
224	4/16/2019	09:38:37	0.0	0.0	0.0	0.0
225	4/16/2019	09:39:07	0.0	0.0	0.0	0.0
226	4/16/2019	09:39:37	0.0	0.0	0.0	0.0
227	4/16/2019	09:40:07	0.0	0.0	0.0	0.0
228	4/16/2019	09:40:37	0.0	0.0	0.0	0.0
229	4/16/2019	09:41:07	0.0	0.0	0.0	0.0
230	4/16/2019	09:41:37	0.0	0.0	0.0	0.0
231	4/16/2019	09:42:07	0.0	0.0	0.0	0.0
232	4/16/2019	09:42:37	0.0	0.0	0.0	0.0
233	4/16/2019	09:43:07	0.0	0.0	0.0	0.0
234	4/16/2019	09:43:37	0.0	0.0	0.0	0.0
235	4/16/2019	09:44:07	0.0	0.0	0.0	0.0
236	4/16/2019	09:44:37	0.0	0.0	0.0	0.0
237	4/16/2019	09:45:07	0.0	0.0	0.0	0.0
238	4/16/2019	09:45:37	0.0	0.0	0.0	0.0
239	4/16/2019	09:46:07	0.0	0.0	0.0	0.0
240	4/16/2019	09:46:37	0.0	0.0	0.0	0.0
241	4/16/2019	09:47:07	0.0	0.0	0.0	0.0
242	4/16/2019	09:47:37	0.0	0.0	0.0	0.0
243	4/16/2019	09:48:07	0.0	0.0	0.0	0.0
244	4/16/2019	09:48:37	0.0	0.0	0.0	0.0
245	4/16/2019	09:49:07	0.0	0.0	0.0	0.0
246	4/16/2019	09:49:37	0.0	0.0	0.0	0.0
247	4/16/2019	09:50:07	0.0	0.0	0.0	0.0
248	4/16/2019	09:50:37	0.0	0.0	0.0	0.0
249	4/16/2019	09:51:07	0.0	0.0	0.0	0.0
250	4/16/2019	09:51:37	0.0	0.0	0.0	0.0
251	4/16/2019	09:52:07	0.0	0.0	0.0	0.0
252	4/16/2019	09:52:37	0.0	0.0	0.0	0.0
253	4/16/2019	09:53:07	0.0	0.0	0.0	0.0
254	4/16/2019	09:53:37	0.0	0.0	0.0	0.0
255	4/16/2019	09:54:07	0.0	0.0	0.0	0.0
256	4/16/2019	09:54:37	0.0	0.0	0.0	0.0
257	4/16/2019	09:55:07	0.0	0.0	0.0	0.0
258	4/16/2019	09:55:37	0.0	0.0	0.0	0.0
259	4/16/2019	09:56:07	0.0	0.0	0.0	0.0
260	4/16/2019	09:56:37	0.0	0.0	0.0	0.0
261	4/16/2019	09:57:07	0.0	0.0	0.0	0.0
262	4/16/2019	09:57:37	0.0	0.0	0.0	0.0
263	4/16/2019	09:58:07	0.0	0.0	0.0	0.0
264	4/16/2019	09:58:37	0.0	0.0	0.0	0.0

265	4/16/2019	09:59:07	0.0	0.0	0.0	0.0
266	4/16/2019	09:59:37	0.0	0.0	0.0	0.0
267	4/16/2019	10:00:07	0.0	0.0	0.0	0.0
268	4/16/2019	10:00:37	0.0	0.0	0.0	0.0
269	4/16/2019	10:01:07	0.0	0.0	0.0	0.0
270	4/16/2019	10:01:37	0.0	0.0	0.0	0.0
271	4/16/2019	10:02:07	0.0	0.0	0.0	0.0
272	4/16/2019	10:02:37	0.0	0.0	0.0	0.0
273	4/16/2019	10:03:07	0.0	0.0	0.0	0.0
274	4/16/2019	10:03:37	0.0	0.0	0.0	0.0
275	4/16/2019	10:04:07	0.0	0.0	0.0	0.0
276	4/16/2019	10:04:37	0.0	0.0	0.0	0.0
277	4/16/2019	10:05:07	0.0	0.0	0.0	0.0
278	4/16/2019	10:05:37	0.0	0.0	0.0	0.0
279	4/16/2019	10:06:07	0.0	0.0	0.0	0.0
280	4/16/2019	10:06:37	0.0	0.0	0.0	0.0
281	4/16/2019	10:07:07	0.0	0.0	0.0	0.0
282	4/16/2019	10:07:37	0.0	0.0	0.0	0.0
283	4/16/2019	10:08:07	0.0	0.0	0.0	0.0
284	4/16/2019	10:08:37	0.0	0.0	0.0	0.0
285	4/16/2019	10:09:07	0.0	0.0	0.0	0.0
286	4/16/2019	10:09:37	0.0	0.0	0.0	0.0
287	4/16/2019	10:10:07	0.0	0.0	0.0	0.0
288	4/16/2019	10:10:37	0.0	0.0	0.0	0.0
289	4/16/2019	10:11:07	0.0	0.0	0.0	0.0
290	4/16/2019	10:11:37	0.0	0.0	0.0	0.0
291	4/16/2019	10:12:07	0.0	0.0	0.0	0.0
292	4/16/2019	10:12:37	0.0	0.0	0.0	0.0
293	4/16/2019	10:13:07	0.0	0.0	0.0	0.0
294	4/16/2019	10:13:37	0.0	0.0	0.0	0.0
295	4/16/2019	10:14:07	0.0	0.0	0.0	0.0
296	4/16/2019	10:14:37	0.0	0.0	0.0	0.0
297	4/16/2019	10:15:07	0.0	0.0	0.0	0.0
298	4/16/2019	10:15:37	0.0	0.0	0.0	0.0
299	4/16/2019	10:16:07	0.0	0.0	0.0	0.0
300	4/16/2019	10:16:37	0.0	0.0	0.0	0.0
301	4/16/2019	10:17:07	0.0	0.0	0.0	0.0
302	4/16/2019	10:17:37	0.0	0.0	0.0	0.0
303	4/16/2019	10:18:07	0.0	0.0	0.0	0.0
304	4/16/2019	10:18:37	0.0	0.0	0.0	0.0
305	4/16/2019	10:19:07	0.0	0.0	0.0	0.0
306	4/16/2019	10:19:37	0.0	0.0	0.0	0.0
307	4/16/2019	10:20:07	0.0	0.0	0.0	0.0
308	4/16/2019	10:20:37	0.0	0.0	0.0	0.0
309	4/16/2019	10:21:07	0.0	0.0	0.0	0.0
310	4/16/2019	10:21:37	0.0	0.0	0.0	0.0
311	4/16/2019	10:22:07	0.0	0.0	0.0	0.0
312	4/16/2019	10:22:37	0.0	0.0	0.0	0.0
313	4/16/2019	10:23:07	0.0	0.0	0.0	0.0
314	4/16/2019	10:23:37	0.0	0.0	0.0	0.0

315	4/16/2019 10:24:07	0.0	0.0	0.0	0.0
316	4/16/2019 10:24:37	0.0	0.0	0.0	0.0
317	4/16/2019 10:25:07	0.0	0.0	0.0	0.0
318	4/16/2019 10:25:37	0.0	0.0	0.0	0.0
319	4/16/2019 10:26:07	0.0	0.0	0.0	0.0
320	4/16/2019 10:26:37	0.0	0.0	0.0	0.0
321	4/16/2019 10:27:07	0.0	0.0	0.0	0.0
322	4/16/2019 10:27:37	0.0	0.0	0.0	0.0
323	4/16/2019 10:28:07	0.0	0.0	0.0	0.0
324	4/16/2019 10:28:37	0.0	0.0	0.0	0.0
325	4/16/2019 10:29:07	0.0	0.0	0.0	0.0
326	4/16/2019 10:29:37	0.0	0.0	0.0	0.0
327	4/16/2019 10:30:07	0.0	0.0	0.0	0.0
328	4/16/2019 10:30:37	0.0	0.0	0.0	0.0
329	4/16/2019 10:31:07	0.0	0.0	0.0	0.0
330	4/16/2019 10:31:37	0.0	0.0	0.0	0.0
331	4/16/2019 10:32:07	0.0	0.0	0.0	0.0
332	4/16/2019 10:32:37	0.0	0.0	0.0	0.0
333	4/16/2019 10:33:07	0.0	0.0	0.0	0.0
334	4/16/2019 10:33:37	0.0	0.0	0.0	0.0
335	4/16/2019 10:34:07	0.0	0.0	0.0	0.0
336	4/16/2019 10:34:37	0.0	0.0	0.0	0.0
337	4/16/2019 10:35:07	0.0	0.0	0.0	0.0
338	4/16/2019 10:35:37	0.0	0.0	0.0	0.0
339	4/16/2019 10:36:07	0.0	0.0	0.0	0.0
340	4/16/2019 10:36:37	0.0	0.0	0.0	0.0
341	4/16/2019 10:37:07	0.0	0.0	0.0	0.0
342	4/16/2019 10:37:37	0.0	0.0	0.0	0.0
343	4/16/2019 10:38:07	0.0	0.0	0.0	0.0
344	4/16/2019 10:38:37	0.0	0.0	0.0	0.0
345	4/16/2019 10:39:07	0.0	0.0	0.0	0.0
346	4/16/2019 10:39:37	0.0	0.0	0.0	0.0
347	4/16/2019 10:40:07	0.0	0.0	0.0	0.0
348	4/16/2019 10:40:37	0.0	0.0	0.0	0.0
349	4/16/2019 10:41:07	0.0	0.0	0.0	0.0
350	4/16/2019 10:41:37	0.0	0.0	0.0	0.0
351	4/16/2019 10:42:07	0.0	0.0	0.0	0.0
352	4/16/2019 10:42:37	0.0	0.0	0.0	0.0
353	4/16/2019 10:43:07	0.0	0.0	0.0	0.0
354	4/16/2019 10:43:37	0.0	0.0	0.0	0.0
355	4/16/2019 10:44:07	0.0	0.0	0.0	0.0
356	4/16/2019 10:44:37	0.0	0.0	0.0	0.0
357	4/16/2019 10:45:07	0.0	0.0	0.0	0.0
358	4/16/2019 10:45:37	0.0	0.0	0.0	0.0
359	4/16/2019 10:46:07	0.0	0.0	0.0	0.0
360	4/16/2019 10:46:37	0.0	0.0	0.0	0.0
361	4/16/2019 10:47:07	0.0	0.0	0.0	0.0
362	4/16/2019 10:47:37	0.0	0.0	0.0	0.0
363	4/16/2019 10:48:07	0.0	0.0	0.0	0.0
364	4/16/2019 10:48:37	0.0	0.0	0.0	0.0

365	4/16/2019	10:49:07	0.0	0.0	0.0	0.0
366	4/16/2019	10:49:37	0.0	0.0	0.0	0.0
367	4/16/2019	10:50:07	0.0	0.0	0.0	0.0
368	4/16/2019	10:50:37	0.0	0.0	0.0	0.0
369	4/16/2019	10:51:07	0.0	0.0	0.0	0.0
370	4/16/2019	10:51:37	0.0	0.0	0.0	0.0
371	4/16/2019	10:52:07	0.0	0.0	0.0	0.0
372	4/16/2019	10:52:37	0.0	0.0	0.0	0.0
373	4/16/2019	10:53:07	0.0	0.0	0.0	0.0
374	4/16/2019	10:53:37	0.0	0.0	0.0	0.0
375	4/16/2019	10:54:07	0.0	0.0	0.0	0.0
376	4/16/2019	10:54:37	0.0	0.0	0.0	0.0
377	4/16/2019	10:55:07	0.0	0.0	0.0	0.0
378	4/16/2019	10:55:37	0.0	0.0	0.0	0.0
379	4/16/2019	10:56:07	0.0	0.0	0.0	0.0
380	4/16/2019	10:56:37	0.0	0.0	0.0	0.0
381	4/16/2019	10:57:07	0.0	0.0	0.0	0.0
382	4/16/2019	10:57:37	0.0	0.0	0.0	0.0
383	4/16/2019	10:58:07	0.0	0.0	0.0	0.0
384	4/16/2019	10:58:37	0.0	0.0	0.0	0.0
385	4/16/2019	10:59:07	0.0	0.0	0.0	0.0
386	4/16/2019	10:59:37	0.0	0.0	0.0	0.0
387	4/16/2019	11:00:07	0.0	0.0	0.0	0.0
388	4/16/2019	11:00:37	0.0	0.0	0.0	0.0
389	4/16/2019	11:01:07	0.0	0.0	0.0	0.0
390	4/16/2019	11:01:37	0.0	0.0	0.0	0.0
391	4/16/2019	11:02:07	0.0	0.0	0.0	0.0
392	4/16/2019	11:02:37	0.0	0.0	0.0	0.0
393	4/16/2019	11:03:07	0.0	0.0	0.0	0.0
394	4/16/2019	11:03:37	0.0	0.0	0.0	0.0
395	4/16/2019	11:04:07	0.0	0.0	0.0	0.0
396	4/16/2019	11:04:37	0.0	0.0	0.0	0.0
397	4/16/2019	11:05:07	0.0	0.0	0.0	0.0
398	4/16/2019	11:05:37	0.0	0.0	0.0	0.0
399	4/16/2019	11:06:07	0.0	0.0	0.0	0.0
400	4/16/2019	11:06:37	0.0	0.0	0.0	0.0
401	4/16/2019	11:07:07	0.0	0.0	0.0	0.0
402	4/16/2019	11:07:37	0.0	0.0	0.0	0.0
403	4/16/2019	11:08:07	0.0	0.0	0.0	0.0
404	4/16/2019	11:08:37	0.0	0.0	0.0	0.0
405	4/16/2019	11:09:07	0.0	0.0	0.0	0.0
406	4/16/2019	11:09:37	0.0	0.0	0.0	0.0
407	4/16/2019	11:10:07	0.0	0.0	0.0	0.0
408	4/16/2019	11:10:37	0.0	0.0	0.0	0.0
409	4/16/2019	11:11:07	0.0	0.0	0.0	0.0
410	4/16/2019	11:11:37	0.0	0.0	0.0	0.0
411	4/16/2019	11:12:07	0.0	0.0	0.0	0.0
412	4/16/2019	11:12:37	0.0	0.0	0.0	0.0
413	4/16/2019	11:13:07	0.0	0.0	0.0	0.0
414	4/16/2019	11:13:37	0.0	0.0	0.0	0.0

415	4/16/2019	11:14:07	0.0	0.0	0.0	0.0
416	4/16/2019	11:14:37	0.0	0.0	0.0	0.0
417	4/16/2019	11:15:07	0.0	0.0	0.0	0.0
418	4/16/2019	11:15:37	0.0	0.0	0.0	0.0
419	4/16/2019	11:16:07	0.0	0.0	0.0	0.0
420	4/16/2019	11:16:37	0.0	0.0	0.0	0.0
421	4/16/2019	11:17:07	0.0	0.0	0.0	0.0
422	4/16/2019	11:17:37	0.0	0.0	0.0	0.0
423	4/16/2019	11:18:07	0.0	0.0	0.0	0.0
424	4/16/2019	11:18:37	0.0	0.0	0.0	0.0
425	4/16/2019	11:19:07	0.0	0.0	0.0	0.0
426	4/16/2019	11:19:37	0.0	0.0	0.0	0.0
427	4/16/2019	11:20:07	0.0	0.0	0.0	0.0
428	4/16/2019	11:20:37	0.0	0.0	0.0	0.0
429	4/16/2019	11:21:07	0.0	0.0	0.0	0.0
430	4/16/2019	11:21:37	0.0	0.0	0.0	0.0
431	4/16/2019	11:22:07	0.0	0.0	0.0	0.0
432	4/16/2019	11:22:37	0.0	0.0	0.0	0.0
433	4/16/2019	11:23:07	0.0	0.0	0.0	0.0
434	4/16/2019	11:23:37	0.0	0.0	0.0	0.0
435	4/16/2019	11:24:07	0.0	0.0	0.0	0.0
436	4/16/2019	11:24:37	0.0	0.0	0.0	0.0
437	4/16/2019	11:25:07	0.0	0.0	0.0	0.0
438	4/16/2019	11:25:37	0.0	0.0	0.0	0.0
439	4/16/2019	11:26:07	0.0	0.0	0.0	0.0
440	4/16/2019	11:26:37	0.0	0.0	0.0	0.0
441	4/16/2019	11:27:07	0.0	0.0	0.0	0.0
442	4/16/2019	11:27:37	0.0	0.0	0.0	0.0
443	4/16/2019	11:28:07	0.0	0.0	0.0	0.0
444	4/16/2019	11:28:37	0.0	0.0	0.0	0.0
445	4/16/2019	11:29:07	0.0	0.0	0.0	0.0
446	4/16/2019	11:29:37	0.0	0.0	0.0	0.0
447	4/16/2019	11:30:07	0.0	0.0	0.0	0.0
448	4/16/2019	11:30:37	0.0	0.0	0.0	0.0
449	4/16/2019	11:31:07	0.0	0.0	0.0	0.0
450	4/16/2019	11:31:37	0.0	0.0	0.0	0.0
451	4/16/2019	11:32:07	0.0	0.0	0.0	0.0
452	4/16/2019	11:32:37	0.0	0.0	0.0	0.0
453	4/16/2019	11:33:07	0.0	0.0	0.0	0.0
454	4/16/2019	11:33:37	0.0	0.0	0.0	0.0
455	4/16/2019	11:34:07	0.0	0.0	0.0	0.0
456	4/16/2019	11:34:37	0.0	0.0	0.0	0.0
457	4/16/2019	11:35:07	0.0	0.0	0.0	0.0
458	4/16/2019	11:35:37	0.0	0.0	0.0	0.0
459	4/16/2019	11:36:07	0.0	0.0	0.0	0.0
460	4/16/2019	11:36:37	0.0	0.0	0.0	0.0
461	4/16/2019	11:37:07	0.0	0.0	0.0	0.0
462	4/16/2019	11:37:37	0.0	0.0	0.0	0.0
463	4/16/2019	11:38:07	0.0	0.0	0.0	0.0
464	4/16/2019	11:38:37	0.0	0.0	0.0	0.0

465	4/16/2019	11:39:07	0.0	0.0	0.0	0.0
466	4/16/2019	11:39:37	0.0	0.0	0.0	0.0
467	4/16/2019	11:40:07	0.0	0.0	0.0	0.0
468	4/16/2019	11:40:37	0.0	0.0	0.0	0.0
469	4/16/2019	11:41:07	0.0	0.0	0.0	0.0
470	4/16/2019	11:41:37	0.0	0.0	0.0	0.0
471	4/16/2019	11:42:07	0.0	0.0	0.0	0.0
472	4/16/2019	11:42:37	0.0	0.0	0.0	0.0
473	4/16/2019	11:43:07	0.0	0.0	0.0	0.0
474	4/16/2019	11:43:37	0.0	0.0	0.0	0.0
475	4/16/2019	11:44:07	0.0	0.0	0.0	0.0
476	4/16/2019	11:44:37	0.0	0.0	0.0	0.0
477	4/16/2019	11:45:07	0.0	0.0	0.0	0.0
478	4/16/2019	11:45:37	0.0	0.0	0.0	0.0
479	4/16/2019	11:46:07	0.0	0.0	0.0	0.0
480	4/16/2019	11:46:37	0.0	0.0	0.0	0.0
481	4/16/2019	11:47:07	0.0	0.0	0.0	0.0
482	4/16/2019	11:47:37	0.0	0.0	0.0	0.0
483	4/16/2019	11:48:07	0.0	0.0	0.0	0.0
484	4/16/2019	11:48:37	0.0	0.0	0.0	0.0
485	4/16/2019	11:49:07	0.0	0.0	0.0	0.0
486	4/16/2019	11:49:37	0.0	0.0	0.0	0.0
487	4/16/2019	11:50:07	0.0	0.0	0.0	0.0
488	4/16/2019	11:50:37	0.0	0.0	0.0	0.0
489	4/16/2019	11:51:07	0.0	0.0	0.0	0.0
490	4/16/2019	11:51:37	0.0	0.0	0.0	0.0
491	4/16/2019	11:52:07	0.0	0.0	0.0	0.0
492	4/16/2019	11:52:37	0.0	0.0	0.0	0.0
493	4/16/2019	11:53:07	0.0	0.0	0.0	0.0
494	4/16/2019	11:53:37	0.0	0.0	0.0	0.0
495	4/16/2019	11:54:07	0.0	0.0	0.0	0.0
496	4/16/2019	11:54:37	0.0	0.0	0.0	0.0
497	4/16/2019	11:55:07	0.0	0.0	0.0	0.0
498	4/16/2019	11:55:37	0.0	0.0	0.0	0.0
499	4/16/2019	11:56:07	0.0	0.0	0.0	0.0
500	4/16/2019	11:56:37	0.0	0.0	0.0	0.0
501	4/16/2019	11:57:07	0.0	0.0	0.0	0.0
502	4/16/2019	11:57:37	0.0	0.0	0.0	0.0
503	4/16/2019	11:58:07	0.0	0.0	0.0	0.0
504	4/16/2019	11:58:37	0.0	0.0	0.0	0.0
505	4/16/2019	11:59:07	0.0	0.0	0.0	0.0
506	4/16/2019	11:59:37	0.0	0.0	0.0	0.0
507	4/16/2019	12:00:07	0.0	0.0	0.0	0.0
508	4/16/2019	12:00:37	0.0	0.0	0.0	0.0
509	4/16/2019	12:01:07	0.0	0.0	0.0	0.0
510	4/16/2019	12:01:37	0.0	0.0	0.0	0.0
511	4/16/2019	12:02:07	0.0	0.0	0.0	0.0
512	4/16/2019	12:02:37	0.0	0.0	0.0	0.0
513	4/16/2019	12:03:07	0.0	0.0	0.0	0.0
514	4/16/2019	12:03:37	0.0	0.0	0.0	0.0

515	4/16/2019	12:04:07	0.0	0.0	0.0	0.0
516	4/16/2019	12:04:37	0.0	0.0	0.0	0.0
517	4/16/2019	12:05:07	0.0	0.0	0.0	0.0
518	4/16/2019	12:05:37	0.0	0.0	0.0	0.0
519	4/16/2019	12:06:07	0.0	0.0	0.0	0.0
520	4/16/2019	12:06:37	0.0	0.0	0.0	0.0
521	4/16/2019	12:07:07	0.0	0.0	0.0	0.0
522	4/16/2019	12:07:37	0.0	0.0	0.0	0.0
523	4/16/2019	12:08:07	0.0	0.0	0.0	0.0
524	4/16/2019	12:08:37	0.0	0.0	0.0	0.0
525	4/16/2019	12:09:07	0.0	0.0	0.0	0.0
526	4/16/2019	12:09:37	0.0	0.0	0.0	0.0
527	4/16/2019	12:10:07	0.0	0.0	0.0	0.0
528	4/16/2019	12:10:37	0.0	0.0	0.0	0.0
529	4/16/2019	12:11:07	0.0	0.0	0.0	0.0
530	4/16/2019	12:11:37	0.0	0.0	0.0	0.0
531	4/16/2019	12:12:07	0.0	0.0	0.0	0.0
532	4/16/2019	12:12:37	0.0	0.0	0.0	0.0
533	4/16/2019	12:13:07	0.0	0.0	0.0	0.0
534	4/16/2019	12:13:37	0.0	0.0	0.0	0.0
535	4/16/2019	12:14:07	0.0	0.0	0.0	0.0
536	4/16/2019	12:14:37	0.0	0.0	0.0	0.0
537	4/16/2019	12:15:07	0.0	0.0	0.0	0.0
538	4/16/2019	12:15:37	0.0	0.0	0.0	0.0
539	4/16/2019	12:16:07	0.0	0.0	0.0	0.0
540	4/16/2019	12:16:37	0.0	0.0	0.0	0.0
541	4/16/2019	12:17:07	0.0	0.0	0.0	0.0
542	4/16/2019	12:17:37	0.0	0.0	0.0	0.0
543	4/16/2019	12:18:07	0.0	0.0	0.0	0.0
544	4/16/2019	12:18:37	0.0	0.0	0.0	0.0
545	4/16/2019	12:19:07	0.0	0.0	0.0	0.0
546	4/16/2019	12:19:37	0.0	0.0	0.0	0.0
547	4/16/2019	12:20:07	0.0	0.0	0.0	0.0
548	4/16/2019	12:20:37	0.0	0.0	0.0	0.0
549	4/16/2019	12:21:07	0.0	0.0	0.0	0.0
550	4/16/2019	12:21:37	0.0	0.0	0.0	0.0
551	4/16/2019	12:22:07	0.0	0.0	0.0	0.0
552	4/16/2019	12:22:37	0.0	0.0	0.0	0.0
553	4/16/2019	12:23:07	0.0	0.0	0.0	0.0
554	4/16/2019	12:23:37	0.0	0.0	0.0	0.0
555	4/16/2019	12:24:07	0.0	0.0	0.0	0.0
556	4/16/2019	12:24:37	0.0	0.0	0.0	0.0
557	4/16/2019	12:25:07	0.0	0.0	0.0	0.0
558	4/16/2019	12:25:37	0.0	0.0	0.0	0.0
559	4/16/2019	12:26:07	0.0	0.0	0.0	0.0
560	4/16/2019	12:26:37	0.0	0.0	0.0	0.0
561	4/16/2019	12:27:07	0.0	0.0	0.0	0.0
562	4/16/2019	12:27:37	0.0	0.0	0.0	0.0
563	4/16/2019	12:28:07	0.0	0.0	0.0	0.0
564	4/16/2019	12:28:37	0.0	0.0	0.0	0.0

565	4/16/2019 12:29:07	0.0	0.0	0.0	0.0
566	4/16/2019 12:29:37	0.0	0.0	0.0	0.0
567	4/16/2019 12:30:07	0.0	0.0	0.0	0.0
568	4/16/2019 12:30:37	0.0	0.0	0.0	0.0
569	4/16/2019 12:31:07	0.0	0.0	0.0	0.0
570	4/16/2019 12:31:37	0.0	0.0	0.0	0.0
571	4/16/2019 12:32:07	0.0	0.0	0.0	0.0
572	4/16/2019 12:32:37	0.0	0.0	0.0	0.0
573	4/16/2019 12:33:07	0.0	0.0	0.0	0.0
574	4/16/2019 12:33:37	0.0	0.0	0.0	0.0
575	4/16/2019 12:34:07	0.0	0.0	0.0	0.0
576	4/16/2019 12:34:37	0.0	0.0	0.0	0.0
577	4/16/2019 12:35:07	0.0	0.0	0.0	0.0
578	4/16/2019 12:35:37	0.0	0.0	0.0	0.0
579	4/16/2019 12:36:07	0.0	0.0	0.0	0.0
580	4/16/2019 12:36:37	0.0	0.0	0.0	0.0
581	4/16/2019 12:37:07	0.0	0.0	0.0	0.0
582	4/16/2019 12:37:37	0.0	0.0	0.0	0.0
583	4/16/2019 12:38:07	0.0	0.0	0.0	0.0
584	4/16/2019 12:38:37	0.0	0.0	0.0	0.0
585	4/16/2019 12:39:07	0.0	0.0	0.0	0.0
586	4/16/2019 12:39:37	0.0	0.0	0.0	0.0
587	4/16/2019 12:40:07	0.0	0.0	0.0	0.0
588	4/16/2019 12:40:37	0.0	0.0	0.0	0.0
589	4/16/2019 12:41:07	0.0	0.0	0.0	0.0
590	4/16/2019 12:41:37	0.0	0.0	0.0	0.0
591	4/16/2019 12:42:07	0.0	0.0	0.0	0.0
592	4/16/2019 12:42:37	0.0	0.0	0.0	0.0
593	4/16/2019 12:43:07	0.0	0.0	0.0	0.0
594	4/16/2019 12:43:37	0.0	0.0	0.0	0.0
595	4/16/2019 12:44:07	0.0	0.0	0.0	0.0
596	4/16/2019 12:44:37	0.0	0.0	0.0	0.0
597	4/16/2019 12:45:07	0.0	0.0	0.0	0.0
598	4/16/2019 12:45:37	0.0	0.0	0.0	0.0
599	4/16/2019 12:46:07	0.0	0.0	0.0	0.0
600	4/16/2019 12:46:37	0.0	0.0	0.0	0.0
601	4/16/2019 12:47:07	0.0	0.0	0.0	0.0
602	4/16/2019 12:47:37	0.0	0.0	0.0	0.0
603	4/16/2019 12:48:07	0.0	0.0	0.0	0.0
604	4/16/2019 12:48:37	0.0	0.0	0.0	0.0
605	4/16/2019 12:49:07	0.0	0.0	0.0	0.0
606	4/16/2019 12:49:37	0.0	0.0	0.0	0.0
607	4/16/2019 12:50:07	0.0	0.0	0.0	0.0
608	4/16/2019 12:50:37	0.0	0.0	0.0	0.0
609	4/16/2019 12:51:07	0.0	0.0	0.0	0.0
610	4/16/2019 12:51:37	0.0	0.0	0.0	0.0
611	4/16/2019 12:52:07	0.0	0.0	0.0	0.0
612	4/16/2019 12:52:37	0.0	0.0	0.0	0.0
613	4/16/2019 12:53:07	0.0	0.0	0.0	0.0
614	4/16/2019 12:53:37	0.0	0.0	0.0	0.0

615	4/16/2019	12:54:07	0.0	0.0	0.0	0.0
616	4/16/2019	12:54:37	0.0	0.0	0.0	0.0
617	4/16/2019	12:55:07	0.0	0.0	0.0	0.0
618	4/16/2019	12:55:37	0.0	0.0	0.0	0.0
619	4/16/2019	12:56:07	0.0	0.0	0.0	0.0
620	4/16/2019	12:56:37	0.0	0.0	0.0	0.0
621	4/16/2019	12:57:07	0.0	0.0	0.0	0.0
622	4/16/2019	12:57:37	0.0	0.0	0.0	0.0
623	4/16/2019	12:58:07	0.0	0.0	0.0	0.0
624	4/16/2019	12:58:37	0.0	0.0	0.0	0.0
625	4/16/2019	12:59:07	0.0	0.0	0.0	0.0
626	4/16/2019	12:59:37	0.0	0.0	0.0	0.0
627	4/16/2019	13:00:07	0.0	0.0	0.0	0.0
628	4/16/2019	13:00:37	0.0	0.0	0.0	0.0
629	4/16/2019	13:01:07	0.0	0.0	0.0	0.0
630	4/16/2019	13:01:37	0.0	0.0	0.0	0.0
631	4/16/2019	13:02:07	0.0	0.0	0.0	0.0
632	4/16/2019	13:02:37	0.0	0.0	0.0	0.0
633	4/16/2019	13:03:07	0.0	0.0	0.0	0.0
634	4/16/2019	13:03:37	0.0	0.0	0.0	0.0
635	4/16/2019	13:04:07	0.0	0.0	0.0	0.0
636	4/16/2019	13:04:37	0.0	0.0	0.0	0.0
637	4/16/2019	13:05:07	0.0	0.0	0.0	0.0
638	4/16/2019	13:05:37	0.0	0.0	0.0	0.0
639	4/16/2019	13:06:07	0.0	0.0	0.0	0.0
640	4/16/2019	13:06:37	0.0	0.0	0.0	0.0
641	4/16/2019	13:07:07	0.0	0.0	0.0	0.0
642	4/16/2019	13:07:37	0.0	0.0	0.0	0.0
643	4/16/2019	13:08:07	0.0	0.0	0.0	0.0
644	4/16/2019	13:08:37	0.0	0.0	0.0	0.0
645	4/16/2019	13:09:07	0.0	0.0	0.0	0.0
646	4/16/2019	13:09:37	0.0	0.0	0.0	0.0
647	4/16/2019	13:10:07	0.0	0.0	0.0	0.0
648	4/16/2019	13:10:37	0.0	0.0	0.1	0.0
649	4/16/2019	13:11:07	0.0	0.0	0.1	0.0
650	4/16/2019	13:11:37	0.0	0.0	0.0	0.0
651	4/16/2019	13:12:07	0.0	0.0	0.0	0.0
652	4/16/2019	13:12:37	0.0	0.0	0.0	0.0
653	4/16/2019	13:13:07	0.0	0.0	0.0	0.0
654	4/16/2019	13:13:37	0.0	0.0	0.0	0.0
655	4/16/2019	13:14:07	0.0	0.0	0.0	0.0
656	4/16/2019	13:14:37	0.0	0.0	0.1	0.0
657	4/16/2019	13:15:07	0.0	0.0	0.1	0.1
658	4/16/2019	13:15:37	0.0	0.1	0.1	0.0
659	4/16/2019	13:16:07	0.0	0.1	0.1	0.1
660	4/16/2019	13:16:37	0.1	0.1	0.1	0.1
661	4/16/2019	13:17:07	0.1	0.1	0.1	0.1
662	4/16/2019	13:17:37	0.1	0.1	0.1	0.1
663	4/16/2019	13:18:07	0.1	0.1	0.1	0.1
664	4/16/2019	13:18:37	0.1	0.1	0.1	0.1

665	4/16/2019	13:19:07	0.1	0.1	0.1	0.1
666	4/16/2019	13:19:37	0.1	0.1	0.1	0.1
667	4/16/2019	13:20:07	0.1	0.1	0.1	0.1
668	4/16/2019	13:20:37	0.1	0.1	0.1	0.1
669	4/16/2019	13:21:07	0.1	0.1	0.1	0.1
670	4/16/2019	13:21:37	0.1	0.1	0.1	0.1
671	4/16/2019	13:22:07	0.1	0.1	0.1	0.1
672	4/16/2019	13:22:37	0.1	0.1	0.1	0.1
673	4/16/2019	13:23:07	0.1	0.1	0.1	0.1
674	4/16/2019	13:23:37	0.1	0.1	0.1	0.1
675	4/16/2019	13:24:07	0.1	0.1	0.1	0.1
676	4/16/2019	13:24:37	0.1	0.1	0.1	0.1
677	4/16/2019	13:25:07	0.1	0.1	0.1	0.1
678	4/16/2019	13:25:37	0.1	0.1	0.1	0.1
679	4/16/2019	13:26:07	0.1	0.1	0.1	0.1
680	4/16/2019	13:26:37	0.1	0.1	0.1	0.1
681	4/16/2019	13:27:07	0.1	0.1	0.1	0.1
682	4/16/2019	13:27:37	0.1	0.1	0.1	0.1
683	4/16/2019	13:28:07	0.1	0.1	0.1	0.1
684	4/16/2019	13:28:37	0.1	0.1	0.1	0.1
685	4/16/2019	13:29:07	0.1	0.1	0.1	0.1
686	4/16/2019	13:29:37	0.1	0.1	0.1	0.1
687	4/16/2019	13:30:07	0.1	0.1	0.1	0.1
688	4/16/2019	13:30:37	0.1	0.1	0.1	0.1
689	4/16/2019	13:31:07	0.1	0.1	0.1	0.1
690	4/16/2019	13:31:37	0.1	0.1	0.1	0.1
691	4/16/2019	13:32:07	0.1	0.1	0.1	0.1
692	4/16/2019	13:32:37	0.1	0.1	0.1	0.1
693	4/16/2019	13:33:07	0.1	0.1	0.1	0.1
694	4/16/2019	13:33:37	0.1	0.1	0.1	0.1
695	4/16/2019	13:34:07	0.1	0.1	0.1	0.1
696	4/16/2019	13:34:37	0.1	0.1	0.1	0.1
697	4/16/2019	13:35:07	0.1	0.1	0.1	0.1
698	4/16/2019	13:35:37	0.1	0.1	0.1	0.1
699	4/16/2019	13:36:07	0.1	0.1	0.1	0.1
700	4/16/2019	13:36:37	0.1	0.1	0.1	0.1
701	4/16/2019	13:37:07	0.1	0.1	0.1	0.1
702	4/16/2019	13:37:37	0.1	0.1	0.1	0.1
703	4/16/2019	13:38:07	0.1	0.1	0.1	0.1
704	4/16/2019	13:38:37	0.1	0.1	0.1	0.1
705	4/16/2019	13:39:07	0.1	0.1	0.1	0.1
706	4/16/2019	13:39:37	0.1	0.1	0.1	0.1
707	4/16/2019	13:40:07	0.1	0.1	0.1	0.1
708	4/16/2019	13:40:37	0.1	0.1	0.1	0.1
709	4/16/2019	13:41:07	0.1	0.1	0.1	0.1
710	4/16/2019	13:41:37	0.1	0.1	0.1	0.1
711	4/16/2019	13:42:07	0.1	0.1	0.1	0.1
712	4/16/2019	13:42:37	0.1	0.1	0.1	0.1
713	4/16/2019	13:43:07	0.1	0.1	0.1	0.1
714	4/16/2019	13:43:37	0.1	0.1	0.1	0.1

715	4/16/2019	13:44:07	0.1	0.1	0.1	0.1
716	4/16/2019	13:44:37	0.1	0.1	0.1	0.1
717	4/16/2019	13:45:07	0.1	0.1	0.1	0.1
718	4/16/2019	13:45:37	0.1	0.1	0.1	0.1
719	4/16/2019	13:46:07	0.1	0.1	0.1	0.1
720	4/16/2019	13:46:37	0.1	0.1	0.1	0.1
721	4/16/2019	13:47:07	0.1	0.1	0.1	0.1
722	4/16/2019	13:47:37	0.1	0.1	0.1	0.1
723	4/16/2019	13:48:07	0.1	0.1	0.1	0.1
724	4/16/2019	13:48:37	0.1	0.1	0.1	0.1
725	4/16/2019	13:49:07	0.1	0.1	0.1	0.1
726	4/16/2019	13:49:37	0.1	0.1	0.1	0.1
727	4/16/2019	13:50:07	0.1	0.1	0.1	0.1
728	4/16/2019	13:50:37	0.1	0.1	0.1	0.1
729	4/16/2019	13:51:07	0.1	0.1	0.1	0.1
730	4/16/2019	13:51:37	0.1	0.1	0.1	0.1
731	4/16/2019	13:52:07	0.1	0.1	0.1	0.1
732	4/16/2019	13:52:37	0.1	0.1	0.1	0.1
733	4/16/2019	13:53:07	0.1	0.1	0.1	0.1
734	4/16/2019	13:53:37	0.1	0.1	0.1	0.1
735	4/16/2019	13:54:07	0.1	0.1	0.1	0.1
736	4/16/2019	13:54:37	0.1	0.1	0.1	0.1
737	4/16/2019	13:55:07	0.1	0.1	0.1	0.1
738	4/16/2019	13:55:37	0.1	0.1	0.1	0.1
739	4/16/2019	13:56:07	0.1	0.1	0.1	0.1
740	4/16/2019	13:56:37	0.1	0.1	0.1	0.1
741	4/16/2019	13:57:07	0.1	0.1	0.1	0.1
742	4/16/2019	13:57:37	0.1	0.1	0.1	0.1
743	4/16/2019	13:58:07	0.1	0.1	0.1	0.1
744	4/16/2019	13:58:37	0.1	0.1	0.1	0.1
745	4/16/2019	13:59:07	0.1	0.1	0.1	0.1
746	4/16/2019	13:59:37	0.1	0.1	0.1	0.1
747	4/16/2019	14:00:07	0.1	0.1	0.1	0.1
748	4/16/2019	14:00:37	0.1	0.1	0.1	0.1
749	4/16/2019	14:01:07	0.1	0.1	0.1	0.1
750	4/16/2019	14:01:37	0.1	0.1	0.1	0.1
751	4/16/2019	14:02:07	0.1	0.1	0.1	0.1
752	4/16/2019	14:02:37	0.1	0.1	0.1	0.1
753	4/16/2019	14:03:07	0.1	0.1	0.1	0.1
754	4/16/2019	14:03:37	0.1	0.1	0.1	0.1
755	4/16/2019	14:04:07	0.1	0.1	0.1	0.1
756	4/16/2019	14:04:37	0.1	0.1	0.1	0.1
757	4/16/2019	14:05:07	0.1	0.1	0.1	0.1
758	4/16/2019	14:05:37	0.1	0.1	0.1	0.1
759	4/16/2019	14:06:07	0.1	0.1	0.1	0.1
760	4/16/2019	14:06:37	0.1	0.1	0.1	0.1
761	4/16/2019	14:07:07	0.1	0.1	0.1	0.1
762	4/16/2019	14:07:37	0.1	0.1	0.1	0.1
763	4/16/2019	14:08:07	0.1	0.1	0.1	0.1
764	4/16/2019	14:08:37	0.1	0.1	0.1	0.1

765	4/16/2019	14:09:07	0.1	0.1	0.1	0.1
766	4/16/2019	14:09:37	0.1	0.1	0.1	0.1
767	4/16/2019	14:10:07	0.1	0.1	0.1	0.1
768	4/16/2019	14:10:37	0.1	0.1	0.1	0.1
769	4/16/2019	14:11:07	0.1	0.1	0.1	0.1
770	4/16/2019	14:11:37	0.1	0.1	0.1	0.1
771	4/16/2019	14:12:07	0.1	0.1	0.1	0.1
772	4/16/2019	14:12:37	0.1	0.1	0.1	0.1
773	4/16/2019	14:13:07	0.1	0.1	0.1	0.1
774	4/16/2019	14:13:37	0.1	0.1	0.1	0.1
775	4/16/2019	14:14:07	0.1	0.1	0.1	0.1
776	4/16/2019	14:14:37	0.1	0.1	0.1	0.1
777	4/16/2019	14:15:07	0.1	0.1	0.1	0.1
778	4/16/2019	14:15:37	0.1	0.1	0.1	0.1
779	4/16/2019	14:16:07	0.1	0.1	0.1	0.1
780	4/16/2019	14:16:37	0.1	0.1	0.1	0.1
781	4/16/2019	14:17:07	0.1	0.1	0.1	0.1
782	4/16/2019	14:17:37	0.1	0.1	0.1	0.1
783	4/16/2019	14:18:07	0.1	0.1	0.1	0.1
784	4/16/2019	14:18:37	0.1	0.1	0.1	0.1
785	4/16/2019	14:19:07	0.1	0.1	0.1	0.1
786	4/16/2019	14:19:37	0.1	0.1	0.1	0.1
787	4/16/2019	14:20:07	0.1	0.1	0.1	0.1
788	4/16/2019	14:20:37	0.1	0.1	0.1	0.1
789	4/16/2019	14:21:07	0.1	0.1	0.1	0.1
790	4/16/2019	14:21:37	0.1	0.1	0.1	0.1
791	4/16/2019	14:22:07	0.1	0.1	0.1	0.1
792	4/16/2019	14:22:37	0.1	0.1	0.1	0.1
793	4/16/2019	14:23:07	0.1	0.1	0.1	0.1
794	4/16/2019	14:23:37	0.1	0.1	0.1	0.1
795	4/16/2019	14:24:07	0.1	0.1	0.1	0.1
796	4/16/2019	14:24:37	0.1	0.1	0.1	0.1
797	4/16/2019	14:25:07	0.1	0.1	0.1	0.1
798	4/16/2019	14:25:37	0.1	0.1	0.1	0.1
799	4/16/2019	14:26:07	0.1	0.1	0.1	0.1
800	4/16/2019	14:26:37	0.1	0.1	0.1	0.1
801	4/16/2019	14:27:07	0.1	0.1	0.1	0.1
802	4/16/2019	14:27:37	0.1	0.1	0.1	0.1
803	4/16/2019	14:28:07	0.1	0.1	0.1	0.1
Peak			0.1	0.1	0.1	0.1
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	4/16/2019	07:47:07	0.0	---
002	4/16/2019	07:47:37	0.0	---
003	4/16/2019	07:48:07	0.0	---

004	4/16/2019 07:48:37	0.0	---
005	4/16/2019 07:49:07	0.0	---
006	4/16/2019 07:49:37	0.0	---
007	4/16/2019 07:50:07	0.0	---
008	4/16/2019 07:50:37	0.0	---
009	4/16/2019 07:51:07	0.0	---
010	4/16/2019 07:51:37	0.0	---
011	4/16/2019 07:52:07	0.0	---
012	4/16/2019 07:52:37	0.0	---
013	4/16/2019 07:53:07	0.0	---
014	4/16/2019 07:53:37	0.0	---
015	4/16/2019 07:54:07	0.0	---
016	4/16/2019 07:54:37	0.0	---
017	4/16/2019 07:55:07	0.0	---
018	4/16/2019 07:55:37	0.0	---
019	4/16/2019 07:56:07	0.0	---
020	4/16/2019 07:56:37	0.0	---
021	4/16/2019 07:57:07	0.0	---
022	4/16/2019 07:57:37	0.0	---
023	4/16/2019 07:58:07	0.0	---
024	4/16/2019 07:58:37	0.0	---
025	4/16/2019 07:59:07	0.0	---
026	4/16/2019 07:59:37	0.0	---
027	4/16/2019 08:00:07	0.0	---
028	4/16/2019 08:00:37	0.0	---
029	4/16/2019 08:01:07	0.0	---
030	4/16/2019 08:01:37	0.0	0.0
031	4/16/2019 08:02:07	0.0	0.0
032	4/16/2019 08:02:37	0.0	0.0
033	4/16/2019 08:03:07	0.0	0.0
034	4/16/2019 08:03:37	0.0	0.0
035	4/16/2019 08:04:07	0.0	0.0
036	4/16/2019 08:04:37	0.0	0.0
037	4/16/2019 08:05:07	0.0	0.0
038	4/16/2019 08:05:37	0.0	0.0
039	4/16/2019 08:06:07	0.0	0.0
040	4/16/2019 08:06:37	0.0	0.0
041	4/16/2019 08:07:07	0.0	0.0
042	4/16/2019 08:07:37	0.0	0.0
043	4/16/2019 08:08:07	0.0	0.0
044	4/16/2019 08:08:37	0.0	0.0
045	4/16/2019 08:09:07	0.0	0.0
046	4/16/2019 08:09:37	0.0	0.0
047	4/16/2019 08:10:07	0.0	0.0
048	4/16/2019 08:10:37	0.0	0.0
049	4/16/2019 08:11:07	0.0	0.0
050	4/16/2019 08:11:37	0.0	0.0
051	4/16/2019 08:12:07	0.0	0.0
052	4/16/2019 08:12:37	0.0	0.0
053	4/16/2019 08:13:07	0.0	0.0

054	4/16/2019	08:13:37	0.0	0.0
055	4/16/2019	08:14:07	0.0	0.0
056	4/16/2019	08:14:37	0.0	0.0
057	4/16/2019	08:15:07	0.0	0.0
058	4/16/2019	08:15:37	0.0	0.0
059	4/16/2019	08:16:07	0.0	0.0
060	4/16/2019	08:16:37	0.0	0.0
061	4/16/2019	08:17:07	0.0	0.0
062	4/16/2019	08:17:37	0.0	0.0
063	4/16/2019	08:18:07	0.0	0.0
064	4/16/2019	08:18:37	0.0	0.0
065	4/16/2019	08:19:07	0.0	0.0
066	4/16/2019	08:19:37	0.0	0.0
067	4/16/2019	08:20:07	0.0	0.0
068	4/16/2019	08:20:37	0.0	0.0
069	4/16/2019	08:21:07	0.0	0.0
070	4/16/2019	08:21:37	0.0	0.0
071	4/16/2019	08:22:07	0.0	0.0
072	4/16/2019	08:22:37	0.0	0.0
073	4/16/2019	08:23:07	0.0	0.0
074	4/16/2019	08:23:37	0.0	0.0
075	4/16/2019	08:24:07	0.0	0.0
076	4/16/2019	08:24:37	0.0	0.0
077	4/16/2019	08:25:07	0.0	0.0
078	4/16/2019	08:25:37	0.0	0.0
079	4/16/2019	08:26:07	0.0	0.0
080	4/16/2019	08:26:37	0.0	0.0
081	4/16/2019	08:27:07	0.0	0.0
082	4/16/2019	08:27:37	0.0	0.0
083	4/16/2019	08:28:07	0.0	0.0
084	4/16/2019	08:28:37	0.0	0.0
085	4/16/2019	08:29:07	0.0	0.0
086	4/16/2019	08:29:37	0.0	0.0
087	4/16/2019	08:30:07	0.0	0.0
088	4/16/2019	08:30:37	0.0	0.0
089	4/16/2019	08:31:07	0.0	0.0
090	4/16/2019	08:31:37	0.0	0.0
091	4/16/2019	08:32:07	0.0	0.0
092	4/16/2019	08:32:37	0.0	0.0
093	4/16/2019	08:33:07	0.0	0.0
094	4/16/2019	08:33:37	0.0	0.0
095	4/16/2019	08:34:07	0.0	0.0
096	4/16/2019	08:34:37	0.0	0.0
097	4/16/2019	08:35:07	0.0	0.0
098	4/16/2019	08:35:37	0.0	0.0
099	4/16/2019	08:36:07	0.0	0.0
100	4/16/2019	08:36:37	0.0	0.0
101	4/16/2019	08:37:07	0.0	0.0
102	4/16/2019	08:37:37	0.0	0.0
103	4/16/2019	08:38:07	0.0	0.0

104	4/16/2019 08:38:37	0.0	0.0
105	4/16/2019 08:39:07	0.0	0.0
106	4/16/2019 08:39:37	0.0	0.0
107	4/16/2019 08:40:07	0.0	0.0
108	4/16/2019 08:40:37	0.0	0.0
109	4/16/2019 08:41:07	0.0	0.0
110	4/16/2019 08:41:37	0.0	0.0
111	4/16/2019 08:42:07	0.0	0.0
112	4/16/2019 08:42:37	0.0	0.0
113	4/16/2019 08:43:07	0.0	0.0
114	4/16/2019 08:43:37	0.0	0.0
115	4/16/2019 08:44:07	0.0	0.0
116	4/16/2019 08:44:37	0.0	0.0
117	4/16/2019 08:45:07	0.0	0.0
118	4/16/2019 08:45:37	0.0	0.0
119	4/16/2019 08:46:07	0.0	0.0
120	4/16/2019 08:46:37	0.0	0.0
121	4/16/2019 08:47:07	0.0	0.0
122	4/16/2019 08:47:37	0.0	0.0
123	4/16/2019 08:48:07	0.0	0.0
124	4/16/2019 08:48:37	0.0	0.0
125	4/16/2019 08:49:07	0.0	0.0
126	4/16/2019 08:49:37	0.0	0.0
127	4/16/2019 08:50:07	0.0	0.0
128	4/16/2019 08:50:37	0.0	0.0
129	4/16/2019 08:51:07	0.0	0.0
130	4/16/2019 08:51:37	0.0	0.0
131	4/16/2019 08:52:07	0.0	0.0
132	4/16/2019 08:52:37	0.0	0.0
133	4/16/2019 08:53:07	0.0	0.0
134	4/16/2019 08:53:37	0.0	0.0
135	4/16/2019 08:54:07	0.0	0.0
136	4/16/2019 08:54:37	0.0	0.0
137	4/16/2019 08:55:07	0.0	0.0
138	4/16/2019 08:55:37	0.0	0.0
139	4/16/2019 08:56:07	0.0	0.0
140	4/16/2019 08:56:37	0.0	0.0
141	4/16/2019 08:57:07	0.0	0.0
142	4/16/2019 08:57:37	0.0	0.0
143	4/16/2019 08:58:07	0.0	0.0
144	4/16/2019 08:58:37	0.0	0.0
145	4/16/2019 08:59:07	0.0	0.0
146	4/16/2019 08:59:37	0.0	0.0
147	4/16/2019 09:00:07	0.0	0.0
148	4/16/2019 09:00:37	0.0	0.0
149	4/16/2019 09:01:07	0.0	0.0
150	4/16/2019 09:01:37	0.0	0.0
151	4/16/2019 09:02:07	0.0	0.0
152	4/16/2019 09:02:37	0.0	0.0
153	4/16/2019 09:03:07	0.0	0.0

154	4/16/2019 09:03:37	0.0	0.0
155	4/16/2019 09:04:07	0.0	0.0
156	4/16/2019 09:04:37	0.0	0.0
157	4/16/2019 09:05:07	0.0	0.0
158	4/16/2019 09:05:37	0.0	0.0
159	4/16/2019 09:06:07	0.0	0.0
160	4/16/2019 09:06:37	0.0	0.0
161	4/16/2019 09:07:07	0.0	0.0
162	4/16/2019 09:07:37	0.0	0.0
163	4/16/2019 09:08:07	0.0	0.0
164	4/16/2019 09:08:37	0.0	0.0
165	4/16/2019 09:09:07	0.0	0.0
166	4/16/2019 09:09:37	0.0	0.0
167	4/16/2019 09:10:07	0.0	0.0
168	4/16/2019 09:10:37	0.0	0.0
169	4/16/2019 09:11:07	0.0	0.0
170	4/16/2019 09:11:37	0.0	0.0
171	4/16/2019 09:12:07	0.0	0.0
172	4/16/2019 09:12:37	0.0	0.0
173	4/16/2019 09:13:07	0.0	0.0
174	4/16/2019 09:13:37	0.0	0.0
175	4/16/2019 09:14:07	0.0	0.0
176	4/16/2019 09:14:37	0.0	0.0
177	4/16/2019 09:15:07	0.0	0.0
178	4/16/2019 09:15:37	0.0	0.0
179	4/16/2019 09:16:07	0.0	0.0
180	4/16/2019 09:16:37	0.0	0.0
181	4/16/2019 09:17:07	0.0	0.0
182	4/16/2019 09:17:37	0.0	0.0
183	4/16/2019 09:18:07	0.0	0.0
184	4/16/2019 09:18:37	0.0	0.0
185	4/16/2019 09:19:07	0.0	0.0
186	4/16/2019 09:19:37	0.0	0.0
187	4/16/2019 09:20:07	0.0	0.0
188	4/16/2019 09:20:37	0.0	0.0
189	4/16/2019 09:21:07	0.0	0.0
190	4/16/2019 09:21:37	0.0	0.0
191	4/16/2019 09:22:07	0.0	0.0
192	4/16/2019 09:22:37	0.0	0.0
193	4/16/2019 09:23:07	0.0	0.0
194	4/16/2019 09:23:37	0.0	0.0
195	4/16/2019 09:24:07	0.0	0.0
196	4/16/2019 09:24:37	0.0	0.0
197	4/16/2019 09:25:07	0.0	0.0
198	4/16/2019 09:25:37	0.0	0.0
199	4/16/2019 09:26:07	0.0	0.0
200	4/16/2019 09:26:37	0.0	0.0
201	4/16/2019 09:27:07	0.0	0.0
202	4/16/2019 09:27:37	0.0	0.0
203	4/16/2019 09:28:07	0.0	0.0

204	4/16/2019 09:28:37	0.0	0.0
205	4/16/2019 09:29:07	0.0	0.0
206	4/16/2019 09:29:37	0.0	0.0
207	4/16/2019 09:30:07	0.0	0.0
208	4/16/2019 09:30:37	0.0	0.0
209	4/16/2019 09:31:07	0.0	0.0
210	4/16/2019 09:31:37	0.0	0.0
211	4/16/2019 09:32:07	0.0	0.0
212	4/16/2019 09:32:37	0.0	0.0
213	4/16/2019 09:33:07	0.0	0.0
214	4/16/2019 09:33:37	0.0	0.0
215	4/16/2019 09:34:07	0.0	0.0
216	4/16/2019 09:34:37	0.0	0.0
217	4/16/2019 09:35:07	0.0	0.0
218	4/16/2019 09:35:37	0.0	0.0
219	4/16/2019 09:36:07	0.0	0.0
220	4/16/2019 09:36:37	0.0	0.0
221	4/16/2019 09:37:07	0.0	0.0
222	4/16/2019 09:37:37	0.0	0.0
223	4/16/2019 09:38:07	0.0	0.0
224	4/16/2019 09:38:37	0.0	0.0
225	4/16/2019 09:39:07	0.0	0.0
226	4/16/2019 09:39:37	0.0	0.0
227	4/16/2019 09:40:07	0.0	0.0
228	4/16/2019 09:40:37	0.0	0.0
229	4/16/2019 09:41:07	0.0	0.0
230	4/16/2019 09:41:37	0.0	0.0
231	4/16/2019 09:42:07	0.0	0.0
232	4/16/2019 09:42:37	0.0	0.0
233	4/16/2019 09:43:07	0.0	0.0
234	4/16/2019 09:43:37	0.0	0.0
235	4/16/2019 09:44:07	0.0	0.0
236	4/16/2019 09:44:37	0.0	0.0
237	4/16/2019 09:45:07	0.0	0.0
238	4/16/2019 09:45:37	0.0	0.0
239	4/16/2019 09:46:07	0.0	0.0
240	4/16/2019 09:46:37	0.0	0.0
241	4/16/2019 09:47:07	0.0	0.0
242	4/16/2019 09:47:37	0.0	0.0
243	4/16/2019 09:48:07	0.0	0.0
244	4/16/2019 09:48:37	0.0	0.0
245	4/16/2019 09:49:07	0.0	0.0
246	4/16/2019 09:49:37	0.0	0.0
247	4/16/2019 09:50:07	0.0	0.0
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249	4/16/2019 09:51:07	0.0	0.0
250	4/16/2019 09:51:37	0.0	0.0
251	4/16/2019 09:52:07	0.0	0.0
252	4/16/2019 09:52:37	0.0	0.0
253	4/16/2019 09:53:07	0.0	0.0

254	4/16/2019 09:53:37	0.0	0.0
255	4/16/2019 09:54:07	0.0	0.0
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257	4/16/2019 09:55:07	0.0	0.0
258	4/16/2019 09:55:37	0.0	0.0
259	4/16/2019 09:56:07	0.0	0.0
260	4/16/2019 09:56:37	0.0	0.0
261	4/16/2019 09:57:07	0.0	0.0
262	4/16/2019 09:57:37	0.0	0.0
263	4/16/2019 09:58:07	0.0	0.0
264	4/16/2019 09:58:37	0.0	0.0
265	4/16/2019 09:59:07	0.0	0.0
266	4/16/2019 09:59:37	0.0	0.0
267	4/16/2019 10:00:07	0.0	0.0
268	4/16/2019 10:00:37	0.0	0.0
269	4/16/2019 10:01:07	0.0	0.0
270	4/16/2019 10:01:37	0.0	0.0
271	4/16/2019 10:02:07	0.0	0.0
272	4/16/2019 10:02:37	0.0	0.0
273	4/16/2019 10:03:07	0.0	0.0
274	4/16/2019 10:03:37	0.0	0.0
275	4/16/2019 10:04:07	0.0	0.0
276	4/16/2019 10:04:37	0.0	0.0
277	4/16/2019 10:05:07	0.0	0.0
278	4/16/2019 10:05:37	0.0	0.0
279	4/16/2019 10:06:07	0.0	0.0
280	4/16/2019 10:06:37	0.0	0.0
281	4/16/2019 10:07:07	0.0	0.0
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649	4/16/2019 13:11:07	0.0	0.0
650	4/16/2019 13:11:37	0.0	0.0
651	4/16/2019 13:12:07	0.0	0.0
652	4/16/2019 13:12:37	0.0	0.0
653	4/16/2019 13:13:07	0.0	0.0

654	4/16/2019 13:13:37	0.0	0.0
655	4/16/2019 13:14:07	0.0	0.0
656	4/16/2019 13:14:37	0.0	0.0
657	4/16/2019 13:15:07	0.0	0.0
658	4/16/2019 13:15:37	0.0	0.0
659	4/16/2019 13:16:07	0.0	0.0
660	4/16/2019 13:16:37	0.0	0.0
661	4/16/2019 13:17:07	0.0	0.0
662	4/16/2019 13:17:37	0.0	0.0
663	4/16/2019 13:18:07	0.0	0.0
664	4/16/2019 13:18:37	0.0	0.0
665	4/16/2019 13:19:07	0.0	0.0
666	4/16/2019 13:19:37	0.0	0.0
667	4/16/2019 13:20:07	0.0	0.0
668	4/16/2019 13:20:37	0.0	0.0
669	4/16/2019 13:21:07	0.0	0.0
670	4/16/2019 13:21:37	0.0	0.0
671	4/16/2019 13:22:07	0.0	0.0
672	4/16/2019 13:22:37	0.0	0.1
673	4/16/2019 13:23:07	0.0	0.1
674	4/16/2019 13:23:37	0.0	0.1
675	4/16/2019 13:24:07	0.0	0.1
676	4/16/2019 13:24:37	0.0	0.1
677	4/16/2019 13:25:07	0.0	0.1
678	4/16/2019 13:25:37	0.0	0.1
679	4/16/2019 13:26:07	0.0	0.1
680	4/16/2019 13:26:37	0.0	0.1
681	4/16/2019 13:27:07	0.0	0.1
682	4/16/2019 13:27:37	0.0	0.1
683	4/16/2019 13:28:07	0.0	0.1
684	4/16/2019 13:28:37	0.0	0.1
685	4/16/2019 13:29:07	0.0	0.1
686	4/16/2019 13:29:37	0.0	0.1
687	4/16/2019 13:30:07	0.0	0.1
688	4/16/2019 13:30:37	0.0	0.1
689	4/16/2019 13:31:07	0.0	0.1
690	4/16/2019 13:31:37	0.0	0.1
691	4/16/2019 13:32:07	0.0	0.1
692	4/16/2019 13:32:37	0.0	0.1
693	4/16/2019 13:33:07	0.0	0.1
694	4/16/2019 13:33:37	0.0	0.1
695	4/16/2019 13:34:07	0.0	0.1
696	4/16/2019 13:34:37	0.0	0.1
697	4/16/2019 13:35:07	0.0	0.1
698	4/16/2019 13:35:37	0.0	0.1
699	4/16/2019 13:36:07	0.0	0.1
700	4/16/2019 13:36:37	0.0	0.1
701	4/16/2019 13:37:07	0.0	0.1
702	4/16/2019 13:37:37	0.0	0.1
703	4/16/2019 13:38:07	0.0	0.1

704	4/16/2019 13:38:37	0.0	0.1
705	4/16/2019 13:39:07	0.0	0.1
706	4/16/2019 13:39:37	0.0	0.1
707	4/16/2019 13:40:07	0.0	0.1
708	4/16/2019 13:40:37	0.0	0.1
709	4/16/2019 13:41:07	0.0	0.1
710	4/16/2019 13:41:37	0.0	0.1
711	4/16/2019 13:42:07	0.0	0.1
712	4/16/2019 13:42:37	0.0	0.1
713	4/16/2019 13:43:07	0.0	0.1
714	4/16/2019 13:43:37	0.0	0.1
715	4/16/2019 13:44:07	0.0	0.1
716	4/16/2019 13:44:37	0.0	0.1
717	4/16/2019 13:45:07	0.0	0.1
718	4/16/2019 13:45:37	0.0	0.1
719	4/16/2019 13:46:07	0.0	0.1
720	4/16/2019 13:46:37	0.0	0.1
721	4/16/2019 13:47:07	0.0	0.1
722	4/16/2019 13:47:37	0.0	0.1
723	4/16/2019 13:48:07	0.0	0.1
724	4/16/2019 13:48:37	0.0	0.1
725	4/16/2019 13:49:07	0.0	0.1
726	4/16/2019 13:49:37	0.0	0.1
727	4/16/2019 13:50:07	0.0	0.1
728	4/16/2019 13:50:37	0.0	0.1
729	4/16/2019 13:51:07	0.0	0.1
730	4/16/2019 13:51:37	0.0	0.1
731	4/16/2019 13:52:07	0.0	0.1
732	4/16/2019 13:52:37	0.0	0.1
733	4/16/2019 13:53:07	0.0	0.1
734	4/16/2019 13:53:37	0.0	0.1
735	4/16/2019 13:54:07	0.0	0.1
736	4/16/2019 13:54:37	0.0	0.1
737	4/16/2019 13:55:07	0.0	0.1
738	4/16/2019 13:55:37	0.0	0.1
739	4/16/2019 13:56:07	0.0	0.1
740	4/16/2019 13:56:37	0.0	0.1
741	4/16/2019 13:57:07	0.0	0.1
742	4/16/2019 13:57:37	0.0	0.1
743	4/16/2019 13:58:07	0.0	0.1
744	4/16/2019 13:58:37	0.0	0.1
745	4/16/2019 13:59:07	0.0	0.1
746	4/16/2019 13:59:37	0.0	0.1
747	4/16/2019 14:00:07	0.0	0.1
748	4/16/2019 14:00:37	0.0	0.1
749	4/16/2019 14:01:07	0.0	0.1
750	4/16/2019 14:01:37	0.0	0.1
751	4/16/2019 14:02:07	0.0	0.1
752	4/16/2019 14:02:37	0.0	0.1
753	4/16/2019 14:03:07	0.0	0.1

754	4/16/2019 14:03:37	0.0	0.1
755	4/16/2019 14:04:07	0.0	0.1
756	4/16/2019 14:04:37	0.0	0.1
757	4/16/2019 14:05:07	0.0	0.1
758	4/16/2019 14:05:37	0.0	0.1
759	4/16/2019 14:06:07	0.0	0.1
760	4/16/2019 14:06:37	0.0	0.1
761	4/16/2019 14:07:07	0.0	0.1
762	4/16/2019 14:07:37	0.0	0.1
763	4/16/2019 14:08:07	0.0	0.1
764	4/16/2019 14:08:37	0.0	0.1
765	4/16/2019 14:09:07	0.0	0.1
766	4/16/2019 14:09:37	0.0	0.1
767	4/16/2019 14:10:07	0.0	0.1
768	4/16/2019 14:10:37	0.0	0.1
769	4/16/2019 14:11:07	0.0	0.1
770	4/16/2019 14:11:37	0.0	0.1
771	4/16/2019 14:12:07	0.0	0.1
772	4/16/2019 14:12:37	0.0	0.1
773	4/16/2019 14:13:07	0.0	0.1
774	4/16/2019 14:13:37	0.0	0.1
775	4/16/2019 14:14:07	0.0	0.1
776	4/16/2019 14:14:37	0.0	0.1
777	4/16/2019 14:15:07	0.0	0.1
778	4/16/2019 14:15:37	0.0	0.1
779	4/16/2019 14:16:07	0.0	0.1
780	4/16/2019 14:16:37	0.0	0.1
781	4/16/2019 14:17:07	0.0	0.1
782	4/16/2019 14:17:37	0.0	0.1
783	4/16/2019 14:18:07	0.0	0.1
784	4/16/2019 14:18:37	0.0	0.1
785	4/16/2019 14:19:07	0.0	0.1
786	4/16/2019 14:19:37	0.0	0.1
787	4/16/2019 14:20:07	0.0	0.1
788	4/16/2019 14:20:37	0.0	0.1
789	4/16/2019 14:21:07	0.0	0.1
790	4/16/2019 14:21:37	0.0	0.1
791	4/16/2019 14:22:07	0.0	0.1
792	4/16/2019 14:22:37	0.0	0.1
793	4/16/2019 14:23:07	0.0	0.1
794	4/16/2019 14:23:37	0.0	0.1
795	4/16/2019 14:24:07	0.0	0.1
796	4/16/2019 14:24:37	0.0	0.1
797	4/16/2019 14:25:07	0.0	0.1
798	4/16/2019 14:25:37	0.0	0.1
799	4/16/2019 14:26:07	0.0	0.1
800	4/16/2019 14:26:37	0.0	0.1
801	4/16/2019 14:27:07	0.0	0.1
802	4/16/2019 14:27:37	0.0	0.1
803	4/16/2019 14:28:07	0.0	0.1

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19/04/17 08:19
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver	V2.16

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

Site ID PES00000
User ID PES00000

Begin	4/17/2019 08:19:13
End	4/17/2019 08:19:28
Sample Period(s)	30
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S0?3030298V9
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	100.0
TWA Alarm	50.0
Measurement Gas Isobutylene
Calibration Time	4/16/2019 07:40

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Datalog

0 record.

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19/04/17 08:27
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode

Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID PES00000
User ID PES00000

Begin 4/17/2019 08:27:56
End 4/17/2019 14:15:28
Sample Period(s) 30
Number of Records 695

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/16/2019 07:40
Peak 0.3
Min 0.0
Average 0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/17/2019 08:28:26	0.0	0.0	0.0	0.0	
002	4/17/2019 08:28:56	0.0	0.0	0.0	0.0	
003	4/17/2019 08:29:26	0.0	0.0	0.0	0.0	
004	4/17/2019 08:29:56	0.0	0.0	0.0	0.0	
005	4/17/2019 08:30:26	0.0	0.0	0.0	0.0	
006	4/17/2019 08:30:56	0.0	0.0	0.0	0.0	
007	4/17/2019 08:31:26	0.0	0.0	0.0	0.0	
008	4/17/2019 08:31:56	0.0	0.0	0.0	0.0	
009	4/17/2019 08:32:26	0.0	0.0	0.0	0.0	
010	4/17/2019 08:32:56	0.0	0.0	0.0	0.0	
011	4/17/2019 08:33:26	0.0	0.0	0.0	0.0	
012	4/17/2019 08:33:56	0.0	0.0	0.0	0.0	
013	4/17/2019 08:34:26	0.0	0.0	0.0	0.0	
014	4/17/2019 08:34:56	0.0	0.0	0.0	0.0	
015	4/17/2019 08:35:26	0.0	0.0	0.0	0.0	
016	4/17/2019 08:35:56	0.0	0.0	0.0	0.0	
017	4/17/2019 08:36:26	0.0	0.0	0.0	0.0	
018	4/17/2019 08:36:56	0.0	0.0	0.0	0.0	

019	4/17/2019	08:37:26	0.0	0.0	0.0	0.0
020	4/17/2019	08:37:56	0.0	0.0	0.0	0.0
021	4/17/2019	08:38:26	0.0	0.0	0.0	0.0
022	4/17/2019	08:38:56	0.0	0.0	0.0	0.0
023	4/17/2019	08:39:26	0.0	0.0	0.0	0.0
024	4/17/2019	08:39:56	0.0	0.0	0.0	0.0
025	4/17/2019	08:40:26	0.0	0.0	0.0	0.0
026	4/17/2019	08:40:56	0.0	0.0	0.0	0.0
027	4/17/2019	08:41:26	0.0	0.0	0.0	0.0
028	4/17/2019	08:41:56	0.0	0.0	0.0	0.0
029	4/17/2019	08:42:26	0.0	0.0	0.0	0.0
030	4/17/2019	08:42:56	0.0	0.0	0.0	0.0
031	4/17/2019	08:43:26	0.0	0.0	0.0	0.0
032	4/17/2019	08:43:56	0.0	0.0	0.0	0.0
033	4/17/2019	08:44:26	0.0	0.0	0.0	0.0
034	4/17/2019	08:44:56	0.0	0.0	0.0	0.0
035	4/17/2019	08:45:26	0.0	0.0	0.0	0.0
036	4/17/2019	08:45:56	0.0	0.0	0.0	0.0
037	4/17/2019	08:46:26	0.0	0.0	0.0	0.0
038	4/17/2019	08:46:56	0.0	0.0	0.0	0.0
039	4/17/2019	08:47:26	0.0	0.0	0.0	0.0
040	4/17/2019	08:47:56	0.0	0.0	0.0	0.0
041	4/17/2019	08:48:26	0.0	0.0	0.0	0.0
042	4/17/2019	08:48:56	0.0	0.0	0.0	0.0
043	4/17/2019	08:49:26	0.0	0.0	0.0	0.0
044	4/17/2019	08:49:56	0.0	0.0	0.0	0.0
045	4/17/2019	08:50:26	0.0	0.0	0.0	0.0
046	4/17/2019	08:50:56	0.0	0.0	0.0	0.0
047	4/17/2019	08:51:26	0.0	0.0	0.0	0.0
048	4/17/2019	08:51:56	0.0	0.0	0.0	0.0
049	4/17/2019	08:52:26	0.0	0.0	0.0	0.0
050	4/17/2019	08:52:56	0.0	0.0	0.0	0.0
051	4/17/2019	08:53:26	0.0	0.0	0.0	0.0
052	4/17/2019	08:53:56	0.0	0.0	0.0	0.0
053	4/17/2019	08:54:26	0.0	0.0	0.0	0.0
054	4/17/2019	08:54:56	0.0	0.0	0.0	0.0
055	4/17/2019	08:55:26	0.0	0.0	0.0	0.0
056	4/17/2019	08:55:56	0.0	0.0	0.0	0.0
057	4/17/2019	08:56:26	0.0	0.0	0.0	0.0
058	4/17/2019	08:56:56	0.0	0.0	0.0	0.0
059	4/17/2019	08:57:26	0.0	0.0	0.0	0.0
060	4/17/2019	08:57:56	0.0	0.0	0.0	0.0
061	4/17/2019	08:58:26	0.0	0.0	0.0	0.0
062	4/17/2019	08:58:56	0.0	0.0	0.0	0.0
063	4/17/2019	08:59:26	0.0	0.0	0.0	0.0
064	4/17/2019	08:59:56	0.0	0.0	0.0	0.0
065	4/17/2019	09:00:26	0.0	0.0	0.0	0.0
066	4/17/2019	09:00:56	0.0	0.0	0.0	0.0
067	4/17/2019	09:01:26	0.0	0.0	0.0	0.0
068	4/17/2019	09:01:56	0.0	0.0	0.0	0.0

069	4/17/2019	09:02:26	0.0	0.0	0.0	0.0
070	4/17/2019	09:02:56	0.0	0.0	0.0	0.0
071	4/17/2019	09:03:26	0.0	0.0	0.0	0.0
072	4/17/2019	09:03:56	0.0	0.0	0.0	0.0
073	4/17/2019	09:04:26	0.0	0.0	0.0	0.0
074	4/17/2019	09:04:56	0.0	0.0	0.0	0.0
075	4/17/2019	09:05:26	0.0	0.0	0.0	0.0
076	4/17/2019	09:05:56	0.0	0.0	0.0	0.0
077	4/17/2019	09:06:26	0.0	0.0	0.0	0.0
078	4/17/2019	09:06:56	0.0	0.0	0.0	0.0
079	4/17/2019	09:07:26	0.0	0.0	0.0	0.0
080	4/17/2019	09:07:56	0.0	0.0	0.0	0.0
081	4/17/2019	09:08:26	0.0	0.0	0.0	0.0
082	4/17/2019	09:08:56	0.0	0.0	0.0	0.0
083	4/17/2019	09:09:26	0.0	0.0	0.0	0.0
084	4/17/2019	09:09:56	0.0	0.0	0.0	0.0
085	4/17/2019	09:10:26	0.0	0.0	0.0	0.0
086	4/17/2019	09:10:56	0.0	0.0	0.0	0.0
087	4/17/2019	09:11:26	0.0	0.0	0.0	0.0
088	4/17/2019	09:11:56	0.0	0.0	0.0	0.0
089	4/17/2019	09:12:26	0.0	0.0	0.0	0.0
090	4/17/2019	09:12:56	0.0	0.0	0.0	0.0
091	4/17/2019	09:13:26	0.0	0.0	0.0	0.0
092	4/17/2019	09:13:56	0.0	0.0	0.0	0.0
093	4/17/2019	09:14:26	0.0	0.1	0.2	0.1
094	4/17/2019	09:14:56	0.0	0.2	0.5	0.0
095	4/17/2019	09:15:26	0.0	0.0	0.0	0.0
096	4/17/2019	09:15:56	0.0	0.0	0.0	0.0
097	4/17/2019	09:16:26	0.0	0.0	0.0	0.0
098	4/17/2019	09:16:56	0.0	0.0	0.0	0.0
099	4/17/2019	09:17:26	0.0	0.0	0.0	0.0
100	4/17/2019	09:17:56	0.0	0.0	0.0	0.0
101	4/17/2019	09:18:26	0.0	0.0	0.0	0.0
102	4/17/2019	09:18:56	0.0	0.0	0.0	0.0
103	4/17/2019	09:19:26	0.0	0.0	0.0	0.0
104	4/17/2019	09:19:56	0.0	0.0	0.0	0.0
105	4/17/2019	09:20:26	0.0	0.0	0.0	0.0
106	4/17/2019	09:20:56	0.0	0.0	0.0	0.0
107	4/17/2019	09:21:26	0.0	0.0	0.0	0.0
108	4/17/2019	09:21:56	0.0	0.0	0.0	0.0
109	4/17/2019	09:22:26	0.0	0.0	0.0	0.0
110	4/17/2019	09:22:56	0.0	0.0	0.0	0.0
111	4/17/2019	09:23:26	0.0	0.0	0.0	0.0
112	4/17/2019	09:23:56	0.0	0.0	0.0	0.0
113	4/17/2019	09:24:26	0.0	0.0	0.0	0.0
114	4/17/2019	09:24:56	0.0	0.0	0.0	0.0
115	4/17/2019	09:25:26	0.0	0.0	0.0	0.0
116	4/17/2019	09:25:56	0.0	0.0	0.0	0.0
117	4/17/2019	09:26:26	0.0	0.0	0.0	0.0
118	4/17/2019	09:26:56	0.0	0.0	0.0	0.0

119	4/17/2019	09:27:26	0.0	0.0	0.0	0.0
120	4/17/2019	09:27:56	0.0	0.0	0.0	0.0
121	4/17/2019	09:28:26	0.0	0.0	0.0	0.0
122	4/17/2019	09:28:56	0.0	0.0	0.0	0.0
123	4/17/2019	09:29:26	0.0	0.0	0.0	0.0
124	4/17/2019	09:29:56	0.0	0.0	0.0	0.0
125	4/17/2019	09:30:26	0.0	0.0	0.0	0.0
126	4/17/2019	09:30:56	0.0	0.0	0.0	0.0
127	4/17/2019	09:31:26	0.0	0.0	0.0	0.0
128	4/17/2019	09:31:56	0.0	0.0	0.0	0.0
129	4/17/2019	09:32:26	0.0	0.0	0.0	0.0
130	4/17/2019	09:32:56	0.0	0.0	0.0	0.0
131	4/17/2019	09:33:26	0.0	0.0	0.0	0.0
132	4/17/2019	09:33:56	0.0	0.0	0.0	0.0
133	4/17/2019	09:34:26	0.0	0.0	0.0	0.0
134	4/17/2019	09:34:56	0.0	0.0	0.0	0.0
135	4/17/2019	09:35:26	0.0	0.0	0.0	0.0
136	4/17/2019	09:35:56	0.0	0.0	0.0	0.0
137	4/17/2019	09:36:26	0.0	0.0	0.0	0.0
138	4/17/2019	09:36:56	0.0	0.0	0.0	0.0
139	4/17/2019	09:37:26	0.0	0.0	0.0	0.0
140	4/17/2019	09:37:56	0.0	0.0	0.0	0.0
141	4/17/2019	09:38:26	0.0	0.0	0.0	0.0
142	4/17/2019	09:38:56	0.0	0.0	0.0	0.0
143	4/17/2019	09:39:26	0.0	0.0	0.0	0.0
144	4/17/2019	09:39:56	0.0	0.0	0.0	0.0
145	4/17/2019	09:40:26	0.0	0.0	0.0	0.0
146	4/17/2019	09:40:56	0.0	0.0	0.0	0.0
147	4/17/2019	09:41:26	0.0	0.0	0.0	0.0
148	4/17/2019	09:41:56	0.0	0.0	0.0	0.0
149	4/17/2019	09:42:26	0.0	0.0	0.0	0.0
150	4/17/2019	09:42:56	0.0	0.0	0.0	0.0
151	4/17/2019	09:43:26	0.0	0.0	0.0	0.0
152	4/17/2019	09:43:56	0.0	0.0	0.0	0.0
153	4/17/2019	09:44:26	0.0	0.0	0.0	0.0
154	4/17/2019	09:44:56	0.0	0.0	0.0	0.0
155	4/17/2019	09:45:26	0.0	0.0	0.0	0.0
156	4/17/2019	09:45:56	0.0	0.0	0.0	0.0
157	4/17/2019	09:46:26	0.0	0.0	0.0	0.0
158	4/17/2019	09:46:56	0.0	0.0	0.0	0.0
159	4/17/2019	09:47:26	0.0	0.0	0.0	0.0
160	4/17/2019	09:47:56	0.0	0.0	0.0	0.0
161	4/17/2019	09:48:26	0.0	0.0	0.0	0.0
162	4/17/2019	09:48:56	0.0	0.0	0.0	0.0
163	4/17/2019	09:49:26	0.0	0.0	0.0	0.0
164	4/17/2019	09:49:56	0.0	0.0	0.0	0.0
165	4/17/2019	09:50:26	0.0	0.0	0.0	0.0
166	4/17/2019	09:50:56	0.0	0.0	0.0	0.0
167	4/17/2019	09:51:26	0.0	0.0	0.0	0.0
168	4/17/2019	09:51:56	0.0	0.0	0.0	0.0

169	4/17/2019	09:52:26	0.0	0.0	0.0	0.0
170	4/17/2019	09:52:56	0.0	0.0	0.0	0.0
171	4/17/2019	09:53:26	0.0	0.0	0.0	0.0
172	4/17/2019	09:53:56	0.0	0.0	0.0	0.0
173	4/17/2019	09:54:26	0.0	0.0	0.0	0.0
174	4/17/2019	09:54:56	0.0	0.0	0.0	0.0
175	4/17/2019	09:55:26	0.0	0.0	0.0	0.0
176	4/17/2019	09:55:56	0.0	0.0	0.0	0.0
177	4/17/2019	09:56:26	0.0	0.0	0.0	0.0
178	4/17/2019	09:56:56	0.0	0.0	0.0	0.0
179	4/17/2019	09:57:26	0.0	0.0	0.0	0.0
180	4/17/2019	09:57:56	0.0	0.0	0.0	0.0
181	4/17/2019	09:58:26	0.0	0.0	0.0	0.0
182	4/17/2019	09:58:56	0.0	0.0	0.0	0.0
183	4/17/2019	09:59:26	0.0	0.0	0.0	0.0
184	4/17/2019	09:59:56	0.0	0.0	0.0	0.0
185	4/17/2019	10:00:26	0.0	0.0	0.0	0.0
186	4/17/2019	10:00:56	0.0	0.0	0.0	0.0
187	4/17/2019	10:01:26	0.0	0.0	0.0	0.0
188	4/17/2019	10:01:56	0.0	0.0	0.0	0.0
189	4/17/2019	10:02:26	0.0	0.0	0.0	0.0
190	4/17/2019	10:02:56	0.0	0.0	0.0	0.0
191	4/17/2019	10:03:26	0.0	0.0	0.0	0.0
192	4/17/2019	10:03:56	0.0	0.0	0.0	0.0
193	4/17/2019	10:04:26	0.0	0.0	0.0	0.0
194	4/17/2019	10:04:56	0.0	0.0	0.0	0.0
195	4/17/2019	10:05:26	0.0	0.0	0.0	0.0
196	4/17/2019	10:05:56	0.0	0.0	0.0	0.0
197	4/17/2019	10:06:26	0.0	0.0	0.0	0.0
198	4/17/2019	10:06:56	0.0	0.0	0.0	0.0
199	4/17/2019	10:07:26	0.0	0.0	0.0	0.0
200	4/17/2019	10:07:56	0.0	0.0	0.0	0.0
201	4/17/2019	10:08:26	0.0	0.0	0.0	0.0
202	4/17/2019	10:08:56	0.0	0.0	0.0	0.0
203	4/17/2019	10:09:26	0.0	0.0	0.0	0.0
204	4/17/2019	10:09:56	0.0	0.0	0.0	0.0
205	4/17/2019	10:10:26	0.0	0.0	0.0	0.0
206	4/17/2019	10:10:56	0.0	0.0	0.0	0.0
207	4/17/2019	10:11:26	0.0	0.0	0.0	0.0
208	4/17/2019	10:11:56	0.0	0.0	0.0	0.0
209	4/17/2019	10:12:26	0.0	0.0	0.0	0.0
210	4/17/2019	10:12:56	0.0	0.0	0.0	0.0
211	4/17/2019	10:13:26	0.0	0.0	0.0	0.0
212	4/17/2019	10:13:56	0.0	0.0	0.1	0.0
213	4/17/2019	10:14:26	0.0	0.0	0.1	0.0
214	4/17/2019	10:14:56	0.0	0.0	0.0	0.0
215	4/17/2019	10:15:26	0.0	0.0	0.0	0.0
216	4/17/2019	10:15:56	0.0	0.0	0.1	0.0
217	4/17/2019	10:16:26	0.0	0.0	0.0	0.0
218	4/17/2019	10:16:56	0.0	0.0	0.0	0.0

219	4/17/2019	10:17:26	0.0	0.0	0.0	0.0
220	4/17/2019	10:17:56	0.0	0.0	0.1	0.0
221	4/17/2019	10:18:26	0.0	0.0	0.1	0.1
222	4/17/2019	10:18:56	0.1	0.1	0.1	0.1
223	4/17/2019	10:19:26	0.1	0.1	0.1	0.1
224	4/17/2019	10:19:56	0.1	0.1	0.1	0.1
225	4/17/2019	10:20:26	0.1	0.1	0.1	0.1
226	4/17/2019	10:20:56	0.1	0.1	0.1	0.1
227	4/17/2019	10:21:26	0.1	0.1	0.1	0.1
228	4/17/2019	10:21:56	0.1	0.1	0.1	0.1
229	4/17/2019	10:22:26	0.1	0.1	0.1	0.1
230	4/17/2019	10:22:56	0.1	0.1	0.1	0.1
231	4/17/2019	10:23:26	0.1	0.1	0.1	0.1
232	4/17/2019	10:23:56	0.1	0.1	0.1	0.1
233	4/17/2019	10:24:26	0.1	0.1	0.1	0.1
234	4/17/2019	10:24:56	0.1	0.1	0.1	0.1
235	4/17/2019	10:25:26	0.1	0.1	0.1	0.1
236	4/17/2019	10:25:56	0.1	0.1	0.1	0.1
237	4/17/2019	10:26:26	0.1	0.1	0.1	0.1
238	4/17/2019	10:26:56	0.1	0.1	0.1	0.1
239	4/17/2019	10:27:26	0.1	0.1	0.1	0.1
240	4/17/2019	10:27:56	0.1	0.1	0.1	0.1
241	4/17/2019	10:28:26	0.1	0.1	0.1	0.1
242	4/17/2019	10:28:56	0.1	0.1	0.1	0.1
243	4/17/2019	10:29:26	0.1	0.1	0.1	0.1
244	4/17/2019	10:29:56	0.1	0.1	0.1	0.1
245	4/17/2019	10:30:26	0.1	0.1	0.1	0.1
246	4/17/2019	10:30:56	0.1	0.1	0.1	0.1
247	4/17/2019	10:31:26	0.1	0.1	0.1	0.1
248	4/17/2019	10:31:56	0.1	0.1	0.1	0.1
249	4/17/2019	10:32:26	0.1	0.1	0.1	0.1
250	4/17/2019	10:32:56	0.1	0.1	0.1	0.1
251	4/17/2019	10:33:26	0.1	0.1	0.1	0.1
252	4/17/2019	10:33:56	0.1	0.1	0.1	0.1
253	4/17/2019	10:34:26	0.1	0.1	0.1	0.1
254	4/17/2019	10:34:56	0.1	0.1	0.1	0.1
255	4/17/2019	10:35:26	0.1	0.1	0.1	0.1
256	4/17/2019	10:35:56	0.1	0.1	0.1	0.1
257	4/17/2019	10:36:26	0.1	0.1	0.1	0.1
258	4/17/2019	10:36:56	0.1	0.1	0.1	0.1
259	4/17/2019	10:37:26	0.1	0.1	0.1	0.1
260	4/17/2019	10:37:56	0.1	0.1	0.1	0.1
261	4/17/2019	10:38:26	0.1	0.1	0.1	0.1
262	4/17/2019	10:38:56	0.1	0.1	0.1	0.1
263	4/17/2019	10:39:26	0.1	0.1	0.1	0.1
264	4/17/2019	10:39:56	0.1	0.1	0.1	0.1
265	4/17/2019	10:40:26	0.1	0.1	0.1	0.1
266	4/17/2019	10:40:56	0.1	0.1	0.1	0.1
267	4/17/2019	10:41:26	0.1	0.1	0.1	0.1
268	4/17/2019	10:41:56	0.1	0.1	0.1	0.1

269	4/17/2019	10:42:26	0.1	0.1	0.1	0.1
270	4/17/2019	10:42:56	0.1	0.1	0.1	0.1
271	4/17/2019	10:43:26	0.1	0.1	0.1	0.1
272	4/17/2019	10:43:56	0.1	0.1	0.1	0.1
273	4/17/2019	10:44:26	0.1	0.1	0.1	0.1
274	4/17/2019	10:44:56	0.1	0.1	0.1	0.1
275	4/17/2019	10:45:26	0.1	0.1	0.1	0.1
276	4/17/2019	10:45:56	0.1	0.1	0.1	0.1
277	4/17/2019	10:46:26	0.1	0.1	0.1	0.1
278	4/17/2019	10:46:56	0.1	0.1	0.1	0.1
279	4/17/2019	10:47:26	0.1	0.1	0.1	0.1
280	4/17/2019	10:47:56	0.1	0.1	0.1	0.1
281	4/17/2019	10:48:26	0.1	0.1	0.1	0.1
282	4/17/2019	10:48:56	0.1	0.1	0.1	0.1
283	4/17/2019	10:49:26	0.1	0.1	0.1	0.1
284	4/17/2019	10:49:56	0.1	0.1	0.1	0.1
285	4/17/2019	10:50:26	0.1	0.1	0.1	0.1
286	4/17/2019	10:50:56	0.1	0.1	0.1	0.1
287	4/17/2019	10:51:26	0.1	0.1	0.1	0.1
288	4/17/2019	10:51:56	0.1	0.1	0.1	0.1
289	4/17/2019	10:52:26	0.1	0.1	0.1	0.1
290	4/17/2019	10:52:56	0.1	0.1	0.1	0.1
291	4/17/2019	10:53:26	0.1	0.1	0.1	0.1
292	4/17/2019	10:53:56	0.1	0.1	0.1	0.1
293	4/17/2019	10:54:26	0.1	0.1	0.1	0.1
294	4/17/2019	10:54:56	0.1	0.1	0.1	0.1
295	4/17/2019	10:55:26	0.1	0.1	0.2	0.1
296	4/17/2019	10:55:56	0.1	0.1	0.1	0.1
297	4/17/2019	10:56:26	0.1	0.1	0.1	0.1
298	4/17/2019	10:56:56	0.1	0.1	0.1	0.1
299	4/17/2019	10:57:26	0.1	0.1	0.1	0.1
300	4/17/2019	10:57:56	0.1	0.1	0.1	0.1
301	4/17/2019	10:58:26	0.1	0.1	0.1	0.1
302	4/17/2019	10:58:56	0.1	0.1	0.1	0.1
303	4/17/2019	10:59:26	0.1	0.1	0.1	0.1
304	4/17/2019	10:59:56	0.1	0.1	0.1	0.1
305	4/17/2019	11:00:26	0.1	0.1	0.1	0.1
306	4/17/2019	11:00:56	0.1	0.1	0.1	0.1
307	4/17/2019	11:01:26	0.1	0.1	0.1	0.1
308	4/17/2019	11:01:56	0.1	0.1	0.1	0.1
309	4/17/2019	11:02:26	0.1	0.1	0.1	0.1
310	4/17/2019	11:02:56	0.1	0.1	0.1	0.1
311	4/17/2019	11:03:26	0.1	0.1	0.1	0.1
312	4/17/2019	11:03:56	0.1	0.1	0.1	0.1
313	4/17/2019	11:04:26	0.1	0.1	0.1	0.1
314	4/17/2019	11:04:56	0.1	0.1	0.1	0.1
315	4/17/2019	11:05:26	0.1	0.1	0.1	0.1
316	4/17/2019	11:05:56	0.1	0.1	0.1	0.1
317	4/17/2019	11:06:26	0.1	0.1	0.1	0.1
318	4/17/2019	11:06:56	0.1	0.1	0.1	0.1

319	4/17/2019	11:07:26	0.1	0.1	0.1	0.1
320	4/17/2019	11:07:56	0.1	0.1	0.1	0.1
321	4/17/2019	11:08:26	0.1	0.1	0.1	0.1
322	4/17/2019	11:08:56	0.1	0.1	0.1	0.1
323	4/17/2019	11:09:26	0.1	0.1	0.1	0.1
324	4/17/2019	11:09:56	0.1	0.1	0.1	0.1
325	4/17/2019	11:10:26	0.1	0.1	0.1	0.1
326	4/17/2019	11:10:56	0.1	0.1	0.1	0.1
327	4/17/2019	11:11:26	0.1	0.1	0.1	0.1
328	4/17/2019	11:11:56	0.1	0.1	0.1	0.1
329	4/17/2019	11:12:26	0.1	0.1	0.1	0.1
330	4/17/2019	11:12:56	0.1	0.1	0.1	0.1
331	4/17/2019	11:13:26	0.1	0.1	0.1	0.1
332	4/17/2019	11:13:56	0.1	0.1	0.1	0.1
333	4/17/2019	11:14:26	0.1	0.1	0.1	0.1
334	4/17/2019	11:14:56	0.1	0.1	0.1	0.1
335	4/17/2019	11:15:26	0.1	0.1	0.1	0.1
336	4/17/2019	11:15:56	0.1	0.1	0.1	0.1
337	4/17/2019	11:16:26	0.1	0.1	0.1	0.1
338	4/17/2019	11:16:56	0.1	0.1	0.1	0.1
339	4/17/2019	11:17:26	0.1	0.1	0.1	0.1
340	4/17/2019	11:17:56	0.1	0.1	0.1	0.1
341	4/17/2019	11:18:26	0.1	0.1	0.1	0.1
342	4/17/2019	11:18:56	0.1	0.1	0.1	0.1
343	4/17/2019	11:19:26	0.1	0.1	0.1	0.1
344	4/17/2019	11:19:56	0.1	0.1	0.1	0.1
345	4/17/2019	11:20:26	0.1	0.1	0.1	0.1
346	4/17/2019	11:20:56	0.1	0.1	0.1	0.1
347	4/17/2019	11:21:26	0.1	0.1	0.1	0.1
348	4/17/2019	11:21:56	0.1	0.1	0.1	0.1
349	4/17/2019	11:22:26	0.1	0.1	0.1	0.1
350	4/17/2019	11:22:56	0.1	0.1	0.1	0.1
351	4/17/2019	11:23:26	0.1	0.1	0.1	0.1
352	4/17/2019	11:23:56	0.1	0.1	0.1	0.1
353	4/17/2019	11:24:26	0.1	0.1	0.1	0.1
354	4/17/2019	11:24:56	0.1	0.1	0.1	0.1
355	4/17/2019	11:25:26	0.1	0.1	0.1	0.1
356	4/17/2019	11:25:56	0.1	0.1	0.1	0.1
357	4/17/2019	11:26:26	0.1	0.1	0.1	0.1
358	4/17/2019	11:26:56	0.1	0.1	0.1	0.1
359	4/17/2019	11:27:26	0.1	0.1	0.1	0.1
360	4/17/2019	11:27:56	0.1	0.1	0.1	0.1
361	4/17/2019	11:28:26	0.1	0.1	0.1	0.1
362	4/17/2019	11:28:56	0.1	0.1	0.1	0.1
363	4/17/2019	11:29:26	0.1	0.1	0.2	0.1
364	4/17/2019	11:29:56	0.1	0.1	0.1	0.1
365	4/17/2019	11:30:26	0.1	0.1	0.1	0.1
366	4/17/2019	11:30:56	0.1	0.1	0.1	0.1
367	4/17/2019	11:31:26	0.1	0.1	0.1	0.1
368	4/17/2019	11:31:56	0.1	0.1	0.1	0.1

369	4/17/2019	11:32:26	0.1	0.1	0.1	0.1
370	4/17/2019	11:32:56	0.1	0.1	0.1	0.1
371	4/17/2019	11:33:26	0.1	0.1	0.1	0.1
372	4/17/2019	11:33:56	0.1	0.1	0.1	0.1
373	4/17/2019	11:34:26	0.1	0.1	0.1	0.1
374	4/17/2019	11:34:56	0.1	0.1	0.1	0.1
375	4/17/2019	11:35:26	0.1	0.1	0.1	0.1
376	4/17/2019	11:35:56	0.1	0.1	0.1	0.1
377	4/17/2019	11:36:26	0.1	0.1	0.1	0.1
378	4/17/2019	11:36:56	0.1	0.1	0.2	0.1
379	4/17/2019	11:37:26	0.1	0.1	0.1	0.1
380	4/17/2019	11:37:56	0.1	0.1	0.1	0.1
381	4/17/2019	11:38:26	0.1	0.1	0.1	0.1
382	4/17/2019	11:38:56	0.1	0.1	0.1	0.1
383	4/17/2019	11:39:26	0.1	0.1	0.1	0.1
384	4/17/2019	11:39:56	0.1	0.1	0.1	0.1
385	4/17/2019	11:40:26	0.1	0.1	0.1	0.1
386	4/17/2019	11:40:56	0.1	0.1	0.1	0.1
387	4/17/2019	11:41:26	0.1	0.1	0.1	0.1
388	4/17/2019	11:41:56	0.1	0.1	0.1	0.1
389	4/17/2019	11:42:26	0.1	0.1	0.1	0.1
390	4/17/2019	11:42:56	0.1	0.1	0.1	0.1
391	4/17/2019	11:43:26	0.1	0.1	0.1	0.1
392	4/17/2019	11:43:56	0.1	0.1	0.1	0.1
393	4/17/2019	11:44:26	0.1	0.1	0.1	0.1
394	4/17/2019	11:44:56	0.1	0.1	0.1	0.1
395	4/17/2019	11:45:26	0.1	0.1	0.1	0.1
396	4/17/2019	11:45:56	0.1	0.1	0.1	0.1
397	4/17/2019	11:46:26	0.1	0.1	0.1	0.1
398	4/17/2019	11:46:56	0.1	0.1	0.1	0.1
399	4/17/2019	11:47:26	0.1	0.1	0.1	0.1
400	4/17/2019	11:47:56	0.1	0.1	0.1	0.1
401	4/17/2019	11:48:26	0.1	0.1	0.1	0.1
402	4/17/2019	11:48:56	0.1	0.1	0.1	0.1
403	4/17/2019	11:49:26	0.1	0.1	0.1	0.1
404	4/17/2019	11:49:56	0.1	0.1	0.1	0.1
405	4/17/2019	11:50:26	0.1	0.1	0.1	0.1
406	4/17/2019	11:50:56	0.1	0.1	0.1	0.1
407	4/17/2019	11:51:26	0.1	0.1	0.1	0.1
408	4/17/2019	11:51:56	0.1	0.1	0.1	0.1
409	4/17/2019	11:52:26	0.1	0.1	0.1	0.1
410	4/17/2019	11:52:56	0.1	0.1	0.1	0.1
411	4/17/2019	11:53:26	0.1	0.1	0.1	0.1
412	4/17/2019	11:53:56	0.1	0.1	0.1	0.1
413	4/17/2019	11:54:26	0.1	0.1	0.1	0.1
414	4/17/2019	11:54:56	0.1	0.1	0.1	0.1
415	4/17/2019	11:55:26	0.1	0.1	0.1	0.1
416	4/17/2019	11:55:56	0.1	0.1	0.1	0.1
417	4/17/2019	11:56:26	0.1	0.1	0.1	0.1
418	4/17/2019	11:56:56	0.1	0.1	0.3	0.3

419	4/17/2019	11:57:26	0.1	0.1	0.2	0.1
420	4/17/2019	11:57:56	0.1	0.1	0.1	0.1
421	4/17/2019	11:58:26	0.1	0.1	0.1	0.1
422	4/17/2019	11:58:56	0.1	0.1	0.1	0.1
423	4/17/2019	11:59:26	0.1	0.1	0.1	0.1
424	4/17/2019	11:59:56	0.1	0.1	0.1	0.1
425	4/17/2019	12:00:26	0.1	0.1	0.1	0.1
426	4/17/2019	12:00:56	0.1	0.1	0.1	0.1
427	4/17/2019	12:01:26	0.1	0.1	0.1	0.1
428	4/17/2019	12:01:56	0.1	0.1	0.1	0.1
429	4/17/2019	12:02:26	0.1	0.1	0.1	0.1
430	4/17/2019	12:02:56	0.1	0.1	0.1	0.1
431	4/17/2019	12:03:26	0.1	0.1	0.2	0.1
432	4/17/2019	12:03:56	0.1	0.1	0.1	0.1
433	4/17/2019	12:04:26	0.1	0.1	0.1	0.1
434	4/17/2019	12:04:56	0.1	0.1	0.1	0.1
435	4/17/2019	12:05:26	0.1	0.1	0.1	0.1
436	4/17/2019	12:05:56	0.1	0.1	0.1	0.1
437	4/17/2019	12:06:26	0.1	0.1	0.1	0.1
438	4/17/2019	12:06:56	0.1	0.1	0.1	0.1
439	4/17/2019	12:07:26	0.1	0.1	0.1	0.1
440	4/17/2019	12:07:56	0.1	0.1	0.1	0.1
441	4/17/2019	12:08:26	0.1	0.1	0.1	0.1
442	4/17/2019	12:08:56	0.1	0.1	0.1	0.1
443	4/17/2019	12:09:26	0.1	0.1	0.1	0.1
444	4/17/2019	12:09:56	0.1	0.1	0.1	0.1
445	4/17/2019	12:10:26	0.1	0.1	0.1	0.1
446	4/17/2019	12:10:56	0.1	0.1	0.1	0.1
447	4/17/2019	12:11:26	0.1	0.1	0.1	0.1
448	4/17/2019	12:11:56	0.1	0.1	0.1	0.1
449	4/17/2019	12:12:26	0.1	0.1	0.1	0.1
450	4/17/2019	12:12:56	0.1	0.1	0.1	0.1
451	4/17/2019	12:13:26	0.1	0.1	0.1	0.1
452	4/17/2019	12:13:56	0.1	0.1	0.1	0.1
453	4/17/2019	12:14:26	0.1	0.1	0.1	0.1
454	4/17/2019	12:14:56	0.1	0.1	0.1	0.1
455	4/17/2019	12:15:26	0.1	0.1	0.1	0.1
456	4/17/2019	12:15:56	0.1	0.1	0.2	0.1
457	4/17/2019	12:16:26	0.1	0.1	0.1	0.1
458	4/17/2019	12:16:56	0.1	0.1	0.1	0.1
459	4/17/2019	12:17:26	0.1	0.1	0.1	0.1
460	4/17/2019	12:17:56	0.1	0.1	0.1	0.1
461	4/17/2019	12:18:26	0.1	0.1	0.1	0.1
462	4/17/2019	12:18:56	0.1	0.1	0.1	0.1
463	4/17/2019	12:19:26	0.1	0.1	0.1	0.1
464	4/17/2019	12:19:56	0.1	0.1	0.1	0.1
465	4/17/2019	12:20:26	0.1	0.1	0.1	0.1
466	4/17/2019	12:20:56	0.1	0.1	0.1	0.1
467	4/17/2019	12:21:26	0.1	0.1	0.1	0.1
468	4/17/2019	12:21:56	0.1	0.1	0.1	0.1

469	4/17/2019 12:22:26	0.1	0.1	0.1	0.1
470	4/17/2019 12:22:56	0.1	0.1	0.1	0.1
471	4/17/2019 12:23:26	0.1	0.1	0.1	0.1
472	4/17/2019 12:23:56	0.1	0.1	0.1	0.1
473	4/17/2019 12:24:26	0.1	0.1	0.1	0.1
474	4/17/2019 12:24:56	0.1	0.1	0.1	0.1
475	4/17/2019 12:25:26	0.1	0.1	0.1	0.1
476	4/17/2019 12:25:56	0.1	0.1	0.1	0.1
477	4/17/2019 12:26:26	0.1	0.1	0.1	0.1
478	4/17/2019 12:26:56	0.1	0.1	0.1	0.1
479	4/17/2019 12:27:26	0.1	0.1	0.1	0.1
480	4/17/2019 12:27:56	0.1	0.1	0.1	0.1
481	4/17/2019 12:28:26	0.1	0.1	0.1	0.1
482	4/17/2019 12:28:56	0.1	0.1	0.1	0.1
483	4/17/2019 12:29:26	0.1	0.1	0.1	0.1
484	4/17/2019 12:29:56	0.1	0.1	0.1	0.1
485	4/17/2019 12:30:26	0.1	0.1	0.1	0.1
486	4/17/2019 12:30:56	0.1	0.1	0.1	0.1
487	4/17/2019 12:31:26	0.1	0.1	0.1	0.1
488	4/17/2019 12:31:56	0.1	0.1	0.1	0.1
489	4/17/2019 12:32:26	0.1	0.1	0.1	0.1
490	4/17/2019 12:32:56	0.1	0.1	0.1	0.1
491	4/17/2019 12:33:26	0.1	0.1	0.1	0.1
492	4/17/2019 12:33:56	0.1	0.1	0.1	0.1
493	4/17/2019 12:34:26	0.1	0.1	0.1	0.1
494	4/17/2019 12:34:56	0.1	0.1	0.1	0.1
495	4/17/2019 12:35:26	0.1	0.1	0.1	0.1
496	4/17/2019 12:35:56	0.1	0.1	0.1	0.1
497	4/17/2019 12:36:26	0.1	0.1	0.1	0.1
498	4/17/2019 12:36:56	0.1	0.1	0.1	0.1
499	4/17/2019 12:37:26	0.1	0.1	0.1	0.1
500	4/17/2019 12:37:56	0.1	0.1	0.1	0.1
501	4/17/2019 12:38:26	0.1	0.1	0.1	0.1
502	4/17/2019 12:38:56	0.1	0.1	0.1	0.1
503	4/17/2019 12:39:26	0.1	0.1	0.1	0.1
504	4/17/2019 12:39:56	0.1	0.1	0.1	0.1
505	4/17/2019 12:40:26	0.1	0.1	0.1	0.1
506	4/17/2019 12:40:56	0.1	0.1	0.1	0.1
507	4/17/2019 12:41:26	0.1	0.1	0.1	0.1
508	4/17/2019 12:41:56	0.1	0.1	0.1	0.1
509	4/17/2019 12:42:26	0.1	0.1	0.1	0.1
510	4/17/2019 12:42:56	0.1	0.1	0.1	0.1
511	4/17/2019 12:43:26	0.1	0.1	0.1	0.1
512	4/17/2019 12:43:56	0.1	0.1	0.1	0.1
513	4/17/2019 12:44:26	0.1	0.1	0.1	0.1
514	4/17/2019 12:44:56	0.1	0.1	0.1	0.1
515	4/17/2019 12:45:26	0.1	0.1	0.1	0.1
516	4/17/2019 12:45:56	0.1	0.1	0.1	0.1
517	4/17/2019 12:46:26	0.1	0.1	0.1	0.1
518	4/17/2019 12:46:56	0.1	0.1	0.1	0.1

519	4/17/2019	12:47:26	0.1	0.1	0.1	0.1
520	4/17/2019	12:47:56	0.1	0.1	0.1	0.1
521	4/17/2019	12:48:26	0.1	0.1	0.1	0.1
522	4/17/2019	12:48:56	0.1	0.1	0.1	0.1
523	4/17/2019	12:49:26	0.1	0.1	0.1	0.1
524	4/17/2019	12:49:56	0.1	0.1	0.1	0.1
525	4/17/2019	12:50:26	0.1	0.1	0.1	0.1
526	4/17/2019	12:50:56	0.1	0.1	0.1	0.1
527	4/17/2019	12:51:26	0.1	0.1	0.1	0.1
528	4/17/2019	12:51:56	0.1	0.1	0.1	0.1
529	4/17/2019	12:52:26	0.1	0.1	0.1	0.1
530	4/17/2019	12:52:56	0.1	0.1	0.1	0.1
531	4/17/2019	12:53:26	0.1	0.1	0.1	0.1
532	4/17/2019	12:53:56	0.1	0.1	0.1	0.1
533	4/17/2019	12:54:26	0.1	0.1	0.1	0.1
534	4/17/2019	12:54:56	0.1	0.1	0.1	0.1
535	4/17/2019	12:55:26	0.1	0.1	0.1	0.1
536	4/17/2019	12:55:56	0.1	0.1	0.1	0.1
537	4/17/2019	12:56:26	0.1	0.1	0.1	0.1
538	4/17/2019	12:56:56	0.1	0.1	0.1	0.1
539	4/17/2019	12:57:26	0.1	0.1	0.1	0.1
540	4/17/2019	12:57:56	0.1	0.1	0.1	0.1
541	4/17/2019	12:58:26	0.1	0.1	0.1	0.1
542	4/17/2019	12:58:56	0.1	0.1	0.1	0.1
543	4/17/2019	12:59:26	0.1	0.1	0.1	0.1
544	4/17/2019	12:59:56	0.1	0.1	0.1	0.1
545	4/17/2019	13:00:26	0.1	0.1	0.1	0.1
546	4/17/2019	13:00:56	0.1	0.1	0.1	0.1
547	4/17/2019	13:01:26	0.1	0.1	0.1	0.1
548	4/17/2019	13:01:56	0.1	0.1	0.1	0.1
549	4/17/2019	13:02:26	0.1	0.1	0.1	0.1
550	4/17/2019	13:02:56	0.1	0.1	0.1	0.1
551	4/17/2019	13:03:26	0.1	0.1	0.1	0.1
552	4/17/2019	13:03:56	0.1	0.1	0.1	0.1
553	4/17/2019	13:04:26	0.1	0.1	0.1	0.1
554	4/17/2019	13:04:56	0.1	0.1	0.1	0.1
555	4/17/2019	13:05:26	0.1	0.1	0.1	0.1
556	4/17/2019	13:05:56	0.1	0.1	0.1	0.1
557	4/17/2019	13:06:26	0.1	0.1	0.1	0.1
558	4/17/2019	13:06:56	0.1	0.1	0.1	0.1
559	4/17/2019	13:07:26	0.1	0.1	0.1	0.1
560	4/17/2019	13:07:56	0.1	0.1	0.2	0.1
561	4/17/2019	13:08:26	0.1	0.1	0.1	0.1
562	4/17/2019	13:08:56	0.1	0.1	0.1	0.1
563	4/17/2019	13:09:26	0.1	0.1	0.1	0.1
564	4/17/2019	13:09:56	0.1	0.1	0.1	0.1
565	4/17/2019	13:10:26	0.1	0.1	0.1	0.1
566	4/17/2019	13:10:56	0.1	0.1	0.1	0.1
567	4/17/2019	13:11:26	0.1	0.1	0.1	0.1
568	4/17/2019	13:11:56	0.1	0.1	0.1	0.1

569	4/17/2019 13:12:26	0.1	0.1	0.1	0.1
570	4/17/2019 13:12:56	0.1	0.1	0.2	0.2
571	4/17/2019 13:13:26	0.1	0.2	0.2	0.1
572	4/17/2019 13:13:56	0.1	0.1	0.1	0.1
573	4/17/2019 13:14:26	0.1	0.1	0.1	0.1
574	4/17/2019 13:14:56	0.1	0.1	0.1	0.1
575	4/17/2019 13:15:26	0.1	0.1	0.1	0.1
576	4/17/2019 13:15:56	0.1	0.1	0.1	0.1
577	4/17/2019 13:16:26	0.1	0.1	0.1	0.1
578	4/17/2019 13:16:56	0.1	0.1	0.1	0.1
579	4/17/2019 13:17:26	0.1	0.1	0.1	0.1
580	4/17/2019 13:17:56	0.1	0.1	0.1	0.1
581	4/17/2019 13:18:26	0.1	0.1	0.1	0.1
582	4/17/2019 13:18:56	0.1	0.1	0.1	0.1
583	4/17/2019 13:19:26	0.1	0.1	0.1	0.1
584	4/17/2019 13:19:56	0.1	0.1	0.2	0.1
585	4/17/2019 13:20:26	0.1	0.1	0.1	0.1
586	4/17/2019 13:20:56	0.1	0.1	0.1	0.1
587	4/17/2019 13:21:26	0.1	0.1	0.2	0.1
588	4/17/2019 13:21:56	0.1	0.1	0.2	0.1
589	4/17/2019 13:22:26	0.1	0.1	0.2	0.1
590	4/17/2019 13:22:56	0.1	0.1	0.1	0.1
591	4/17/2019 13:23:26	0.1	0.1	0.1	0.1
592	4/17/2019 13:23:56	0.1	0.1	0.2	0.1
593	4/17/2019 13:24:26	0.1	0.1	0.1	0.1
594	4/17/2019 13:24:56	0.1	0.1	0.1	0.1
595	4/17/2019 13:25:26	0.1	0.1	0.1	0.1
596	4/17/2019 13:25:56	0.1	0.1	0.2	0.2
597	4/17/2019 13:26:26	0.1	0.2	0.2	0.2
598	4/17/2019 13:26:56	0.1	0.2	0.2	0.2
599	4/17/2019 13:27:26	0.1	0.2	0.2	0.2
600	4/17/2019 13:27:56	0.1	0.1	0.2	0.1
601	4/17/2019 13:28:26	0.1	0.1	0.2	0.1
602	4/17/2019 13:28:56	0.1	0.1	0.1	0.1
603	4/17/2019 13:29:26	0.1	0.1	0.1	0.1
604	4/17/2019 13:29:56	0.1	0.1	0.1	0.1
605	4/17/2019 13:30:26	0.1	0.1	0.1	0.1
606	4/17/2019 13:30:56	0.1	0.1	0.1	0.1
607	4/17/2019 13:31:26	0.1	0.1	0.1	0.1
608	4/17/2019 13:31:56	0.1	0.1	0.1	0.1
609	4/17/2019 13:32:26	0.1	0.1	0.1	0.1
610	4/17/2019 13:32:56	0.1	0.1	0.1	0.1
611	4/17/2019 13:33:26	0.1	0.1	0.1	0.1
612	4/17/2019 13:33:56	0.1	0.1	0.1	0.1
613	4/17/2019 13:34:26	0.1	0.1	0.1	0.1
614	4/17/2019 13:34:56	0.1	0.1	0.1	0.1
615	4/17/2019 13:35:26	0.1	0.1	0.1	0.1
616	4/17/2019 13:35:56	0.1	0.1	0.1	0.1
617	4/17/2019 13:36:26	0.1	0.1	0.1	0.1
618	4/17/2019 13:36:56	0.1	0.1	0.1	0.1

619	4/17/2019	13:37:26	0.1	0.1	0.1	0.1
620	4/17/2019	13:37:56	0.1	0.1	0.1	0.1
621	4/17/2019	13:38:26	0.1	0.1	0.1	0.1
622	4/17/2019	13:38:56	0.1	0.1	0.1	0.1
623	4/17/2019	13:39:26	0.1	0.1	0.1	0.1
624	4/17/2019	13:39:56	0.1	0.1	0.1	0.1
625	4/17/2019	13:40:26	0.1	0.1	0.1	0.1
626	4/17/2019	13:40:56	0.1	0.1	0.1	0.1
627	4/17/2019	13:41:26	0.1	0.1	0.1	0.1
628	4/17/2019	13:41:56	0.1	0.1	0.1	0.1
629	4/17/2019	13:42:26	0.1	0.1	0.1	0.1
630	4/17/2019	13:42:56	0.1	0.1	0.1	0.1
631	4/17/2019	13:43:26	0.1	0.1	0.1	0.1
632	4/17/2019	13:43:56	0.1	0.1	0.1	0.1
633	4/17/2019	13:44:26	0.1	0.1	0.1	0.1
634	4/17/2019	13:44:56	0.1	0.1	0.1	0.1
635	4/17/2019	13:45:26	0.1	0.1	0.1	0.1
636	4/17/2019	13:45:56	0.1	0.1	0.1	0.1
637	4/17/2019	13:46:26	0.1	0.1	0.1	0.1
638	4/17/2019	13:46:56	0.1	0.1	0.1	0.1
639	4/17/2019	13:47:26	0.1	0.1	0.1	0.1
640	4/17/2019	13:47:56	0.1	0.1	0.1	0.1
641	4/17/2019	13:48:26	0.1	0.1	0.1	0.1
642	4/17/2019	13:48:56	0.1	0.1	0.1	0.1
643	4/17/2019	13:49:26	0.1	0.1	0.1	0.1
644	4/17/2019	13:49:56	0.1	0.1	0.1	0.1
645	4/17/2019	13:50:26	0.1	0.1	0.1	0.1
646	4/17/2019	13:50:56	0.1	0.1	0.1	0.1
647	4/17/2019	13:51:26	0.1	0.1	0.1	0.1
648	4/17/2019	13:51:56	0.1	0.1	0.1	0.1
649	4/17/2019	13:52:26	0.1	0.1	0.1	0.1
650	4/17/2019	13:52:56	0.1	0.1	0.1	0.1
651	4/17/2019	13:53:26	0.1	0.1	0.1	0.1
652	4/17/2019	13:53:56	0.1	0.1	0.1	0.1
653	4/17/2019	13:54:26	0.1	0.1	0.1	0.1
654	4/17/2019	13:54:56	0.1	0.1	0.1	0.1
655	4/17/2019	13:55:26	0.1	0.1	0.1	0.1
656	4/17/2019	13:55:56	0.1	0.1	0.1	0.1
657	4/17/2019	13:56:26	0.1	0.1	0.1	0.1
658	4/17/2019	13:56:56	0.1	0.1	0.1	0.1
659	4/17/2019	13:57:26	0.1	0.1	0.1	0.1
660	4/17/2019	13:57:56	0.1	0.1	0.1	0.1
661	4/17/2019	13:58:26	0.1	0.1	0.1	0.1
662	4/17/2019	13:58:56	0.1	0.1	0.1	0.1
663	4/17/2019	13:59:26	0.1	0.1	0.1	0.1
664	4/17/2019	13:59:56	0.1	0.1	0.1	0.1
665	4/17/2019	14:00:26	0.1	0.1	0.1	0.1
666	4/17/2019	14:00:56	0.1	0.1	0.1	0.1
667	4/17/2019	14:01:26	0.1	0.1	0.1	0.1
668	4/17/2019	14:01:56	0.1	0.1	0.1	0.1

669	4/17/2019 14:02:26	0.1	0.1	0.1	0.1
670	4/17/2019 14:02:56	0.1	0.1	0.1	0.1
671	4/17/2019 14:03:26	0.1	0.1	0.1	0.1
672	4/17/2019 14:03:56	0.1	0.1	0.1	0.1
673	4/17/2019 14:04:26	0.1	0.1	0.1	0.1
674	4/17/2019 14:04:56	0.1	0.1	0.1	0.1
675	4/17/2019 14:05:26	0.1	0.1	0.1	0.1
676	4/17/2019 14:05:56	0.1	0.1	0.1	0.1
677	4/17/2019 14:06:26	0.1	0.1	0.1	0.1
678	4/17/2019 14:06:56	0.1	0.1	0.1	0.1
679	4/17/2019 14:07:26	0.1	0.1	0.1	0.1
680	4/17/2019 14:07:56	0.1	0.1	0.1	0.1
681	4/17/2019 14:08:26	0.1	0.1	0.1	0.1
682	4/17/2019 14:08:56	0.1	0.1	0.1	0.1
683	4/17/2019 14:09:26	0.1	0.1	0.1	0.1
684	4/17/2019 14:09:56	0.1	0.1	0.1	0.1
685	4/17/2019 14:10:26	0.1	0.1	0.1	0.1
686	4/17/2019 14:10:56	0.1	0.1	0.1	0.1
687	4/17/2019 14:11:26	0.1	0.1	0.1	0.1
688	4/17/2019 14:11:56	0.1	0.1	0.1	0.1
689	4/17/2019 14:12:26	0.1	0.1	0.1	0.1
690	4/17/2019 14:12:56	0.1	0.1	0.1	0.1
691	4/17/2019 14:13:26	0.1	0.1	0.1	0.1
692	4/17/2019 14:13:56	0.1	0.1	0.1	0.1
693	4/17/2019 14:14:26	0.1	0.1	0.1	0.1
694	4/17/2019 14:14:56	0.0	0.0	0.1	0.0
695	4/17/2019 14:15:26	0.0	0.0	0.0	0.0
Peak	0.1	0.2	0.5	0.3	
Min	0.0	0.0	0.0	0.0	
Average	0.1	0.1	0.1	0.1	

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/17/2019 08:28:26	0.0	---
002	4/17/2019 08:28:56	0.0	---
003	4/17/2019 08:29:26	0.0	---
004	4/17/2019 08:29:56	0.0	---
005	4/17/2019 08:30:26	0.0	---
006	4/17/2019 08:30:56	0.0	---
007	4/17/2019 08:31:26	0.0	---
008	4/17/2019 08:31:56	0.0	---
009	4/17/2019 08:32:26	0.0	---
010	4/17/2019 08:32:56	0.0	---
011	4/17/2019 08:33:26	0.0	---
012	4/17/2019 08:33:56	0.0	---
013	4/17/2019 08:34:26	0.0	---
014	4/17/2019 08:34:56	0.0	---
015	4/17/2019 08:35:26	0.0	---

016	4/17/2019 08:35:56	0.0	---
017	4/17/2019 08:36:26	0.0	---
018	4/17/2019 08:36:56	0.0	---
019	4/17/2019 08:37:26	0.0	---
020	4/17/2019 08:37:56	0.0	---
021	4/17/2019 08:38:26	0.0	---
022	4/17/2019 08:38:56	0.0	---
023	4/17/2019 08:39:26	0.0	---
024	4/17/2019 08:39:56	0.0	---
025	4/17/2019 08:40:26	0.0	---
026	4/17/2019 08:40:56	0.0	---
027	4/17/2019 08:41:26	0.0	---
028	4/17/2019 08:41:56	0.0	---
029	4/17/2019 08:42:26	0.0	---
030	4/17/2019 08:42:56	0.0	0.0
031	4/17/2019 08:43:26	0.0	0.0
032	4/17/2019 08:43:56	0.0	0.0
033	4/17/2019 08:44:26	0.0	0.0
034	4/17/2019 08:44:56	0.0	0.0
035	4/17/2019 08:45:26	0.0	0.0
036	4/17/2019 08:45:56	0.0	0.0
037	4/17/2019 08:46:26	0.0	0.0
038	4/17/2019 08:46:56	0.0	0.0
039	4/17/2019 08:47:26	0.0	0.0
040	4/17/2019 08:47:56	0.0	0.0
041	4/17/2019 08:48:26	0.0	0.0
042	4/17/2019 08:48:56	0.0	0.0
043	4/17/2019 08:49:26	0.0	0.0
044	4/17/2019 08:49:56	0.0	0.0
045	4/17/2019 08:50:26	0.0	0.0
046	4/17/2019 08:50:56	0.0	0.0
047	4/17/2019 08:51:26	0.0	0.0
048	4/17/2019 08:51:56	0.0	0.0
049	4/17/2019 08:52:26	0.0	0.0
050	4/17/2019 08:52:56	0.0	0.0
051	4/17/2019 08:53:26	0.0	0.0
052	4/17/2019 08:53:56	0.0	0.0
053	4/17/2019 08:54:26	0.0	0.0
054	4/17/2019 08:54:56	0.0	0.0
055	4/17/2019 08:55:26	0.0	0.0
056	4/17/2019 08:55:56	0.0	0.0
057	4/17/2019 08:56:26	0.0	0.0
058	4/17/2019 08:56:56	0.0	0.0
059	4/17/2019 08:57:26	0.0	0.0
060	4/17/2019 08:57:56	0.0	0.0
061	4/17/2019 08:58:26	0.0	0.0
062	4/17/2019 08:58:56	0.0	0.0
063	4/17/2019 08:59:26	0.0	0.0
064	4/17/2019 08:59:56	0.0	0.0
065	4/17/2019 09:00:26	0.0	0.0

066	4/17/2019	09:00:56	0.0	0.0
067	4/17/2019	09:01:26	0.0	0.0
068	4/17/2019	09:01:56	0.0	0.0
069	4/17/2019	09:02:26	0.0	0.0
070	4/17/2019	09:02:56	0.0	0.0
071	4/17/2019	09:03:26	0.0	0.0
072	4/17/2019	09:03:56	0.0	0.0
073	4/17/2019	09:04:26	0.0	0.0
074	4/17/2019	09:04:56	0.0	0.0
075	4/17/2019	09:05:26	0.0	0.0
076	4/17/2019	09:05:56	0.0	0.0
077	4/17/2019	09:06:26	0.0	0.0
078	4/17/2019	09:06:56	0.0	0.0
079	4/17/2019	09:07:26	0.0	0.0
080	4/17/2019	09:07:56	0.0	0.0
081	4/17/2019	09:08:26	0.0	0.0
082	4/17/2019	09:08:56	0.0	0.0
083	4/17/2019	09:09:26	0.0	0.0
084	4/17/2019	09:09:56	0.0	0.0
085	4/17/2019	09:10:26	0.0	0.0
086	4/17/2019	09:10:56	0.0	0.0
087	4/17/2019	09:11:26	0.0	0.0
088	4/17/2019	09:11:56	0.0	0.0
089	4/17/2019	09:12:26	0.0	0.0
090	4/17/2019	09:12:56	0.0	0.0
091	4/17/2019	09:13:26	0.0	0.0
092	4/17/2019	09:13:56	0.0	0.0
093	4/17/2019	09:14:26	0.0	0.0
094	4/17/2019	09:14:56	0.0	0.0
095	4/17/2019	09:15:26	0.0	0.0
096	4/17/2019	09:15:56	0.0	0.0
097	4/17/2019	09:16:26	0.0	0.0
098	4/17/2019	09:16:56	0.0	0.0
099	4/17/2019	09:17:26	0.0	0.0
100	4/17/2019	09:17:56	0.0	0.0
101	4/17/2019	09:18:26	0.0	0.0
102	4/17/2019	09:18:56	0.0	0.0
103	4/17/2019	09:19:26	0.0	0.0
104	4/17/2019	09:19:56	0.0	0.0
105	4/17/2019	09:20:26	0.0	0.0
106	4/17/2019	09:20:56	0.0	0.0
107	4/17/2019	09:21:26	0.0	0.0
108	4/17/2019	09:21:56	0.0	0.0
109	4/17/2019	09:22:26	0.0	0.0
110	4/17/2019	09:22:56	0.0	0.0
111	4/17/2019	09:23:26	0.0	0.0
112	4/17/2019	09:23:56	0.0	0.0
113	4/17/2019	09:24:26	0.0	0.0
114	4/17/2019	09:24:56	0.0	0.0
115	4/17/2019	09:25:26	0.0	0.0

116	4/17/2019 09:25:56	0.0	0.0
117	4/17/2019 09:26:26	0.0	0.0
118	4/17/2019 09:26:56	0.0	0.0
119	4/17/2019 09:27:26	0.0	0.0
120	4/17/2019 09:27:56	0.0	0.0
121	4/17/2019 09:28:26	0.0	0.0
122	4/17/2019 09:28:56	0.0	0.0
123	4/17/2019 09:29:26	0.0	0.0
124	4/17/2019 09:29:56	0.0	0.0
125	4/17/2019 09:30:26	0.0	0.0
126	4/17/2019 09:30:56	0.0	0.0
127	4/17/2019 09:31:26	0.0	0.0
128	4/17/2019 09:31:56	0.0	0.0
129	4/17/2019 09:32:26	0.0	0.0
130	4/17/2019 09:32:56	0.0	0.0
131	4/17/2019 09:33:26	0.0	0.0
132	4/17/2019 09:33:56	0.0	0.0
133	4/17/2019 09:34:26	0.0	0.0
134	4/17/2019 09:34:56	0.0	0.0
135	4/17/2019 09:35:26	0.0	0.0
136	4/17/2019 09:35:56	0.0	0.0
137	4/17/2019 09:36:26	0.0	0.0
138	4/17/2019 09:36:56	0.0	0.0
139	4/17/2019 09:37:26	0.0	0.0
140	4/17/2019 09:37:56	0.0	0.0
141	4/17/2019 09:38:26	0.0	0.0
142	4/17/2019 09:38:56	0.0	0.0
143	4/17/2019 09:39:26	0.0	0.0
144	4/17/2019 09:39:56	0.0	0.0
145	4/17/2019 09:40:26	0.0	0.0
146	4/17/2019 09:40:56	0.0	0.0
147	4/17/2019 09:41:26	0.0	0.0
148	4/17/2019 09:41:56	0.0	0.0
149	4/17/2019 09:42:26	0.0	0.0
150	4/17/2019 09:42:56	0.0	0.0
151	4/17/2019 09:43:26	0.0	0.0
152	4/17/2019 09:43:56	0.0	0.0
153	4/17/2019 09:44:26	0.0	0.0
154	4/17/2019 09:44:56	0.0	0.0
155	4/17/2019 09:45:26	0.0	0.0
156	4/17/2019 09:45:56	0.0	0.0
157	4/17/2019 09:46:26	0.0	0.0
158	4/17/2019 09:46:56	0.0	0.0
159	4/17/2019 09:47:26	0.0	0.0
160	4/17/2019 09:47:56	0.0	0.0
161	4/17/2019 09:48:26	0.0	0.0
162	4/17/2019 09:48:56	0.0	0.0
163	4/17/2019 09:49:26	0.0	0.0
164	4/17/2019 09:49:56	0.0	0.0
165	4/17/2019 09:50:26	0.0	0.0

166	4/17/2019	09:50:56	0.0	0.0
167	4/17/2019	09:51:26	0.0	0.0
168	4/17/2019	09:51:56	0.0	0.0
169	4/17/2019	09:52:26	0.0	0.0
170	4/17/2019	09:52:56	0.0	0.0
171	4/17/2019	09:53:26	0.0	0.0
172	4/17/2019	09:53:56	0.0	0.0
173	4/17/2019	09:54:26	0.0	0.0
174	4/17/2019	09:54:56	0.0	0.0
175	4/17/2019	09:55:26	0.0	0.0
176	4/17/2019	09:55:56	0.0	0.0
177	4/17/2019	09:56:26	0.0	0.0
178	4/17/2019	09:56:56	0.0	0.0
179	4/17/2019	09:57:26	0.0	0.0
180	4/17/2019	09:57:56	0.0	0.0
181	4/17/2019	09:58:26	0.0	0.0
182	4/17/2019	09:58:56	0.0	0.0
183	4/17/2019	09:59:26	0.0	0.0
184	4/17/2019	09:59:56	0.0	0.0
185	4/17/2019	10:00:26	0.0	0.0
186	4/17/2019	10:00:56	0.0	0.0
187	4/17/2019	10:01:26	0.0	0.0
188	4/17/2019	10:01:56	0.0	0.0
189	4/17/2019	10:02:26	0.0	0.0
190	4/17/2019	10:02:56	0.0	0.0
191	4/17/2019	10:03:26	0.0	0.0
192	4/17/2019	10:03:56	0.0	0.0
193	4/17/2019	10:04:26	0.0	0.0
194	4/17/2019	10:04:56	0.0	0.0
195	4/17/2019	10:05:26	0.0	0.0
196	4/17/2019	10:05:56	0.0	0.0
197	4/17/2019	10:06:26	0.0	0.0
198	4/17/2019	10:06:56	0.0	0.0
199	4/17/2019	10:07:26	0.0	0.0
200	4/17/2019	10:07:56	0.0	0.0
201	4/17/2019	10:08:26	0.0	0.0
202	4/17/2019	10:08:56	0.0	0.0
203	4/17/2019	10:09:26	0.0	0.0
204	4/17/2019	10:09:56	0.0	0.0
205	4/17/2019	10:10:26	0.0	0.0
206	4/17/2019	10:10:56	0.0	0.0
207	4/17/2019	10:11:26	0.0	0.0
208	4/17/2019	10:11:56	0.0	0.0
209	4/17/2019	10:12:26	0.0	0.0
210	4/17/2019	10:12:56	0.0	0.0
211	4/17/2019	10:13:26	0.0	0.0
212	4/17/2019	10:13:56	0.0	0.0
213	4/17/2019	10:14:26	0.0	0.0
214	4/17/2019	10:14:56	0.0	0.0
215	4/17/2019	10:15:26	0.0	0.0

216	4/17/2019 10:15:56	0.0	0.0
217	4/17/2019 10:16:26	0.0	0.0
218	4/17/2019 10:16:56	0.0	0.0
219	4/17/2019 10:17:26	0.0	0.0
220	4/17/2019 10:17:56	0.0	0.0
221	4/17/2019 10:18:26	0.0	0.0
222	4/17/2019 10:18:56	0.0	0.0
223	4/17/2019 10:19:26	0.0	0.0
224	4/17/2019 10:19:56	0.0	0.0
225	4/17/2019 10:20:26	0.0	0.0
226	4/17/2019 10:20:56	0.0	0.0
227	4/17/2019 10:21:26	0.0	0.0
228	4/17/2019 10:21:56	0.0	0.0
229	4/17/2019 10:22:26	0.0	0.0
230	4/17/2019 10:22:56	0.0	0.0
231	4/17/2019 10:23:26	0.0	0.0
232	4/17/2019 10:23:56	0.0	0.0
233	4/17/2019 10:24:26	0.0	0.0
234	4/17/2019 10:24:56	0.0	0.0
235	4/17/2019 10:25:26	0.0	0.1
236	4/17/2019 10:25:56	0.0	0.1
237	4/17/2019 10:26:26	0.0	0.1
238	4/17/2019 10:26:56	0.0	0.1
239	4/17/2019 10:27:26	0.0	0.1
240	4/17/2019 10:27:56	0.0	0.1
241	4/17/2019 10:28:26	0.0	0.1
242	4/17/2019 10:28:56	0.0	0.1
243	4/17/2019 10:29:26	0.0	0.1
244	4/17/2019 10:29:56	0.0	0.1
245	4/17/2019 10:30:26	0.0	0.1
246	4/17/2019 10:30:56	0.0	0.1
247	4/17/2019 10:31:26	0.0	0.1
248	4/17/2019 10:31:56	0.0	0.1
249	4/17/2019 10:32:26	0.0	0.1
250	4/17/2019 10:32:56	0.0	0.1
251	4/17/2019 10:33:26	0.0	0.1
252	4/17/2019 10:33:56	0.0	0.1
253	4/17/2019 10:34:26	0.0	0.1
254	4/17/2019 10:34:56	0.0	0.1
255	4/17/2019 10:35:26	0.0	0.1
256	4/17/2019 10:35:56	0.0	0.1
257	4/17/2019 10:36:26	0.0	0.1
258	4/17/2019 10:36:56	0.0	0.1
259	4/17/2019 10:37:26	0.0	0.1
260	4/17/2019 10:37:56	0.0	0.1
261	4/17/2019 10:38:26	0.0	0.1
262	4/17/2019 10:38:56	0.0	0.1
263	4/17/2019 10:39:26	0.0	0.1
264	4/17/2019 10:39:56	0.0	0.1
265	4/17/2019 10:40:26	0.0	0.1

266	4/17/2019	10:40:56	0.0	0.1
267	4/17/2019	10:41:26	0.0	0.1
268	4/17/2019	10:41:56	0.0	0.1
269	4/17/2019	10:42:26	0.0	0.1
270	4/17/2019	10:42:56	0.0	0.1
271	4/17/2019	10:43:26	0.0	0.1
272	4/17/2019	10:43:56	0.0	0.1
273	4/17/2019	10:44:26	0.0	0.1
274	4/17/2019	10:44:56	0.0	0.1
275	4/17/2019	10:45:26	0.0	0.1
276	4/17/2019	10:45:56	0.0	0.1
277	4/17/2019	10:46:26	0.0	0.1
278	4/17/2019	10:46:56	0.0	0.1
279	4/17/2019	10:47:26	0.0	0.1
280	4/17/2019	10:47:56	0.0	0.1
281	4/17/2019	10:48:26	0.0	0.1
282	4/17/2019	10:48:56	0.0	0.1
283	4/17/2019	10:49:26	0.0	0.1
284	4/17/2019	10:49:56	0.0	0.1
285	4/17/2019	10:50:26	0.0	0.1
286	4/17/2019	10:50:56	0.0	0.1
287	4/17/2019	10:51:26	0.0	0.1
288	4/17/2019	10:51:56	0.0	0.1
289	4/17/2019	10:52:26	0.0	0.1
290	4/17/2019	10:52:56	0.0	0.1
291	4/17/2019	10:53:26	0.0	0.1
292	4/17/2019	10:53:56	0.0	0.1
293	4/17/2019	10:54:26	0.0	0.1
294	4/17/2019	10:54:56	0.0	0.1
295	4/17/2019	10:55:26	0.0	0.1
296	4/17/2019	10:55:56	0.0	0.1
297	4/17/2019	10:56:26	0.0	0.1
298	4/17/2019	10:56:56	0.0	0.1
299	4/17/2019	10:57:26	0.0	0.1
300	4/17/2019	10:57:56	0.0	0.1
301	4/17/2019	10:58:26	0.0	0.1
302	4/17/2019	10:58:56	0.0	0.1
303	4/17/2019	10:59:26	0.0	0.1
304	4/17/2019	10:59:56	0.0	0.1
305	4/17/2019	11:00:26	0.0	0.1
306	4/17/2019	11:00:56	0.0	0.1
307	4/17/2019	11:01:26	0.0	0.1
308	4/17/2019	11:01:56	0.0	0.1
309	4/17/2019	11:02:26	0.0	0.1
310	4/17/2019	11:02:56	0.0	0.1
311	4/17/2019	11:03:26	0.0	0.1
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674	4/17/2019 14:04:56	0.0	0.1
675	4/17/2019 14:05:26	0.0	0.1
676	4/17/2019 14:05:56	0.0	0.1
677	4/17/2019 14:06:26	0.0	0.1
678	4/17/2019 14:06:56	0.0	0.1
679	4/17/2019 14:07:26	0.0	0.1
680	4/17/2019 14:07:56	0.0	0.1
681	4/17/2019 14:08:26	0.0	0.1
682	4/17/2019 14:08:56	0.0	0.1
683	4/17/2019 14:09:26	0.0	0.1
684	4/17/2019 14:09:56	0.0	0.1
685	4/17/2019 14:10:26	0.0	0.1
686	4/17/2019 14:10:56	0.0	0.1
687	4/17/2019 14:11:26	0.0	0.1
688	4/17/2019 14:11:56	0.0	0.1
689	4/17/2019 14:12:26	0.0	0.1
690	4/17/2019 14:12:56	0.0	0.1
691	4/17/2019 14:13:26	0.0	0.1
692	4/17/2019 14:13:56	0.1	0.1
693	4/17/2019 14:14:26	0.1	0.1
694	4/17/2019 14:14:56	0.1	0.1
695	4/17/2019 14:15:26	0.1	0.1

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19/04/18 07:34

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-908425

Unit Firmware Ver V2.16

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Pause in Menu Mode

Site ID PES00000

User ID PES00000

Begin 4/18/2019 07:34:43

End 4/18/2019 07:34:47

Sample Period(s) 30

Number of Records 0

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/17/2019 08:21

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Datalog

0 record.

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19/04/18 08:07
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/18/2019 08:07:58
End 4/18/2019 14:28:20
Sample Period(s) 30
Number of Records 760

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/17/2019 08:21
Peak 1.6
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/18/2019 08:08:28	0.0	0.0	0.0	0.0	
002	4/18/2019 08:08:58	0.0	0.0	0.0	0.0	
003	4/18/2019 08:09:28	0.0	0.0	0.0	0.0	
004	4/18/2019 08:09:58	0.0	0.0	0.0	0.0	
005	4/18/2019 08:10:28	0.0	0.0	0.0	0.0	
006	4/18/2019 08:10:58	0.0	0.0	0.0	0.0	
007	4/18/2019 08:11:28	0.0	0.0	0.0	0.0	
008	4/18/2019 08:11:58	0.0	0.0	0.0	0.0	
009	4/18/2019 08:12:28	0.0	0.0	0.0	0.0	
010	4/18/2019 08:12:58	0.0	0.0	0.0	0.0	
011	4/18/2019 08:13:28	0.0	0.0	0.0	0.0	
012	4/18/2019 08:13:58	0.0	0.0	0.0	0.0	
013	4/18/2019 08:14:28	0.0	0.0	0.0	0.0	
014	4/18/2019 08:14:58	0.0	0.0	0.0	0.0	
015	4/18/2019 08:15:28	0.0	0.0	0.0	0.0	
016	4/18/2019 08:15:58	0.0	0.0	0.0	0.0	
017	4/18/2019 08:16:28	0.0	0.0	0.0	0.0	
018	4/18/2019 08:16:58	0.0	0.0	0.0	0.0	
019	4/18/2019 08:17:28	0.0	0.0	0.0	0.0	
020	4/18/2019 08:17:58	0.0	0.0	0.0	0.0	
021	4/18/2019 08:18:28	0.0	0.0	0.0	0.0	
022	4/18/2019 08:18:58	0.0	0.0	0.0	0.0	
023	4/18/2019 08:19:28	0.0	0.0	0.0	0.0	
024	4/18/2019 08:19:58	0.0	0.0	0.0	0.0	
025	4/18/2019 08:20:28	0.0	0.0	0.0	0.0	
026	4/18/2019 08:20:58	0.0	0.0	0.0	0.0	
027	4/18/2019 08:21:28	0.0	0.0	0.0	0.0	
028	4/18/2019 08:21:58	0.0	0.0	0.0	0.0	
029	4/18/2019 08:22:28	0.0	0.0	0.0	0.0	
030	4/18/2019 08:22:58	0.0	0.0	0.0	0.0	
031	4/18/2019 08:23:28	0.0	0.0	0.0	0.0	
032	4/18/2019 08:23:58	0.0	0.0	0.0	0.0	
033	4/18/2019 08:24:28	0.0	0.0	0.0	0.0	
034	4/18/2019 08:24:58	0.0	0.0	0.0	0.0	
035	4/18/2019 08:25:28	0.0	0.0	0.0	0.0	
036	4/18/2019 08:25:58	0.0	0.0	0.0	0.0	
037	4/18/2019 08:26:28	0.0	0.0	0.0	0.0	
038	4/18/2019 08:26:58	0.0	0.0	0.0	0.0	

039	4/18/2019	08:27:28	0.0	0.0	0.0	0.0
040	4/18/2019	08:27:58	0.0	0.0	0.0	0.0
041	4/18/2019	08:28:28	0.0	0.0	0.0	0.0
042	4/18/2019	08:28:58	0.0	0.0	0.0	0.0
043	4/18/2019	08:29:28	0.0	0.0	0.0	0.0
044	4/18/2019	08:29:58	0.0	0.0	0.0	0.0
045	4/18/2019	08:30:28	0.0	0.0	0.0	0.0
046	4/18/2019	08:30:58	0.0	0.0	0.0	0.0
047	4/18/2019	08:31:28	0.0	0.0	0.0	0.0
048	4/18/2019	08:31:58	0.0	0.0	0.0	0.0
049	4/18/2019	08:32:28	0.0	0.0	0.0	0.0
050	4/18/2019	08:32:58	0.0	0.0	0.0	0.0
051	4/18/2019	08:33:28	0.0	0.0	0.0	0.0
052	4/18/2019	08:33:58	0.0	0.0	0.0	0.0
053	4/18/2019	08:34:28	0.0	0.0	0.0	0.0
054	4/18/2019	08:34:58	0.0	0.0	0.0	0.0
055	4/18/2019	08:35:28	0.0	0.0	0.0	0.0
056	4/18/2019	08:35:58	0.0	0.0	0.0	0.0
057	4/18/2019	08:36:28	0.0	0.0	0.0	0.0
058	4/18/2019	08:36:58	0.0	0.0	0.0	0.0
059	4/18/2019	08:37:28	0.0	0.0	0.0	0.0
060	4/18/2019	08:37:58	0.0	0.0	0.0	0.0
061	4/18/2019	08:38:28	0.0	0.0	0.0	0.0
062	4/18/2019	08:38:58	0.0	0.0	0.0	0.0
063	4/18/2019	08:39:28	0.0	0.0	0.0	0.0
064	4/18/2019	08:39:58	0.0	0.0	0.0	0.0
065	4/18/2019	08:40:28	0.0	0.0	0.0	0.0
066	4/18/2019	08:40:58	0.0	0.0	0.0	0.0
067	4/18/2019	08:41:28	0.0	0.0	0.0	0.0
068	4/18/2019	08:41:58	0.0	0.0	0.0	0.0
069	4/18/2019	08:42:28	0.0	0.0	0.0	0.0
070	4/18/2019	08:42:58	0.0	0.0	0.0	0.0
071	4/18/2019	08:43:28	0.0	0.0	0.0	0.0
072	4/18/2019	08:43:58	0.0	0.0	0.0	0.0
073	4/18/2019	08:44:28	0.0	0.0	0.0	0.0
074	4/18/2019	08:44:58	0.0	0.0	0.0	0.0
075	4/18/2019	08:45:28	0.0	0.0	0.0	0.0
076	4/18/2019	08:45:58	0.0	0.0	0.0	0.0
077	4/18/2019	08:46:28	0.0	0.0	0.0	0.0
078	4/18/2019	08:46:58	0.0	0.0	0.0	0.0
079	4/18/2019	08:47:28	0.0	0.0	0.0	0.0
080	4/18/2019	08:47:58	0.0	0.0	0.0	0.0
081	4/18/2019	08:48:28	0.0	0.0	0.0	0.0
082	4/18/2019	08:48:58	0.0	0.0	0.0	0.0
083	4/18/2019	08:49:28	0.0	0.0	0.0	0.0
084	4/18/2019	08:49:58	0.0	0.0	0.0	0.0
085	4/18/2019	08:50:28	0.0	0.0	0.0	0.0
086	4/18/2019	08:50:58	0.0	0.0	0.0	0.0
087	4/18/2019	08:51:28	0.0	0.0	0.0	0.0
088	4/18/2019	08:51:58	0.0	0.0	0.0	0.0

089	4/18/2019	08:52:28	0.0	0.0	0.0	0.0
090	4/18/2019	08:52:58	0.0	0.0	0.0	0.0
091	4/18/2019	08:53:28	0.0	0.0	0.0	0.0
092	4/18/2019	08:53:58	0.0	0.0	0.0	0.0
093	4/18/2019	08:54:28	0.0	0.0	0.0	0.0
094	4/18/2019	08:54:58	0.0	0.0	0.0	0.0
095	4/18/2019	08:55:28	0.0	0.0	0.0	0.0
096	4/18/2019	08:55:58	0.0	0.0	0.0	0.0
097	4/18/2019	08:56:28	0.0	0.0	0.0	0.0
098	4/18/2019	08:56:58	0.0	0.0	0.0	0.0
099	4/18/2019	08:57:28	0.0	0.0	0.0	0.0
100	4/18/2019	08:57:58	0.0	0.0	0.0	0.0
101	4/18/2019	08:58:28	0.0	0.0	0.0	0.0
102	4/18/2019	08:58:58	0.0	0.0	0.0	0.0
103	4/18/2019	08:59:28	0.0	0.0	0.0	0.0
104	4/18/2019	08:59:58	0.0	0.0	0.0	0.0
105	4/18/2019	09:00:28	0.0	0.0	0.0	0.0
106	4/18/2019	09:00:58	0.0	0.0	0.0	0.0
107	4/18/2019	09:01:28	0.0	0.0	0.0	0.0
108	4/18/2019	09:01:58	0.0	0.0	0.0	0.0
109	4/18/2019	09:02:28	0.0	0.0	0.0	0.0
110	4/18/2019	09:02:58	0.0	0.0	0.0	0.0
111	4/18/2019	09:03:28	0.0	0.0	0.0	0.0
112	4/18/2019	09:03:58	0.0	0.0	0.0	0.0
113	4/18/2019	09:04:28	0.0	0.0	0.0	0.0
114	4/18/2019	09:04:58	0.0	0.0	0.0	0.0
115	4/18/2019	09:05:28	0.0	0.0	0.0	0.0
116	4/18/2019	09:05:58	0.0	0.0	0.0	0.0
117	4/18/2019	09:06:28	0.0	0.0	0.0	0.0
118	4/18/2019	09:06:58	0.0	0.0	0.0	0.0
119	4/18/2019	09:07:28	0.0	0.0	0.0	0.0
120	4/18/2019	09:07:58	0.0	0.0	0.0	0.0
121	4/18/2019	09:08:28	0.0	0.0	0.0	0.0
122	4/18/2019	09:08:58	0.0	0.0	0.0	0.0
123	4/18/2019	09:09:28	0.0	0.0	0.0	0.0
124	4/18/2019	09:09:58	0.0	0.0	0.0	0.0
125	4/18/2019	09:10:28	0.0	0.0	0.0	0.0
126	4/18/2019	09:10:58	0.0	0.0	0.0	0.0
127	4/18/2019	09:11:28	0.0	0.0	0.0	0.0
128	4/18/2019	09:11:58	0.0	0.0	0.0	0.0
129	4/18/2019	09:12:28	0.0	0.0	0.0	0.0
130	4/18/2019	09:12:58	0.0	0.0	0.0	0.0
131	4/18/2019	09:13:28	0.0	0.0	0.0	0.0
132	4/18/2019	09:13:58	0.0	0.0	0.0	0.0
133	4/18/2019	09:14:28	0.0	0.0	0.0	0.0
134	4/18/2019	09:14:58	0.0	0.0	0.0	0.0
135	4/18/2019	09:15:28	0.0	0.0	0.0	0.0
136	4/18/2019	09:15:58	0.0	0.0	0.0	0.0
137	4/18/2019	09:16:28	0.0	0.0	0.0	0.0
138	4/18/2019	09:16:58	0.0	0.0	0.0	0.0

139	4/18/2019	09:17:28	0.0	0.0	0.0	0.0
140	4/18/2019	09:17:58	0.0	0.0	0.0	0.0
141	4/18/2019	09:18:28	0.0	0.0	0.0	0.0
142	4/18/2019	09:18:58	0.0	0.0	0.0	0.0
143	4/18/2019	09:19:28	0.0	0.0	0.0	0.0
144	4/18/2019	09:19:58	0.0	0.0	0.0	0.0
145	4/18/2019	09:20:28	0.0	0.0	0.0	0.0
146	4/18/2019	09:20:58	0.0	0.0	0.0	0.0
147	4/18/2019	09:21:28	0.0	0.0	0.0	0.0
148	4/18/2019	09:21:58	0.0	0.0	0.0	0.0
149	4/18/2019	09:22:28	0.0	0.0	0.0	0.0
150	4/18/2019	09:22:58	0.0	0.0	0.0	0.0
151	4/18/2019	09:23:28	0.0	0.0	0.0	0.0
152	4/18/2019	09:23:58	0.0	0.0	0.0	0.0
153	4/18/2019	09:24:28	0.0	0.0	0.0	0.0
154	4/18/2019	09:24:58	0.0	0.0	0.0	0.0
155	4/18/2019	09:25:28	0.0	0.0	0.0	0.0
156	4/18/2019	09:25:58	0.0	0.0	0.0	0.0
157	4/18/2019	09:26:28	0.0	0.0	0.0	0.0
158	4/18/2019	09:26:58	0.0	0.0	0.0	0.0
159	4/18/2019	09:27:28	0.0	0.0	0.0	0.0
160	4/18/2019	09:27:58	0.0	0.0	0.0	0.0
161	4/18/2019	09:28:28	0.0	0.0	0.0	0.0
162	4/18/2019	09:28:58	0.0	0.0	0.0	0.0
163	4/18/2019	09:29:28	0.0	0.0	0.0	0.0
164	4/18/2019	09:29:58	0.0	0.0	0.0	0.0
165	4/18/2019	09:30:28	0.0	0.0	0.0	0.0
166	4/18/2019	09:30:58	0.0	0.0	0.0	0.0
167	4/18/2019	09:31:28	0.0	0.0	0.0	0.0
168	4/18/2019	09:31:58	0.0	0.0	0.0	0.0
169	4/18/2019	09:32:28	0.0	0.0	0.0	0.0
170	4/18/2019	09:32:58	0.0	0.0	0.0	0.0
171	4/18/2019	09:33:28	0.0	0.0	0.0	0.0
172	4/18/2019	09:33:58	0.0	0.0	0.0	0.0
173	4/18/2019	09:34:28	0.0	0.0	0.0	0.0
174	4/18/2019	09:34:58	0.0	0.0	0.0	0.0
175	4/18/2019	09:35:28	0.0	0.0	0.0	0.0
176	4/18/2019	09:35:58	0.0	0.0	0.0	0.0
177	4/18/2019	09:36:28	0.0	0.0	0.0	0.0
178	4/18/2019	09:36:58	0.0	0.0	0.0	0.0
179	4/18/2019	09:37:28	0.0	0.0	0.0	0.0
180	4/18/2019	09:37:58	0.0	0.0	0.0	0.0
181	4/18/2019	09:38:28	0.0	0.0	0.0	0.0
182	4/18/2019	09:38:58	0.0	0.0	0.0	0.0
183	4/18/2019	09:39:28	0.0	0.0	0.0	0.0
184	4/18/2019	09:39:58	0.0	0.0	0.0	0.0
185	4/18/2019	09:40:28	0.0	0.0	0.0	0.0
186	4/18/2019	09:40:58	0.0	0.0	0.0	0.0
187	4/18/2019	09:41:28	0.0	0.0	0.0	0.0
188	4/18/2019	09:41:58	0.0	0.0	0.0	0.0

189	4/18/2019	09:42:28	0.0	0.0	0.0	0.0
190	4/18/2019	09:42:58	0.0	0.0	0.0	0.0
191	4/18/2019	09:43:28	0.0	0.0	0.0	0.0
192	4/18/2019	09:43:58	0.0	0.0	0.0	0.0
193	4/18/2019	09:44:28	0.0	0.0	0.0	0.0
194	4/18/2019	09:44:58	0.0	0.0	0.0	0.0
195	4/18/2019	09:45:28	0.0	0.0	0.0	0.0
196	4/18/2019	09:45:58	0.0	0.0	0.0	0.0
197	4/18/2019	09:46:28	0.0	0.0	0.0	0.0
198	4/18/2019	09:46:58	0.0	0.0	0.0	0.0
199	4/18/2019	09:47:28	0.0	0.0	0.0	0.0
200	4/18/2019	09:47:58	0.0	0.0	0.0	0.0
201	4/18/2019	09:48:28	0.0	0.0	0.0	0.0
202	4/18/2019	09:48:58	0.0	0.0	0.0	0.0
203	4/18/2019	09:49:28	0.0	0.0	0.0	0.0
204	4/18/2019	09:49:58	0.0	0.0	0.0	0.0
205	4/18/2019	09:50:28	0.0	0.0	0.0	0.0
206	4/18/2019	09:50:58	0.0	0.0	0.0	0.0
207	4/18/2019	09:51:28	0.0	0.0	0.0	0.0
208	4/18/2019	09:51:58	0.0	0.0	0.0	0.0
209	4/18/2019	09:52:28	0.0	0.0	0.0	0.0
210	4/18/2019	09:52:58	0.0	0.0	0.0	0.0
211	4/18/2019	09:53:28	0.0	0.0	0.0	0.0
212	4/18/2019	09:53:58	0.0	0.0	0.0	0.0
213	4/18/2019	09:54:28	0.0	0.0	0.0	0.0
214	4/18/2019	09:54:58	0.0	0.0	0.0	0.0
215	4/18/2019	09:55:28	0.0	0.0	0.0	0.0
216	4/18/2019	09:55:58	0.0	0.0	0.0	0.0
217	4/18/2019	09:56:28	0.0	0.0	0.0	0.0
218	4/18/2019	09:56:58	0.0	0.0	0.0	0.0
219	4/18/2019	09:57:28	0.0	0.0	0.0	0.0
220	4/18/2019	09:57:58	0.0	0.0	0.0	0.0
221	4/18/2019	09:58:28	0.0	0.0	0.0	0.0
222	4/18/2019	09:58:58	0.0	0.0	0.0	0.0
223	4/18/2019	09:59:28	0.0	0.0	0.0	0.0
224	4/18/2019	09:59:58	0.0	0.0	0.0	0.0
225	4/18/2019	10:00:28	0.0	0.0	0.0	0.0
226	4/18/2019	10:00:58	0.0	0.0	0.0	0.0
227	4/18/2019	10:01:28	0.0	0.0	0.0	0.0
228	4/18/2019	10:01:58	0.0	0.0	0.0	0.0
229	4/18/2019	10:02:28	0.0	0.0	0.0	0.0
230	4/18/2019	10:02:58	0.0	0.0	0.0	0.0
231	4/18/2019	10:03:28	0.0	0.0	0.0	0.0
232	4/18/2019	10:03:58	0.0	0.0	0.0	0.0
233	4/18/2019	10:04:28	0.0	0.0	0.0	0.0
234	4/18/2019	10:04:58	0.0	0.0	0.0	0.0
235	4/18/2019	10:05:28	0.0	0.0	0.0	0.0
236	4/18/2019	10:05:58	0.0	0.0	0.0	0.0
237	4/18/2019	10:06:28	0.0	0.0	0.0	0.0
238	4/18/2019	10:06:58	0.0	0.0	0.0	0.0

239	4/18/2019	10:07:28	0.0	0.0	0.0	0.0
240	4/18/2019	10:07:58	0.0	0.0	0.0	0.0
241	4/18/2019	10:08:28	0.0	0.0	0.0	0.0
242	4/18/2019	10:08:58	0.0	0.0	0.0	0.0
243	4/18/2019	10:09:28	0.0	0.0	0.0	0.0
244	4/18/2019	10:09:58	0.0	0.0	0.0	0.0
245	4/18/2019	10:10:28	0.0	0.0	0.0	0.0
246	4/18/2019	10:10:58	0.0	0.0	0.0	0.0
247	4/18/2019	10:11:28	0.0	0.0	0.0	0.0
248	4/18/2019	10:11:58	0.0	0.0	0.0	0.0
249	4/18/2019	10:12:28	0.0	0.0	0.0	0.0
250	4/18/2019	10:12:58	0.0	0.0	0.0	0.0
251	4/18/2019	10:13:28	0.0	0.0	0.0	0.0
252	4/18/2019	10:13:58	0.0	0.0	0.0	0.0
253	4/18/2019	10:14:28	0.0	0.0	0.0	0.0
254	4/18/2019	10:14:58	0.0	0.0	0.0	0.0
255	4/18/2019	10:15:28	0.0	0.0	0.0	0.0
256	4/18/2019	10:15:58	0.0	0.0	0.0	0.0
257	4/18/2019	10:16:28	0.0	0.0	0.0	0.0
258	4/18/2019	10:16:58	0.0	0.0	0.0	0.0
259	4/18/2019	10:17:28	0.0	0.0	0.0	0.0
260	4/18/2019	10:17:58	0.0	0.0	0.0	0.0
261	4/18/2019	10:18:28	0.0	0.0	0.0	0.0
262	4/18/2019	10:18:58	0.0	0.0	0.0	0.0
263	4/18/2019	10:19:28	0.0	0.0	0.0	0.0
264	4/18/2019	10:19:58	0.0	0.0	0.0	0.0
265	4/18/2019	10:20:28	0.0	0.0	0.0	0.0
266	4/18/2019	10:20:58	0.0	0.0	0.0	0.0
267	4/18/2019	10:21:28	0.0	0.0	0.0	0.0
268	4/18/2019	10:21:58	0.0	0.0	0.0	0.0
269	4/18/2019	10:22:28	0.0	0.0	0.0	0.0
270	4/18/2019	10:22:58	0.0	0.0	0.0	0.0
271	4/18/2019	10:23:28	0.0	0.0	0.0	0.0
272	4/18/2019	10:23:58	0.0	0.0	0.0	0.0
273	4/18/2019	10:24:28	0.0	0.0	0.0	0.0
274	4/18/2019	10:24:58	0.0	0.0	0.0	0.0
275	4/18/2019	10:25:28	0.0	0.0	0.0	0.0
276	4/18/2019	10:25:58	0.0	0.0	0.0	0.0
277	4/18/2019	10:26:28	0.0	0.0	0.0	0.0
278	4/18/2019	10:26:58	0.0	0.0	0.0	0.0
279	4/18/2019	10:27:28	0.0	0.0	0.0	0.0
280	4/18/2019	10:27:58	0.0	0.0	0.0	0.0
281	4/18/2019	10:28:28	0.0	0.0	0.0	0.0
282	4/18/2019	10:28:58	0.0	0.0	0.0	0.0
283	4/18/2019	10:29:28	0.0	0.0	0.0	0.0
284	4/18/2019	10:29:58	0.0	0.0	0.0	0.0
285	4/18/2019	10:30:28	0.0	0.0	0.0	0.0
286	4/18/2019	10:30:58	0.0	0.0	0.0	0.0
287	4/18/2019	10:31:28	0.0	0.0	0.0	0.0
288	4/18/2019	10:31:58	0.0	0.0	0.0	0.0

289	4/18/2019	10:32:28	0.0	0.0	0.0	0.0
290	4/18/2019	10:32:58	0.0	0.0	0.0	0.0
291	4/18/2019	10:33:28	0.0	0.0	0.0	0.0
292	4/18/2019	10:33:58	0.0	0.0	0.0	0.0
293	4/18/2019	10:34:28	0.0	0.0	0.0	0.0
294	4/18/2019	10:34:58	0.0	0.0	0.0	0.0
295	4/18/2019	10:35:28	0.0	0.0	0.0	0.0
296	4/18/2019	10:35:58	0.0	0.0	0.0	0.0
297	4/18/2019	10:36:28	0.0	0.0	0.0	0.0
298	4/18/2019	10:36:58	0.0	0.0	0.0	0.0
299	4/18/2019	10:37:28	0.0	0.0	0.0	0.0
300	4/18/2019	10:37:58	0.0	0.0	0.0	0.0
301	4/18/2019	10:38:28	0.0	0.0	0.0	0.0
302	4/18/2019	10:38:58	0.0	0.0	0.0	0.0
303	4/18/2019	10:39:28	0.0	0.0	0.0	0.0
304	4/18/2019	10:39:58	0.0	0.0	0.0	0.0
305	4/18/2019	10:40:28	0.0	0.0	0.0	0.0
306	4/18/2019	10:40:58	0.0	0.0	0.0	0.0
307	4/18/2019	10:41:28	0.0	0.0	0.0	0.0
308	4/18/2019	10:41:58	0.0	0.0	0.0	0.0
309	4/18/2019	10:42:28	0.0	0.0	0.0	0.0
310	4/18/2019	10:42:58	0.0	0.0	0.0	0.0
311	4/18/2019	10:43:28	0.0	0.0	0.0	0.0
312	4/18/2019	10:43:58	0.0	0.0	0.0	0.0
313	4/18/2019	10:44:28	0.0	0.0	0.0	0.0
314	4/18/2019	10:44:58	0.0	0.0	0.0	0.0
315	4/18/2019	10:45:28	0.0	0.0	0.0	0.0
316	4/18/2019	10:45:58	0.0	0.0	0.0	0.0
317	4/18/2019	10:46:28	0.0	0.0	0.0	0.0
318	4/18/2019	10:46:58	0.0	0.0	0.0	0.0
319	4/18/2019	10:47:28	0.0	0.0	0.0	0.0
320	4/18/2019	10:47:58	0.0	0.0	0.0	0.0
321	4/18/2019	10:48:28	0.0	0.0	0.0	0.0
322	4/18/2019	10:48:58	0.0	0.0	0.0	0.0
323	4/18/2019	10:49:28	0.0	0.0	0.0	0.0
324	4/18/2019	10:49:58	0.0	0.0	0.0	0.0
325	4/18/2019	10:50:28	0.0	0.0	0.0	0.0
326	4/18/2019	10:50:58	0.0	0.0	0.0	0.0
327	4/18/2019	10:51:28	0.0	0.0	0.0	0.0
328	4/18/2019	10:51:58	0.0	0.0	0.0	0.0
329	4/18/2019	10:52:28	0.0	0.0	0.0	0.0
330	4/18/2019	10:52:58	0.0	0.0	0.0	0.0
331	4/18/2019	10:53:28	0.0	0.0	0.0	0.0
332	4/18/2019	10:53:58	0.0	0.0	0.0	0.0
333	4/18/2019	10:54:28	0.0	0.0	0.0	0.0
334	4/18/2019	10:54:58	0.0	0.0	0.0	0.0
335	4/18/2019	10:55:28	0.0	0.0	0.0	0.0
336	4/18/2019	10:55:58	0.0	0.0	0.0	0.0
337	4/18/2019	10:56:28	0.0	0.0	0.0	0.0
338	4/18/2019	10:56:58	0.0	0.0	0.0	0.0

339	4/18/2019	10:57:28	0.0	0.0	0.0	0.0
340	4/18/2019	10:57:58	0.0	0.0	0.0	0.0
341	4/18/2019	10:58:28	0.0	0.0	0.0	0.0
342	4/18/2019	10:58:58	0.0	0.0	0.0	0.0
343	4/18/2019	10:59:28	0.0	0.0	0.0	0.0
344	4/18/2019	10:59:58	0.0	0.0	0.0	0.0
345	4/18/2019	11:00:28	0.0	0.0	0.0	0.0
346	4/18/2019	11:00:58	0.0	0.0	0.0	0.0
347	4/18/2019	11:01:28	0.0	0.0	0.0	0.0
348	4/18/2019	11:01:58	0.0	0.0	0.0	0.0
349	4/18/2019	11:02:28	0.0	0.0	0.0	0.0
350	4/18/2019	11:02:58	0.0	0.0	0.0	0.0
351	4/18/2019	11:03:28	0.0	0.0	0.0	0.0
352	4/18/2019	11:03:58	0.0	0.1	0.5	0.0
353	4/18/2019	11:04:28	0.0	0.0	0.0	0.0
354	4/18/2019	11:04:58	0.0	0.1	0.3	0.0
355	4/18/2019	11:05:28	0.0	0.0	0.0	0.0
356	4/18/2019	11:05:58	0.0	0.0	0.4	0.4
357	4/18/2019	11:06:28	0.0	0.6	1.9	1.6
358	4/18/2019	11:06:58	0.0	0.7	3.2	0.0
359	4/18/2019	11:07:28	0.0	0.0	0.0	0.0
360	4/18/2019	11:07:58	0.0	0.0	0.2	0.0
361	4/18/2019	11:08:28	0.0	0.1	0.6	0.0
362	4/18/2019	11:08:58	0.0	0.0	0.0	0.0
363	4/18/2019	11:09:28	0.0	0.0	0.0	0.0
364	4/18/2019	11:09:58	0.0	0.0	0.0	0.0
365	4/18/2019	11:10:28	0.0	0.0	0.0	0.0
366	4/18/2019	11:10:58	0.0	0.0	0.0	0.0
367	4/18/2019	11:11:28	0.0	0.0	0.0	0.0
368	4/18/2019	11:11:58	0.0	0.0	0.0	0.0
369	4/18/2019	11:12:28	0.0	0.0	0.0	0.0
370	4/18/2019	11:12:58	0.0	0.0	0.0	0.0
371	4/18/2019	11:13:28	0.0	0.0	0.0	0.0
372	4/18/2019	11:13:58	0.0	0.0	0.0	0.0
373	4/18/2019	11:14:28	0.0	0.0	0.0	0.0
374	4/18/2019	11:14:58	0.0	0.0	0.0	0.0
375	4/18/2019	11:15:28	0.0	0.0	0.0	0.0
376	4/18/2019	11:15:58	0.0	0.0	0.0	0.0
377	4/18/2019	11:16:28	0.0	0.0	0.0	0.0
378	4/18/2019	11:16:58	0.0	0.0	0.0	0.0
379	4/18/2019	11:17:28	0.0	0.0	0.0	0.0
380	4/18/2019	11:17:58	0.0	0.0	0.0	0.0
381	4/18/2019	11:18:28	0.0	0.0	0.0	0.0
382	4/18/2019	11:18:58	0.0	0.0	0.0	0.0
383	4/18/2019	11:19:28	0.0	0.0	0.0	0.0
384	4/18/2019	11:19:58	0.0	0.0	0.0	0.0
385	4/18/2019	11:20:28	0.0	0.0	0.0	0.0
386	4/18/2019	11:20:58	0.0	0.0	0.0	0.0
387	4/18/2019	11:21:28	0.0	0.0	0.0	0.0
388	4/18/2019	11:21:58	0.0	0.0	0.0	0.0

389	4/18/2019	11:22:28	0.0	0.0	0.0	0.0
390	4/18/2019	11:22:58	0.0	0.0	0.0	0.0
391	4/18/2019	11:23:28	0.0	0.0	0.0	0.0
392	4/18/2019	11:23:58	0.0	0.0	0.0	0.0
393	4/18/2019	11:24:28	0.0	0.0	0.0	0.0
394	4/18/2019	11:24:58	0.0	0.0	0.0	0.0
395	4/18/2019	11:25:28	0.0	0.0	0.0	0.0
396	4/18/2019	11:25:58	0.0	0.0	0.0	0.0
397	4/18/2019	11:26:28	0.0	0.0	0.0	0.0
398	4/18/2019	11:26:58	0.0	0.0	0.0	0.0
399	4/18/2019	11:27:28	0.0	0.0	0.0	0.0
400	4/18/2019	11:27:58	0.0	0.0	0.0	0.0
401	4/18/2019	11:28:28	0.0	0.0	0.0	0.0
402	4/18/2019	11:28:58	0.0	0.0	0.0	0.0
403	4/18/2019	11:29:28	0.0	0.0	0.0	0.0
404	4/18/2019	11:29:58	0.0	0.0	0.0	0.0
405	4/18/2019	11:30:28	0.0	0.0	0.0	0.0
406	4/18/2019	11:30:58	0.0	0.0	0.0	0.0
407	4/18/2019	11:31:28	0.0	0.0	0.0	0.0
408	4/18/2019	11:31:58	0.0	0.0	0.0	0.0
409	4/18/2019	11:32:28	0.0	0.0	0.0	0.0
410	4/18/2019	11:32:58	0.0	0.0	0.0	0.0
411	4/18/2019	11:33:28	0.0	0.0	0.0	0.0
412	4/18/2019	11:33:58	0.0	0.0	0.0	0.0
413	4/18/2019	11:34:28	0.0	0.0	0.0	0.0
414	4/18/2019	11:34:58	0.0	0.0	0.0	0.0
415	4/18/2019	11:35:28	0.0	0.0	0.0	0.0
416	4/18/2019	11:35:58	0.0	0.0	0.0	0.0
417	4/18/2019	11:36:28	0.0	0.0	0.0	0.0
418	4/18/2019	11:36:58	0.0	0.0	0.0	0.0
419	4/18/2019	11:37:28	0.0	0.0	0.0	0.0
420	4/18/2019	11:37:58	0.0	0.0	0.0	0.0
421	4/18/2019	11:38:28	0.0	0.0	0.0	0.0
422	4/18/2019	11:38:58	0.0	0.0	0.0	0.0
423	4/18/2019	11:39:28	0.0	0.0	0.0	0.0
424	4/18/2019	11:39:58	0.0	0.0	0.0	0.0
425	4/18/2019	11:40:28	0.0	0.0	0.0	0.0
426	4/18/2019	11:40:58	0.0	0.0	0.0	0.0
427	4/18/2019	11:41:28	0.0	0.0	0.0	0.0
428	4/18/2019	11:41:58	0.0	0.0	0.0	0.0
429	4/18/2019	11:42:28	0.0	0.0	0.0	0.0
430	4/18/2019	11:42:58	0.0	0.0	0.0	0.0
431	4/18/2019	11:43:28	0.0	0.0	0.0	0.0
432	4/18/2019	11:43:58	0.0	0.0	0.0	0.0
433	4/18/2019	11:44:28	0.0	0.0	0.0	0.0
434	4/18/2019	11:44:58	0.0	0.0	0.0	0.0
435	4/18/2019	11:45:28	0.0	0.0	0.0	0.0
436	4/18/2019	11:45:58	0.0	0.0	0.0	0.0
437	4/18/2019	11:46:28	0.0	0.0	0.0	0.0
438	4/18/2019	11:46:58	0.0	0.0	0.0	0.0

439	4/18/2019	11:47:28	0.0	0.0	0.0	0.0
440	4/18/2019	11:47:58	0.0	0.0	0.0	0.0
441	4/18/2019	11:48:28	0.0	0.0	0.0	0.0
442	4/18/2019	11:48:58	0.0	0.0	0.0	0.0
443	4/18/2019	11:49:28	0.0	0.0	0.0	0.0
444	4/18/2019	11:49:58	0.0	0.0	0.0	0.0
445	4/18/2019	11:50:28	0.0	0.0	0.0	0.0
446	4/18/2019	11:50:58	0.0	0.0	0.0	0.0
447	4/18/2019	11:51:28	0.0	0.0	0.0	0.0
448	4/18/2019	11:51:58	0.0	0.0	0.0	0.0
449	4/18/2019	11:52:28	0.0	0.0	0.0	0.0
450	4/18/2019	11:52:58	0.0	0.0	0.0	0.0
451	4/18/2019	11:53:28	0.0	0.0	0.0	0.0
452	4/18/2019	11:53:58	0.0	0.0	0.0	0.0
453	4/18/2019	11:54:28	0.0	0.0	0.0	0.0
454	4/18/2019	11:54:58	0.0	0.0	0.0	0.0
455	4/18/2019	11:55:28	0.0	0.0	0.0	0.0
456	4/18/2019	11:55:58	0.0	0.0	0.0	0.0
457	4/18/2019	11:56:28	0.0	0.0	0.0	0.0
458	4/18/2019	11:56:58	0.0	0.0	0.0	0.0
459	4/18/2019	11:57:28	0.0	0.0	0.0	0.0
460	4/18/2019	11:57:58	0.0	0.0	0.0	0.0
461	4/18/2019	11:58:28	0.0	0.0	0.0	0.0
462	4/18/2019	11:58:58	0.0	0.0	0.0	0.0
463	4/18/2019	11:59:28	0.0	0.0	0.0	0.0
464	4/18/2019	11:59:58	0.0	0.0	0.0	0.0
465	4/18/2019	12:00:28	0.0	0.0	0.0	0.0
466	4/18/2019	12:00:58	0.0	0.0	0.0	0.0
467	4/18/2019	12:01:28	0.0	0.0	0.0	0.0
468	4/18/2019	12:01:58	0.0	0.0	0.0	0.0
469	4/18/2019	12:02:28	0.0	0.0	0.0	0.0
470	4/18/2019	12:02:58	0.0	0.0	0.0	0.0
471	4/18/2019	12:03:28	0.0	0.0	0.0	0.0
472	4/18/2019	12:03:58	0.0	0.0	0.0	0.0
473	4/18/2019	12:04:28	0.0	0.0	0.0	0.0
474	4/18/2019	12:04:58	0.0	0.0	0.0	0.0
475	4/18/2019	12:05:28	0.0	0.0	0.0	0.0
476	4/18/2019	12:05:58	0.0	0.0	0.0	0.0
477	4/18/2019	12:06:28	0.0	0.0	0.0	0.0
478	4/18/2019	12:06:58	0.0	0.0	0.0	0.0
479	4/18/2019	12:07:28	0.0	0.0	0.0	0.0
480	4/18/2019	12:07:58	0.0	0.0	0.0	0.0
481	4/18/2019	12:08:28	0.0	0.0	0.0	0.0
482	4/18/2019	12:08:58	0.0	0.0	0.0	0.0
483	4/18/2019	12:09:28	0.0	0.0	0.0	0.0
484	4/18/2019	12:09:58	0.0	0.0	0.0	0.0
485	4/18/2019	12:10:28	0.0	0.0	0.0	0.0
486	4/18/2019	12:10:58	0.0	0.0	0.0	0.0
487	4/18/2019	12:11:28	0.0	0.0	0.0	0.0
488	4/18/2019	12:11:58	0.0	0.0	0.0	0.0

489	4/18/2019	12:12:28	0.0	0.0	0.0	0.0
490	4/18/2019	12:12:58	0.0	0.0	0.0	0.0
491	4/18/2019	12:13:28	0.0	0.0	0.0	0.0
492	4/18/2019	12:13:58	0.0	0.0	0.0	0.0
493	4/18/2019	12:14:28	0.0	0.0	0.0	0.0
494	4/18/2019	12:14:58	0.0	0.0	0.0	0.0
495	4/18/2019	12:15:28	0.0	0.0	0.0	0.0
496	4/18/2019	12:15:58	0.0	0.0	0.0	0.0
497	4/18/2019	12:16:28	0.0	0.0	0.0	0.0
498	4/18/2019	12:16:58	0.0	0.0	0.0	0.0
499	4/18/2019	12:17:28	0.0	0.0	0.0	0.0
500	4/18/2019	12:17:58	0.0	0.0	0.0	0.0
501	4/18/2019	12:18:28	0.0	0.0	0.0	0.0
502	4/18/2019	12:18:58	0.0	0.0	0.0	0.0
503	4/18/2019	12:19:28	0.0	0.0	0.0	0.0
504	4/18/2019	12:19:58	0.0	0.0	0.0	0.0
505	4/18/2019	12:20:28	0.0	0.0	0.0	0.0
506	4/18/2019	12:20:58	0.0	0.0	0.0	0.0
507	4/18/2019	12:21:28	0.0	0.0	0.0	0.0
508	4/18/2019	12:21:58	0.0	0.0	0.0	0.0
509	4/18/2019	12:22:28	0.0	0.0	0.0	0.0
510	4/18/2019	12:22:58	0.0	0.0	0.0	0.0
511	4/18/2019	12:23:28	0.0	0.0	0.0	0.0
512	4/18/2019	12:23:58	0.0	0.0	0.0	0.0
513	4/18/2019	12:24:28	0.0	0.0	0.0	0.0
514	4/18/2019	12:24:58	0.0	0.0	0.0	0.0
515	4/18/2019	12:25:28	0.0	0.0	0.0	0.0
516	4/18/2019	12:25:58	0.0	0.0	0.0	0.0
517	4/18/2019	12:26:28	0.0	0.0	0.0	0.0
518	4/18/2019	12:26:58	0.0	0.0	0.0	0.0
519	4/18/2019	12:27:28	0.0	0.0	0.0	0.0
520	4/18/2019	12:27:58	0.0	0.0	0.0	0.0
521	4/18/2019	12:28:28	0.0	0.0	0.0	0.0
522	4/18/2019	12:28:58	0.0	0.0	0.0	0.0
523	4/18/2019	12:29:28	0.0	0.0	0.0	0.0
524	4/18/2019	12:29:58	0.0	0.0	0.0	0.0
525	4/18/2019	12:30:28	0.0	0.0	0.0	0.0
526	4/18/2019	12:30:58	0.0	0.0	0.0	0.0
527	4/18/2019	12:31:28	0.0	0.0	0.0	0.0
528	4/18/2019	12:31:58	0.0	0.0	0.0	0.0
529	4/18/2019	12:32:28	0.0	0.0	0.0	0.0
530	4/18/2019	12:32:58	0.0	0.0	0.0	0.0
531	4/18/2019	12:33:28	0.0	0.0	0.0	0.0
532	4/18/2019	12:33:58	0.0	0.0	0.0	0.0
533	4/18/2019	12:34:28	0.0	0.0	0.0	0.0
534	4/18/2019	12:34:58	0.0	0.0	0.0	0.0
535	4/18/2019	12:35:28	0.0	0.0	0.0	0.0
536	4/18/2019	12:35:58	0.0	0.0	0.0	0.0
537	4/18/2019	12:36:28	0.0	0.0	0.0	0.0
538	4/18/2019	12:36:58	0.0	0.0	0.0	0.0

539	4/18/2019	12:37:28	0.0	0.0	0.0	0.0
540	4/18/2019	12:37:58	0.0	0.0	0.0	0.0
541	4/18/2019	12:38:28	0.0	0.0	0.0	0.0
542	4/18/2019	12:38:58	0.0	0.0	0.0	0.0
543	4/18/2019	12:39:28	0.0	0.0	0.0	0.0
544	4/18/2019	12:39:58	0.0	0.0	0.0	0.0
545	4/18/2019	12:40:28	0.0	0.0	0.0	0.0
546	4/18/2019	12:40:58	0.0	0.0	0.0	0.0
547	4/18/2019	12:41:28	0.0	0.0	0.0	0.0
548	4/18/2019	12:41:58	0.0	0.0	0.0	0.0
549	4/18/2019	12:42:28	0.0	0.0	0.0	0.0
550	4/18/2019	12:42:58	0.0	0.0	0.0	0.0
551	4/18/2019	12:43:28	0.0	0.0	0.0	0.0
552	4/18/2019	12:43:58	0.0	0.0	0.0	0.0
553	4/18/2019	12:44:28	0.0	0.0	0.0	0.0
554	4/18/2019	12:44:58	0.0	0.0	0.0	0.0
555	4/18/2019	12:45:28	0.0	0.0	0.0	0.0
556	4/18/2019	12:45:58	0.0	0.0	0.0	0.0
557	4/18/2019	12:46:28	0.0	0.0	0.0	0.0
558	4/18/2019	12:46:58	0.0	0.0	0.0	0.0
559	4/18/2019	12:47:28	0.0	0.0	0.0	0.0
560	4/18/2019	12:47:58	0.0	0.0	0.0	0.0
561	4/18/2019	12:48:28	0.0	0.0	0.0	0.0
562	4/18/2019	12:48:58	0.0	0.0	0.0	0.0
563	4/18/2019	12:49:28	0.0	0.0	0.0	0.0
564	4/18/2019	12:49:58	0.0	0.0	0.0	0.0
565	4/18/2019	12:50:28	0.0	0.0	0.0	0.0
566	4/18/2019	12:50:58	0.0	0.0	0.0	0.0
567	4/18/2019	12:51:28	0.0	0.0	0.0	0.0
568	4/18/2019	12:51:58	0.0	0.0	0.0	0.0
569	4/18/2019	12:52:28	0.0	0.0	0.0	0.0
570	4/18/2019	12:52:58	0.0	0.0	0.0	0.0
571	4/18/2019	12:53:28	0.0	0.0	0.0	0.0
572	4/18/2019	12:53:58	0.0	0.0	0.0	0.0
573	4/18/2019	12:54:28	0.0	0.0	0.0	0.0
574	4/18/2019	12:54:58	0.0	0.0	0.0	0.0
575	4/18/2019	12:55:28	0.0	0.0	0.0	0.0
576	4/18/2019	12:55:58	0.0	0.0	0.0	0.0
577	4/18/2019	12:56:28	0.0	0.0	0.0	0.0
578	4/18/2019	12:56:58	0.0	0.0	0.0	0.0
579	4/18/2019	12:57:28	0.0	0.0	0.0	0.0
580	4/18/2019	12:57:58	0.0	0.0	0.0	0.0
581	4/18/2019	12:58:28	0.0	0.0	0.0	0.0
582	4/18/2019	12:58:58	0.0	0.0	0.0	0.0
583	4/18/2019	12:59:28	0.0	0.0	0.0	0.0
584	4/18/2019	12:59:58	0.0	0.0	0.0	0.0
585	4/18/2019	13:00:28	0.0	0.0	0.0	0.0
586	4/18/2019	13:00:58	0.0	0.0	0.0	0.0
587	4/18/2019	13:01:28	0.0	0.0	0.0	0.0
588	4/18/2019	13:01:58	0.0	0.0	0.0	0.0

589	4/18/2019	13:02:28	0.0	0.0	0.0	0.0
590	4/18/2019	13:02:58	0.0	0.0	0.0	0.0
591	4/18/2019	13:03:28	0.0	0.0	0.0	0.0
592	4/18/2019	13:03:58	0.0	0.0	0.0	0.0
593	4/18/2019	13:04:28	0.0	0.0	0.0	0.0
594	4/18/2019	13:04:58	0.0	0.0	0.0	0.0
595	4/18/2019	13:05:28	0.0	0.0	0.0	0.0
596	4/18/2019	13:05:58	0.0	0.0	0.0	0.0
597	4/18/2019	13:06:28	0.0	0.0	0.0	0.0
598	4/18/2019	13:06:58	0.0	0.0	0.0	0.0
599	4/18/2019	13:07:28	0.0	0.0	0.0	0.0
600	4/18/2019	13:07:58	0.0	0.0	0.0	0.0
601	4/18/2019	13:08:28	0.0	0.0	0.0	0.0
602	4/18/2019	13:08:58	0.0	0.0	0.0	0.0
603	4/18/2019	13:09:28	0.0	0.0	0.0	0.0
604	4/18/2019	13:09:58	0.0	0.0	0.0	0.0
605	4/18/2019	13:10:28	0.0	0.0	0.0	0.0
606	4/18/2019	13:10:58	0.0	0.0	0.0	0.0
607	4/18/2019	13:11:28	0.0	0.0	0.0	0.0
608	4/18/2019	13:11:58	0.0	0.0	0.0	0.0
609	4/18/2019	13:12:28	0.0	0.0	0.0	0.0
610	4/18/2019	13:12:58	0.0	0.0	0.0	0.0
611	4/18/2019	13:13:28	0.0	0.0	0.0	0.0
612	4/18/2019	13:13:58	0.0	0.0	0.0	0.0
613	4/18/2019	13:14:28	0.0	0.0	0.0	0.0
614	4/18/2019	13:14:58	0.0	0.0	0.0	0.0
615	4/18/2019	13:15:28	0.0	0.0	0.0	0.0
616	4/18/2019	13:15:58	0.0	0.0	0.0	0.0
617	4/18/2019	13:16:28	0.0	0.0	0.0	0.0
618	4/18/2019	13:16:58	0.0	0.0	0.0	0.0
619	4/18/2019	13:17:28	0.0	0.0	0.0	0.0
620	4/18/2019	13:17:58	0.0	0.0	0.0	0.0
621	4/18/2019	13:18:28	0.0	0.0	0.0	0.0
622	4/18/2019	13:18:58	0.0	0.0	0.0	0.0
623	4/18/2019	13:19:28	0.0	0.0	0.0	0.0
624	4/18/2019	13:19:58	0.0	0.0	0.0	0.0
625	4/18/2019	13:20:28	0.0	0.0	0.0	0.0
626	4/18/2019	13:20:58	0.0	0.0	0.0	0.0
627	4/18/2019	13:21:28	0.0	0.0	0.0	0.0
628	4/18/2019	13:21:58	0.0	0.0	0.0	0.0
629	4/18/2019	13:22:28	0.0	0.0	0.0	0.0
630	4/18/2019	13:22:58	0.0	0.0	0.0	0.0
631	4/18/2019	13:23:28	0.0	0.0	0.0	0.0
632	4/18/2019	13:23:58	0.0	0.0	0.0	0.0
633	4/18/2019	13:24:28	0.0	0.0	0.0	0.0
634	4/18/2019	13:24:58	0.0	0.0	0.0	0.0
635	4/18/2019	13:25:28	0.0	0.0	0.0	0.0
636	4/18/2019	13:25:58	0.0	0.0	0.0	0.0
637	4/18/2019	13:26:28	0.0	0.0	0.0	0.0
638	4/18/2019	13:26:58	0.0	0.0	0.0	0.0

639	4/18/2019	13:27:28	0.0	0.0	0.0	0.0
640	4/18/2019	13:27:58	0.0	0.0	0.0	0.0
641	4/18/2019	13:28:28	0.0	0.0	0.0	0.0
642	4/18/2019	13:28:58	0.0	0.0	0.0	0.0
643	4/18/2019	13:29:28	0.0	0.0	0.0	0.0
644	4/18/2019	13:29:58	0.0	0.0	0.0	0.0
645	4/18/2019	13:30:28	0.0	0.0	0.0	0.0
646	4/18/2019	13:30:58	0.0	0.0	0.0	0.0
647	4/18/2019	13:31:28	0.0	0.0	0.0	0.0
648	4/18/2019	13:31:58	0.0	0.0	0.0	0.0
649	4/18/2019	13:32:28	0.0	0.0	0.0	0.0
650	4/18/2019	13:32:58	0.0	0.0	0.0	0.0
651	4/18/2019	13:33:28	0.0	0.0	0.0	0.0
652	4/18/2019	13:33:58	0.0	0.0	0.0	0.0
653	4/18/2019	13:34:28	0.0	0.0	0.0	0.0
654	4/18/2019	13:34:58	0.0	0.0	0.0	0.0
655	4/18/2019	13:35:28	0.0	0.0	0.0	0.0
656	4/18/2019	13:35:58	0.0	0.0	0.0	0.0
657	4/18/2019	13:36:28	0.0	0.0	0.0	0.0
658	4/18/2019	13:36:58	0.0	0.0	0.0	0.0
659	4/18/2019	13:37:28	0.0	0.0	0.0	0.0
660	4/18/2019	13:37:58	0.0	0.0	0.0	0.0
661	4/18/2019	13:38:28	0.0	0.0	0.0	0.0
662	4/18/2019	13:38:58	0.0	0.0	0.0	0.0
663	4/18/2019	13:39:28	0.0	0.0	0.0	0.0
664	4/18/2019	13:39:58	0.0	0.0	0.0	0.0
665	4/18/2019	13:40:28	0.0	0.0	0.0	0.0
666	4/18/2019	13:40:58	0.0	0.0	0.0	0.0
667	4/18/2019	13:41:28	0.0	0.0	0.0	0.0
668	4/18/2019	13:41:58	0.0	0.0	0.0	0.0
669	4/18/2019	13:42:28	0.0	0.0	0.0	0.0
670	4/18/2019	13:42:58	0.0	0.0	0.0	0.0
671	4/18/2019	13:43:28	0.0	0.0	0.0	0.0
672	4/18/2019	13:43:58	0.0	0.0	0.0	0.0
673	4/18/2019	13:44:28	0.0	0.0	0.0	0.0
674	4/18/2019	13:44:58	0.0	0.0	0.0	0.0
675	4/18/2019	13:45:28	0.0	0.0	0.0	0.0
676	4/18/2019	13:45:58	0.0	0.0	0.0	0.0
677	4/18/2019	13:46:28	0.0	0.0	0.0	0.0
678	4/18/2019	13:46:58	0.0	0.0	0.0	0.0
679	4/18/2019	13:47:28	0.0	0.0	0.0	0.0
680	4/18/2019	13:47:58	0.0	0.0	0.0	0.0
681	4/18/2019	13:48:28	0.0	0.0	0.0	0.0
682	4/18/2019	13:48:58	0.0	0.0	0.0	0.0
683	4/18/2019	13:49:28	0.0	0.0	0.0	0.0
684	4/18/2019	13:49:58	0.0	0.0	0.0	0.0
685	4/18/2019	13:50:28	0.0	0.0	0.0	0.0
686	4/18/2019	13:50:58	0.0	0.0	0.0	0.0
687	4/18/2019	13:51:28	0.0	0.0	0.0	0.0
688	4/18/2019	13:51:58	0.0	0.0	0.0	0.0

689	4/18/2019	13:52:28	0.0	0.0	0.0	0.0
690	4/18/2019	13:52:58	0.0	0.0	0.0	0.0
691	4/18/2019	13:53:28	0.0	0.0	0.0	0.0
692	4/18/2019	13:53:58	0.0	0.0	0.0	0.0
693	4/18/2019	13:54:28	0.0	0.0	0.0	0.0
694	4/18/2019	13:54:58	0.0	0.0	0.0	0.0
695	4/18/2019	13:55:28	0.0	0.0	0.0	0.0
696	4/18/2019	13:55:58	0.0	0.0	0.0	0.0
697	4/18/2019	13:56:28	0.0	0.0	0.0	0.0
698	4/18/2019	13:56:58	0.0	0.0	0.0	0.0
699	4/18/2019	13:57:28	0.0	0.0	0.0	0.0
700	4/18/2019	13:57:58	0.0	0.0	0.0	0.0
701	4/18/2019	13:58:28	0.0	0.0	0.0	0.0
702	4/18/2019	13:58:58	0.0	0.0	0.0	0.0
703	4/18/2019	13:59:28	0.0	0.0	0.0	0.0
704	4/18/2019	13:59:58	0.0	0.0	0.0	0.0
705	4/18/2019	14:00:28	0.0	0.0	0.0	0.0
706	4/18/2019	14:00:58	0.0	0.0	0.0	0.0
707	4/18/2019	14:01:28	0.0	0.0	0.0	0.0
708	4/18/2019	14:01:58	0.0	0.0	0.0	0.0
709	4/18/2019	14:02:28	0.0	0.0	0.0	0.0
710	4/18/2019	14:02:58	0.0	0.0	0.0	0.0
711	4/18/2019	14:03:28	0.0	0.0	0.0	0.0
712	4/18/2019	14:03:58	0.0	0.0	0.0	0.0
713	4/18/2019	14:04:28	0.0	0.0	0.0	0.0
714	4/18/2019	14:04:58	0.0	0.0	0.0	0.0
715	4/18/2019	14:05:28	0.0	0.0	0.0	0.0
716	4/18/2019	14:05:58	0.0	0.0	0.0	0.0
717	4/18/2019	14:06:28	0.0	0.0	0.0	0.0
718	4/18/2019	14:06:58	0.0	0.0	0.0	0.0
719	4/18/2019	14:07:28	0.0	0.0	0.0	0.0
720	4/18/2019	14:07:58	0.0	0.0	0.0	0.0
721	4/18/2019	14:08:28	0.0	0.0	0.0	0.0
722	4/18/2019	14:08:58	0.0	0.0	0.0	0.0
723	4/18/2019	14:09:28	0.0	0.0	0.0	0.0
724	4/18/2019	14:09:58	0.0	0.0	0.0	0.0
725	4/18/2019	14:10:28	0.0	0.0	0.0	0.0
726	4/18/2019	14:10:58	0.0	0.0	0.0	0.0
727	4/18/2019	14:11:28	0.0	0.0	0.0	0.0
728	4/18/2019	14:11:58	0.0	0.0	0.0	0.0
729	4/18/2019	14:12:28	0.0	0.0	0.0	0.0
730	4/18/2019	14:12:58	0.0	0.0	0.0	0.0
731	4/18/2019	14:13:28	0.0	0.0	0.0	0.0
732	4/18/2019	14:13:58	0.0	0.0	0.0	0.0
733	4/18/2019	14:14:28	0.0	0.0	0.0	0.0
734	4/18/2019	14:14:58	0.0	0.0	0.0	0.0
735	4/18/2019	14:15:28	0.0	0.0	0.0	0.0
736	4/18/2019	14:15:58	0.0	0.0	0.0	0.0
737	4/18/2019	14:16:28	0.0	0.0	0.0	0.0
738	4/18/2019	14:16:58	0.0	0.0	0.0	0.0

739	4/18/2019 14:17:28	0.0	0.0	0.0	0.0
740	4/18/2019 14:17:58	0.0	0.0	0.0	0.0
741	4/18/2019 14:18:28	0.0	0.0	0.0	0.0
742	4/18/2019 14:18:58	0.0	0.0	0.0	0.0
743	4/18/2019 14:19:28	0.0	0.0	0.0	0.0
744	4/18/2019 14:19:58	0.0	0.0	0.0	0.0
745	4/18/2019 14:20:28	0.0	0.0	0.0	0.0
746	4/18/2019 14:20:58	0.0	0.0	0.0	0.0
747	4/18/2019 14:21:28	0.0	0.0	0.0	0.0
748	4/18/2019 14:21:58	0.0	0.0	0.0	0.0
749	4/18/2019 14:22:28	0.0	0.0	0.0	0.0
750	4/18/2019 14:22:58	0.0	0.0	0.0	0.0
751	4/18/2019 14:23:28	0.0	0.0	0.0	0.0
752	4/18/2019 14:23:58	0.0	0.0	0.0	0.0
753	4/18/2019 14:24:28	0.0	0.0	0.0	0.0
754	4/18/2019 14:24:58	0.0	0.0	0.0	0.0
755	4/18/2019 14:25:28	0.0	0.0	0.0	0.0
756	4/18/2019 14:25:58	0.0	0.0	0.0	0.0
757	4/18/2019 14:26:28	0.0	0.0	0.0	0.0
758	4/18/2019 14:26:58	0.0	0.0	0.0	0.0
759	4/18/2019 14:27:28	0.0	0.0	0.0	0.0
760	4/18/2019 14:27:58	0.0	0.0	0.0	0.0
Peak		0.0	0.7	3.2	1.6
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	4/18/2019 08:08:28	0.0	---
002	4/18/2019 08:08:58	0.0	---
003	4/18/2019 08:09:28	0.0	---
004	4/18/2019 08:09:58	0.0	---
005	4/18/2019 08:10:28	0.0	---
006	4/18/2019 08:10:58	0.0	---
007	4/18/2019 08:11:28	0.0	---
008	4/18/2019 08:11:58	0.0	---
009	4/18/2019 08:12:28	0.0	---
010	4/18/2019 08:12:58	0.0	---
011	4/18/2019 08:13:28	0.0	---
012	4/18/2019 08:13:58	0.0	---
013	4/18/2019 08:14:28	0.0	---
014	4/18/2019 08:14:58	0.0	---
015	4/18/2019 08:15:28	0.0	---
016	4/18/2019 08:15:58	0.0	---
017	4/18/2019 08:16:28	0.0	---
018	4/18/2019 08:16:58	0.0	---
019	4/18/2019 08:17:28	0.0	---
020	4/18/2019 08:17:58	0.0	---

021	4/18/2019 08:18:28	0.0	---
022	4/18/2019 08:18:58	0.0	---
023	4/18/2019 08:19:28	0.0	---
024	4/18/2019 08:19:58	0.0	---
025	4/18/2019 08:20:28	0.0	---
026	4/18/2019 08:20:58	0.0	---
027	4/18/2019 08:21:28	0.0	---
028	4/18/2019 08:21:58	0.0	---
029	4/18/2019 08:22:28	0.0	---
030	4/18/2019 08:22:58	0.0	0.0
031	4/18/2019 08:23:28	0.0	0.0
032	4/18/2019 08:23:58	0.0	0.0
033	4/18/2019 08:24:28	0.0	0.0
034	4/18/2019 08:24:58	0.0	0.0
035	4/18/2019 08:25:28	0.0	0.0
036	4/18/2019 08:25:58	0.0	0.0
037	4/18/2019 08:26:28	0.0	0.0
038	4/18/2019 08:26:58	0.0	0.0
039	4/18/2019 08:27:28	0.0	0.0
040	4/18/2019 08:27:58	0.0	0.0
041	4/18/2019 08:28:28	0.0	0.0
042	4/18/2019 08:28:58	0.0	0.0
043	4/18/2019 08:29:28	0.0	0.0
044	4/18/2019 08:29:58	0.0	0.0
045	4/18/2019 08:30:28	0.0	0.0
046	4/18/2019 08:30:58	0.0	0.0
047	4/18/2019 08:31:28	0.0	0.0
048	4/18/2019 08:31:58	0.0	0.0
049	4/18/2019 08:32:28	0.0	0.0
050	4/18/2019 08:32:58	0.0	0.0
051	4/18/2019 08:33:28	0.0	0.0
052	4/18/2019 08:33:58	0.0	0.0
053	4/18/2019 08:34:28	0.0	0.0
054	4/18/2019 08:34:58	0.0	0.0
055	4/18/2019 08:35:28	0.0	0.0
056	4/18/2019 08:35:58	0.0	0.0
057	4/18/2019 08:36:28	0.0	0.0
058	4/18/2019 08:36:58	0.0	0.0
059	4/18/2019 08:37:28	0.0	0.0
060	4/18/2019 08:37:58	0.0	0.0
061	4/18/2019 08:38:28	0.0	0.0
062	4/18/2019 08:38:58	0.0	0.0
063	4/18/2019 08:39:28	0.0	0.0
064	4/18/2019 08:39:58	0.0	0.0
065	4/18/2019 08:40:28	0.0	0.0
066	4/18/2019 08:40:58	0.0	0.0
067	4/18/2019 08:41:28	0.0	0.0
068	4/18/2019 08:41:58	0.0	0.0
069	4/18/2019 08:42:28	0.0	0.0
070	4/18/2019 08:42:58	0.0	0.0

071	4/18/2019	08:43:28	0.0	0.0
072	4/18/2019	08:43:58	0.0	0.0
073	4/18/2019	08:44:28	0.0	0.0
074	4/18/2019	08:44:58	0.0	0.0
075	4/18/2019	08:45:28	0.0	0.0
076	4/18/2019	08:45:58	0.0	0.0
077	4/18/2019	08:46:28	0.0	0.0
078	4/18/2019	08:46:58	0.0	0.0
079	4/18/2019	08:47:28	0.0	0.0
080	4/18/2019	08:47:58	0.0	0.0
081	4/18/2019	08:48:28	0.0	0.0
082	4/18/2019	08:48:58	0.0	0.0
083	4/18/2019	08:49:28	0.0	0.0
084	4/18/2019	08:49:58	0.0	0.0
085	4/18/2019	08:50:28	0.0	0.0
086	4/18/2019	08:50:58	0.0	0.0
087	4/18/2019	08:51:28	0.0	0.0
088	4/18/2019	08:51:58	0.0	0.0
089	4/18/2019	08:52:28	0.0	0.0
090	4/18/2019	08:52:58	0.0	0.0
091	4/18/2019	08:53:28	0.0	0.0
092	4/18/2019	08:53:58	0.0	0.0
093	4/18/2019	08:54:28	0.0	0.0
094	4/18/2019	08:54:58	0.0	0.0
095	4/18/2019	08:55:28	0.0	0.0
096	4/18/2019	08:55:58	0.0	0.0
097	4/18/2019	08:56:28	0.0	0.0
098	4/18/2019	08:56:58	0.0	0.0
099	4/18/2019	08:57:28	0.0	0.0
100	4/18/2019	08:57:58	0.0	0.0
101	4/18/2019	08:58:28	0.0	0.0
102	4/18/2019	08:58:58	0.0	0.0
103	4/18/2019	08:59:28	0.0	0.0
104	4/18/2019	08:59:58	0.0	0.0
105	4/18/2019	09:00:28	0.0	0.0
106	4/18/2019	09:00:58	0.0	0.0
107	4/18/2019	09:01:28	0.0	0.0
108	4/18/2019	09:01:58	0.0	0.0
109	4/18/2019	09:02:28	0.0	0.0
110	4/18/2019	09:02:58	0.0	0.0
111	4/18/2019	09:03:28	0.0	0.0
112	4/18/2019	09:03:58	0.0	0.0
113	4/18/2019	09:04:28	0.0	0.0
114	4/18/2019	09:04:58	0.0	0.0
115	4/18/2019	09:05:28	0.0	0.0
116	4/18/2019	09:05:58	0.0	0.0
117	4/18/2019	09:06:28	0.0	0.0
118	4/18/2019	09:06:58	0.0	0.0
119	4/18/2019	09:07:28	0.0	0.0
120	4/18/2019	09:07:58	0.0	0.0

121	4/18/2019	09:08:28	0.0	0.0
122	4/18/2019	09:08:58	0.0	0.0
123	4/18/2019	09:09:28	0.0	0.0
124	4/18/2019	09:09:58	0.0	0.0
125	4/18/2019	09:10:28	0.0	0.0
126	4/18/2019	09:10:58	0.0	0.0
127	4/18/2019	09:11:28	0.0	0.0
128	4/18/2019	09:11:58	0.0	0.0
129	4/18/2019	09:12:28	0.0	0.0
130	4/18/2019	09:12:58	0.0	0.0
131	4/18/2019	09:13:28	0.0	0.0
132	4/18/2019	09:13:58	0.0	0.0
133	4/18/2019	09:14:28	0.0	0.0
134	4/18/2019	09:14:58	0.0	0.0
135	4/18/2019	09:15:28	0.0	0.0
136	4/18/2019	09:15:58	0.0	0.0
137	4/18/2019	09:16:28	0.0	0.0
138	4/18/2019	09:16:58	0.0	0.0
139	4/18/2019	09:17:28	0.0	0.0
140	4/18/2019	09:17:58	0.0	0.0
141	4/18/2019	09:18:28	0.0	0.0
142	4/18/2019	09:18:58	0.0	0.0
143	4/18/2019	09:19:28	0.0	0.0
144	4/18/2019	09:19:58	0.0	0.0
145	4/18/2019	09:20:28	0.0	0.0
146	4/18/2019	09:20:58	0.0	0.0
147	4/18/2019	09:21:28	0.0	0.0
148	4/18/2019	09:21:58	0.0	0.0
149	4/18/2019	09:22:28	0.0	0.0
150	4/18/2019	09:22:58	0.0	0.0
151	4/18/2019	09:23:28	0.0	0.0
152	4/18/2019	09:23:58	0.0	0.0
153	4/18/2019	09:24:28	0.0	0.0
154	4/18/2019	09:24:58	0.0	0.0
155	4/18/2019	09:25:28	0.0	0.0
156	4/18/2019	09:25:58	0.0	0.0
157	4/18/2019	09:26:28	0.0	0.0
158	4/18/2019	09:26:58	0.0	0.0
159	4/18/2019	09:27:28	0.0	0.0
160	4/18/2019	09:27:58	0.0	0.0
161	4/18/2019	09:28:28	0.0	0.0
162	4/18/2019	09:28:58	0.0	0.0
163	4/18/2019	09:29:28	0.0	0.0
164	4/18/2019	09:29:58	0.0	0.0
165	4/18/2019	09:30:28	0.0	0.0
166	4/18/2019	09:30:58	0.0	0.0
167	4/18/2019	09:31:28	0.0	0.0
168	4/18/2019	09:31:58	0.0	0.0
169	4/18/2019	09:32:28	0.0	0.0
170	4/18/2019	09:32:58	0.0	0.0

171	4/18/2019 09:33:28	0.0	0.0
172	4/18/2019 09:33:58	0.0	0.0
173	4/18/2019 09:34:28	0.0	0.0
174	4/18/2019 09:34:58	0.0	0.0
175	4/18/2019 09:35:28	0.0	0.0
176	4/18/2019 09:35:58	0.0	0.0
177	4/18/2019 09:36:28	0.0	0.0
178	4/18/2019 09:36:58	0.0	0.0
179	4/18/2019 09:37:28	0.0	0.0
180	4/18/2019 09:37:58	0.0	0.0
181	4/18/2019 09:38:28	0.0	0.0
182	4/18/2019 09:38:58	0.0	0.0
183	4/18/2019 09:39:28	0.0	0.0
184	4/18/2019 09:39:58	0.0	0.0
185	4/18/2019 09:40:28	0.0	0.0
186	4/18/2019 09:40:58	0.0	0.0
187	4/18/2019 09:41:28	0.0	0.0
188	4/18/2019 09:41:58	0.0	0.0
189	4/18/2019 09:42:28	0.0	0.0
190	4/18/2019 09:42:58	0.0	0.0
191	4/18/2019 09:43:28	0.0	0.0
192	4/18/2019 09:43:58	0.0	0.0
193	4/18/2019 09:44:28	0.0	0.0
194	4/18/2019 09:44:58	0.0	0.0
195	4/18/2019 09:45:28	0.0	0.0
196	4/18/2019 09:45:58	0.0	0.0
197	4/18/2019 09:46:28	0.0	0.0
198	4/18/2019 09:46:58	0.0	0.0
199	4/18/2019 09:47:28	0.0	0.0
200	4/18/2019 09:47:58	0.0	0.0
201	4/18/2019 09:48:28	0.0	0.0
202	4/18/2019 09:48:58	0.0	0.0
203	4/18/2019 09:49:28	0.0	0.0
204	4/18/2019 09:49:58	0.0	0.0
205	4/18/2019 09:50:28	0.0	0.0
206	4/18/2019 09:50:58	0.0	0.0
207	4/18/2019 09:51:28	0.0	0.0
208	4/18/2019 09:51:58	0.0	0.0
209	4/18/2019 09:52:28	0.0	0.0
210	4/18/2019 09:52:58	0.0	0.0
211	4/18/2019 09:53:28	0.0	0.0
212	4/18/2019 09:53:58	0.0	0.0
213	4/18/2019 09:54:28	0.0	0.0
214	4/18/2019 09:54:58	0.0	0.0
215	4/18/2019 09:55:28	0.0	0.0
216	4/18/2019 09:55:58	0.0	0.0
217	4/18/2019 09:56:28	0.0	0.0
218	4/18/2019 09:56:58	0.0	0.0
219	4/18/2019 09:57:28	0.0	0.0
220	4/18/2019 09:57:58	0.0	0.0

221	4/18/2019 09:58:28	0.0	0.0
222	4/18/2019 09:58:58	0.0	0.0
223	4/18/2019 09:59:28	0.0	0.0
224	4/18/2019 09:59:58	0.0	0.0
225	4/18/2019 10:00:28	0.0	0.0
226	4/18/2019 10:00:58	0.0	0.0
227	4/18/2019 10:01:28	0.0	0.0
228	4/18/2019 10:01:58	0.0	0.0
229	4/18/2019 10:02:28	0.0	0.0
230	4/18/2019 10:02:58	0.0	0.0
231	4/18/2019 10:03:28	0.0	0.0
232	4/18/2019 10:03:58	0.0	0.0
233	4/18/2019 10:04:28	0.0	0.0
234	4/18/2019 10:04:58	0.0	0.0
235	4/18/2019 10:05:28	0.0	0.0
236	4/18/2019 10:05:58	0.0	0.0
237	4/18/2019 10:06:28	0.0	0.0
238	4/18/2019 10:06:58	0.0	0.0
239	4/18/2019 10:07:28	0.0	0.0
240	4/18/2019 10:07:58	0.0	0.0
241	4/18/2019 10:08:28	0.0	0.0
242	4/18/2019 10:08:58	0.0	0.0
243	4/18/2019 10:09:28	0.0	0.0
244	4/18/2019 10:09:58	0.0	0.0
245	4/18/2019 10:10:28	0.0	0.0
246	4/18/2019 10:10:58	0.0	0.0
247	4/18/2019 10:11:28	0.0	0.0
248	4/18/2019 10:11:58	0.0	0.0
249	4/18/2019 10:12:28	0.0	0.0
250	4/18/2019 10:12:58	0.0	0.0
251	4/18/2019 10:13:28	0.0	0.0
252	4/18/2019 10:13:58	0.0	0.0
253	4/18/2019 10:14:28	0.0	0.0
254	4/18/2019 10:14:58	0.0	0.0
255	4/18/2019 10:15:28	0.0	0.0
256	4/18/2019 10:15:58	0.0	0.0
257	4/18/2019 10:16:28	0.0	0.0
258	4/18/2019 10:16:58	0.0	0.0
259	4/18/2019 10:17:28	0.0	0.0
260	4/18/2019 10:17:58	0.0	0.0
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262	4/18/2019 10:18:58	0.0	0.0
263	4/18/2019 10:19:28	0.0	0.0
264	4/18/2019 10:19:58	0.0	0.0
265	4/18/2019 10:20:28	0.0	0.0
266	4/18/2019 10:20:58	0.0	0.0
267	4/18/2019 10:21:28	0.0	0.0
268	4/18/2019 10:21:58	0.0	0.0
269	4/18/2019 10:22:28	0.0	0.0
270	4/18/2019 10:22:58	0.0	0.0

271	4/18/2019 10:23:28	0.0	0.0
272	4/18/2019 10:23:58	0.0	0.0
273	4/18/2019 10:24:28	0.0	0.0
274	4/18/2019 10:24:58	0.0	0.0
275	4/18/2019 10:25:28	0.0	0.0
276	4/18/2019 10:25:58	0.0	0.0
277	4/18/2019 10:26:28	0.0	0.0
278	4/18/2019 10:26:58	0.0	0.0
279	4/18/2019 10:27:28	0.0	0.0
280	4/18/2019 10:27:58	0.0	0.0
281	4/18/2019 10:28:28	0.0	0.0
282	4/18/2019 10:28:58	0.0	0.0
283	4/18/2019 10:29:28	0.0	0.0
284	4/18/2019 10:29:58	0.0	0.0
285	4/18/2019 10:30:28	0.0	0.0
286	4/18/2019 10:30:58	0.0	0.0
287	4/18/2019 10:31:28	0.0	0.0
288	4/18/2019 10:31:58	0.0	0.0
289	4/18/2019 10:32:28	0.0	0.0
290	4/18/2019 10:32:58	0.0	0.0
291	4/18/2019 10:33:28	0.0	0.0
292	4/18/2019 10:33:58	0.0	0.0
293	4/18/2019 10:34:28	0.0	0.0
294	4/18/2019 10:34:58	0.0	0.0
295	4/18/2019 10:35:28	0.0	0.0
296	4/18/2019 10:35:58	0.0	0.0
297	4/18/2019 10:36:28	0.0	0.0
298	4/18/2019 10:36:58	0.0	0.0
299	4/18/2019 10:37:28	0.0	0.0
300	4/18/2019 10:37:58	0.0	0.0
301	4/18/2019 10:38:28	0.0	0.0
302	4/18/2019 10:38:58	0.0	0.0
303	4/18/2019 10:39:28	0.0	0.0
304	4/18/2019 10:39:58	0.0	0.0
305	4/18/2019 10:40:28	0.0	0.0
306	4/18/2019 10:40:58	0.0	0.0
307	4/18/2019 10:41:28	0.0	0.0
308	4/18/2019 10:41:58	0.0	0.0
309	4/18/2019 10:42:28	0.0	0.0
310	4/18/2019 10:42:58	0.0	0.0
311	4/18/2019 10:43:28	0.0	0.0
312	4/18/2019 10:43:58	0.0	0.0
313	4/18/2019 10:44:28	0.0	0.0
314	4/18/2019 10:44:58	0.0	0.0
315	4/18/2019 10:45:28	0.0	0.0
316	4/18/2019 10:45:58	0.0	0.0
317	4/18/2019 10:46:28	0.0	0.0
318	4/18/2019 10:46:58	0.0	0.0
319	4/18/2019 10:47:28	0.0	0.0
320	4/18/2019 10:47:58	0.0	0.0

321	4/18/2019	10:48:28	0.0	0.0
322	4/18/2019	10:48:58	0.0	0.0
323	4/18/2019	10:49:28	0.0	0.0
324	4/18/2019	10:49:58	0.0	0.0
325	4/18/2019	10:50:28	0.0	0.0
326	4/18/2019	10:50:58	0.0	0.0
327	4/18/2019	10:51:28	0.0	0.0
328	4/18/2019	10:51:58	0.0	0.0
329	4/18/2019	10:52:28	0.0	0.0
330	4/18/2019	10:52:58	0.0	0.0
331	4/18/2019	10:53:28	0.0	0.0
332	4/18/2019	10:53:58	0.0	0.0
333	4/18/2019	10:54:28	0.0	0.0
334	4/18/2019	10:54:58	0.0	0.0
335	4/18/2019	10:55:28	0.0	0.0
336	4/18/2019	10:55:58	0.0	0.0
337	4/18/2019	10:56:28	0.0	0.0
338	4/18/2019	10:56:58	0.0	0.0
339	4/18/2019	10:57:28	0.0	0.0
340	4/18/2019	10:57:58	0.0	0.0
341	4/18/2019	10:58:28	0.0	0.0
342	4/18/2019	10:58:58	0.0	0.0
343	4/18/2019	10:59:28	0.0	0.0
344	4/18/2019	10:59:58	0.0	0.0
345	4/18/2019	11:00:28	0.0	0.0
346	4/18/2019	11:00:58	0.0	0.0
347	4/18/2019	11:01:28	0.0	0.0
348	4/18/2019	11:01:58	0.0	0.0
349	4/18/2019	11:02:28	0.0	0.0
350	4/18/2019	11:02:58	0.0	0.0
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717	4/18/2019 14:06:28	0.0	0.0
718	4/18/2019 14:06:58	0.0	0.0
719	4/18/2019 14:07:28	0.0	0.0
720	4/18/2019 14:07:58	0.0	0.0

721	4/18/2019 14:08:28	0.0	0.0
722	4/18/2019 14:08:58	0.0	0.0
723	4/18/2019 14:09:28	0.0	0.0
724	4/18/2019 14:09:58	0.0	0.0
725	4/18/2019 14:10:28	0.0	0.0
726	4/18/2019 14:10:58	0.0	0.0
727	4/18/2019 14:11:28	0.0	0.0
728	4/18/2019 14:11:58	0.0	0.0
729	4/18/2019 14:12:28	0.0	0.0
730	4/18/2019 14:12:58	0.0	0.0
731	4/18/2019 14:13:28	0.0	0.0
732	4/18/2019 14:13:58	0.0	0.0
733	4/18/2019 14:14:28	0.0	0.0
734	4/18/2019 14:14:58	0.0	0.0
735	4/18/2019 14:15:28	0.0	0.0
736	4/18/2019 14:15:58	0.0	0.0
737	4/18/2019 14:16:28	0.0	0.0
738	4/18/2019 14:16:58	0.0	0.0
739	4/18/2019 14:17:28	0.0	0.0
740	4/18/2019 14:17:58	0.0	0.0
741	4/18/2019 14:18:28	0.0	0.0
742	4/18/2019 14:18:58	0.0	0.0
743	4/18/2019 14:19:28	0.0	0.0
744	4/18/2019 14:19:58	0.0	0.0
745	4/18/2019 14:20:28	0.0	0.0
746	4/18/2019 14:20:58	0.0	0.0
747	4/18/2019 14:21:28	0.0	0.0
748	4/18/2019 14:21:58	0.0	0.0
749	4/18/2019 14:22:28	0.0	0.0
750	4/18/2019 14:22:58	0.0	0.0
751	4/18/2019 14:23:28	0.0	0.0
752	4/18/2019 14:23:58	0.0	0.0
753	4/18/2019 14:24:28	0.0	0.0
754	4/18/2019 14:24:58	0.0	0.0
755	4/18/2019 14:25:28	0.0	0.0
756	4/18/2019 14:25:58	0.0	0.0
757	4/18/2019 14:26:28	0.0	0.0
758	4/18/2019 14:26:58	0.0	0.0
759	4/18/2019 14:27:28	0.0	0.0
760	4/18/2019 14:27:58	0.0	0.0

甑==========
19/04/22 07:11
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

Running Mode Hygiene Mode

Datalog Mode	Auto
Diagnostic Mode No
Stop Reason	Pause in Menu Mode

Site ID PES00000
User ID PES00000

Begin	4/22/2019 07:11:48
End	4/22/2019 07:12:17
Sample Period(s)	30
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S0?3030298V9
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	100.0
TWA Alarm	50.0
Measurement Gas Isobutylene
Calibration Time	4/18/2019 07:38

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Datalog

0 record.

甄==========
19/04/22 07:34
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver	V2.16

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

Site ID PES00000
User ID PES00000

Begin	4/22/2019 07:34:41
End	4/22/2019 11:59:01
Sample Period(s)	30

Number of Records 528

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/22/2019 07:17
Peak 0.1
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/22/2019 07:35:11	0.0	0.1	0.1	0.0	
002	4/22/2019 07:35:41	0.0	0.0	0.0	0.0	
003	4/22/2019 07:36:11	0.0	0.0	0.0	0.0	
004	4/22/2019 07:36:41	0.0	0.0	0.0	0.0	
005	4/22/2019 07:37:11	0.0	0.0	0.0	0.0	
006	4/22/2019 07:37:41	0.0	0.0	0.0	0.0	
007	4/22/2019 07:38:11	0.0	0.0	0.0	0.0	
008	4/22/2019 07:38:41	0.0	0.0	0.0	0.0	
009	4/22/2019 07:39:11	0.0	0.0	0.0	0.0	
010	4/22/2019 07:39:41	0.0	0.0	0.0	0.0	
011	4/22/2019 07:40:11	0.0	0.0	0.0	0.0	
012	4/22/2019 07:40:41	0.0	0.0	0.0	0.0	
013	4/22/2019 07:41:11	0.0	0.0	0.0	0.0	
014	4/22/2019 07:41:41	0.0	0.0	0.0	0.0	
015	4/22/2019 07:42:11	0.0	0.0	0.0	0.0	
016	4/22/2019 07:42:41	0.0	0.0	0.0	0.0	
017	4/22/2019 07:43:11	0.0	0.0	0.0	0.0	
018	4/22/2019 07:43:41	0.0	0.0	0.0	0.0	
019	4/22/2019 07:44:11	0.0	0.0	0.0	0.0	
020	4/22/2019 07:44:41	0.0	0.0	0.0	0.0	
021	4/22/2019 07:45:11	0.0	0.0	0.0	0.0	
022	4/22/2019 07:45:41	0.0	0.0	0.0	0.0	
023	4/22/2019 07:46:11	0.0	0.0	0.0	0.0	
024	4/22/2019 07:46:41	0.0	0.0	0.0	0.0	
025	4/22/2019 07:47:11	0.0	0.0	0.0	0.0	
026	4/22/2019 07:47:41	0.0	0.0	0.0	0.0	
027	4/22/2019 07:48:11	0.0	0.0	0.0	0.0	
028	4/22/2019 07:48:41	0.0	0.0	0.0	0.0	

029	4/22/2019	07:49:11	0.0	0.0	0.0	0.0
030	4/22/2019	07:49:41	0.0	0.0	0.0	0.0
031	4/22/2019	07:50:11	0.0	0.0	0.0	0.0
032	4/22/2019	07:50:41	0.0	0.0	0.0	0.0
033	4/22/2019	07:51:11	0.0	0.0	0.0	0.0
034	4/22/2019	07:51:41	0.0	0.0	0.0	0.0
035	4/22/2019	07:52:11	0.0	0.0	0.0	0.0
036	4/22/2019	07:52:41	0.0	0.0	0.0	0.0
037	4/22/2019	07:53:11	0.0	0.0	0.0	0.0
038	4/22/2019	07:53:41	0.0	0.0	0.0	0.0
039	4/22/2019	07:54:11	0.0	0.0	0.0	0.0
040	4/22/2019	07:54:41	0.0	0.0	0.0	0.0
041	4/22/2019	07:55:11	0.0	0.0	0.0	0.0
042	4/22/2019	07:55:41	0.0	0.0	0.0	0.0
043	4/22/2019	07:56:11	0.0	0.0	0.0	0.0
044	4/22/2019	07:56:41	0.0	0.0	0.0	0.0
045	4/22/2019	07:57:11	0.0	0.0	0.0	0.0
046	4/22/2019	07:57:41	0.0	0.0	0.0	0.0
047	4/22/2019	07:58:11	0.0	0.0	0.0	0.0
048	4/22/2019	07:58:41	0.0	0.0	0.0	0.0
049	4/22/2019	07:59:11	0.0	0.0	0.0	0.0
050	4/22/2019	07:59:41	0.0	0.0	0.0	0.0
051	4/22/2019	08:00:11	0.0	0.0	0.0	0.0
052	4/22/2019	08:00:41	0.0	0.0	0.0	0.0
053	4/22/2019	08:01:11	0.0	0.0	0.0	0.0
054	4/22/2019	08:01:41	0.0	0.0	0.0	0.0
055	4/22/2019	08:02:11	0.0	0.0	0.0	0.0
056	4/22/2019	08:02:41	0.0	0.0	0.0	0.0
057	4/22/2019	08:03:11	0.0	0.0	0.0	0.0
058	4/22/2019	08:03:41	0.0	0.0	0.0	0.0
059	4/22/2019	08:04:11	0.0	0.0	0.0	0.0
060	4/22/2019	08:04:41	0.0	0.0	0.0	0.0
061	4/22/2019	08:05:11	0.0	0.0	0.0	0.0
062	4/22/2019	08:05:41	0.0	0.0	0.0	0.0
063	4/22/2019	08:06:11	0.0	0.0	0.0	0.0
064	4/22/2019	08:06:41	0.0	0.0	0.0	0.0
065	4/22/2019	08:07:11	0.0	0.0	0.0	0.0
066	4/22/2019	08:07:41	0.0	0.0	0.0	0.0
067	4/22/2019	08:08:11	0.0	0.0	0.0	0.0
068	4/22/2019	08:08:41	0.0	0.0	0.0	0.0
069	4/22/2019	08:09:11	0.0	0.0	0.0	0.0
070	4/22/2019	08:09:41	0.0	0.0	0.0	0.0
071	4/22/2019	08:10:11	0.0	0.0	0.0	0.0
072	4/22/2019	08:10:41	0.0	0.0	0.0	0.0
073	4/22/2019	08:11:11	0.0	0.0	0.0	0.0
074	4/22/2019	08:11:41	0.0	0.0	0.0	0.0
075	4/22/2019	08:12:11	0.0	0.0	0.0	0.0
076	4/22/2019	08:12:41	0.0	0.0	0.0	0.0
077	4/22/2019	08:13:11	0.0	0.0	0.0	0.0
078	4/22/2019	08:13:41	0.0	0.0	0.0	0.0

079	4/22/2019	08:14:11	0.0	0.0	0.0	0.0
080	4/22/2019	08:14:41	0.0	0.0	0.0	0.0
081	4/22/2019	08:15:11	0.0	0.0	0.0	0.0
082	4/22/2019	08:15:41	0.0	0.0	0.0	0.0
083	4/22/2019	08:16:11	0.0	0.0	0.0	0.0
084	4/22/2019	08:16:41	0.0	0.0	0.0	0.0
085	4/22/2019	08:17:11	0.0	0.0	0.0	0.0
086	4/22/2019	08:17:41	0.0	0.0	0.0	0.0
087	4/22/2019	08:18:11	0.0	0.0	0.0	0.0
088	4/22/2019	08:18:41	0.0	0.0	0.0	0.0
089	4/22/2019	08:19:11	0.0	0.0	0.0	0.0
090	4/22/2019	08:19:41	0.0	0.0	0.0	0.0
091	4/22/2019	08:20:11	0.0	0.0	0.0	0.0
092	4/22/2019	08:20:41	0.0	0.0	0.0	0.0
093	4/22/2019	08:21:11	0.0	0.0	0.0	0.0
094	4/22/2019	08:21:41	0.0	0.0	0.0	0.0
095	4/22/2019	08:22:11	0.0	0.0	0.0	0.0
096	4/22/2019	08:22:41	0.0	0.0	0.0	0.0
097	4/22/2019	08:23:11	0.0	0.0	0.0	0.0
098	4/22/2019	08:23:41	0.0	0.0	0.0	0.0
099	4/22/2019	08:24:11	0.0	0.0	0.0	0.0
100	4/22/2019	08:24:41	0.0	0.0	0.0	0.0
101	4/22/2019	08:25:11	0.0	0.0	0.0	0.0
102	4/22/2019	08:25:41	0.0	0.0	0.0	0.0
103	4/22/2019	08:26:11	0.0	0.0	0.0	0.0
104	4/22/2019	08:26:41	0.0	0.0	0.0	0.0
105	4/22/2019	08:27:11	0.0	0.0	0.0	0.0
106	4/22/2019	08:27:41	0.0	0.0	0.0	0.0
107	4/22/2019	08:28:11	0.0	0.0	0.0	0.0
108	4/22/2019	08:28:41	0.0	0.0	0.0	0.0
109	4/22/2019	08:29:11	0.0	0.0	0.0	0.0
110	4/22/2019	08:29:41	0.0	0.0	0.0	0.0
111	4/22/2019	08:30:11	0.0	0.0	0.0	0.0
112	4/22/2019	08:30:41	0.0	0.0	0.0	0.0
113	4/22/2019	08:31:11	0.0	0.0	0.0	0.0
114	4/22/2019	08:31:41	0.0	0.0	0.0	0.0
115	4/22/2019	08:32:11	0.0	0.0	0.0	0.0
116	4/22/2019	08:32:41	0.0	0.0	0.0	0.0
117	4/22/2019	08:33:11	0.0	0.0	0.0	0.0
118	4/22/2019	08:33:41	0.0	0.0	0.0	0.0
119	4/22/2019	08:34:11	0.0	0.0	0.0	0.0
120	4/22/2019	08:34:41	0.0	0.0	0.0	0.0
121	4/22/2019	08:35:11	0.0	0.0	0.0	0.0
122	4/22/2019	08:35:41	0.0	0.0	0.0	0.0
123	4/22/2019	08:36:11	0.0	0.0	0.0	0.0
124	4/22/2019	08:36:41	0.0	0.0	0.0	0.0
125	4/22/2019	08:37:11	0.0	0.0	0.0	0.0
126	4/22/2019	08:37:41	0.0	0.0	0.0	0.0
127	4/22/2019	08:38:11	0.0	0.0	0.0	0.0
128	4/22/2019	08:38:41	0.0	0.0	0.0	0.0

129	4/22/2019	08:39:11	0.0	0.0	0.0	0.0
130	4/22/2019	08:39:41	0.0	0.0	0.0	0.0
131	4/22/2019	08:40:11	0.0	0.0	0.0	0.0
132	4/22/2019	08:40:41	0.0	0.0	0.0	0.0
133	4/22/2019	08:41:11	0.0	0.0	0.0	0.0
134	4/22/2019	08:41:41	0.0	0.0	0.0	0.0
135	4/22/2019	08:42:11	0.0	0.0	0.0	0.0
136	4/22/2019	08:42:41	0.0	0.0	0.0	0.0
137	4/22/2019	08:43:11	0.0	0.0	0.0	0.0
138	4/22/2019	08:43:41	0.0	0.0	0.0	0.0
139	4/22/2019	08:44:11	0.0	0.0	0.0	0.0
140	4/22/2019	08:44:41	0.0	0.0	0.0	0.0
141	4/22/2019	08:45:11	0.0	0.0	0.0	0.0
142	4/22/2019	08:45:41	0.0	0.0	0.0	0.0
143	4/22/2019	08:46:11	0.0	0.0	0.0	0.0
144	4/22/2019	08:46:41	0.0	0.0	0.0	0.0
145	4/22/2019	08:47:11	0.0	0.0	0.0	0.0
146	4/22/2019	08:47:41	0.0	0.0	0.0	0.0
147	4/22/2019	08:48:11	0.0	0.0	0.0	0.0
148	4/22/2019	08:48:41	0.0	0.0	0.0	0.0
149	4/22/2019	08:49:11	0.0	0.0	0.0	0.0
150	4/22/2019	08:49:41	0.0	0.0	0.0	0.0
151	4/22/2019	08:50:11	0.0	0.0	0.0	0.0
152	4/22/2019	08:50:41	0.0	0.0	0.0	0.0
153	4/22/2019	08:51:11	0.0	0.0	0.0	0.0
154	4/22/2019	08:51:41	0.0	0.0	0.0	0.0
155	4/22/2019	08:52:11	0.0	0.0	0.0	0.0
156	4/22/2019	08:52:41	0.0	0.0	0.0	0.0
157	4/22/2019	08:53:11	0.0	0.0	0.0	0.0
158	4/22/2019	08:53:41	0.0	0.0	0.0	0.0
159	4/22/2019	08:54:11	0.0	0.0	0.0	0.0
160	4/22/2019	08:54:41	0.0	0.0	0.0	0.0
161	4/22/2019	08:55:11	0.0	0.0	0.0	0.0
162	4/22/2019	08:55:41	0.0	0.0	0.0	0.0
163	4/22/2019	08:56:11	0.0	0.0	0.0	0.0
164	4/22/2019	08:56:41	0.0	0.0	0.0	0.0
165	4/22/2019	08:57:11	0.0	0.0	0.0	0.0
166	4/22/2019	08:57:41	0.0	0.0	0.0	0.0
167	4/22/2019	08:58:11	0.0	0.0	0.0	0.0
168	4/22/2019	08:58:41	0.0	0.0	0.0	0.0
169	4/22/2019	08:59:11	0.0	0.0	0.0	0.0
170	4/22/2019	08:59:41	0.0	0.0	0.0	0.0
171	4/22/2019	09:00:11	0.0	0.0	0.0	0.0
172	4/22/2019	09:00:41	0.0	0.0	0.0	0.0
173	4/22/2019	09:01:11	0.0	0.0	0.0	0.0
174	4/22/2019	09:01:41	0.0	0.0	0.0	0.0
175	4/22/2019	09:02:11	0.0	0.0	0.0	0.0
176	4/22/2019	09:02:41	0.0	0.0	0.0	0.0
177	4/22/2019	09:03:11	0.0	0.0	0.0	0.0
178	4/22/2019	09:03:41	0.0	0.0	0.0	0.0

179	4/22/2019	09:04:11	0.0	0.0	0.0	0.0
180	4/22/2019	09:04:41	0.0	0.0	0.0	0.0
181	4/22/2019	09:05:11	0.0	0.0	0.0	0.0
182	4/22/2019	09:05:41	0.0	0.0	0.0	0.0
183	4/22/2019	09:06:11	0.0	0.0	0.0	0.0
184	4/22/2019	09:06:41	0.0	0.0	0.0	0.0
185	4/22/2019	09:07:11	0.0	0.0	0.0	0.0
186	4/22/2019	09:07:41	0.0	0.0	0.0	0.0
187	4/22/2019	09:08:11	0.0	0.0	0.0	0.0
188	4/22/2019	09:08:41	0.0	0.0	0.0	0.0
189	4/22/2019	09:09:11	0.0	0.0	0.0	0.0
190	4/22/2019	09:09:41	0.0	0.0	0.0	0.0
191	4/22/2019	09:10:11	0.0	0.0	0.0	0.0
192	4/22/2019	09:10:41	0.0	0.0	0.0	0.0
193	4/22/2019	09:11:11	0.0	0.0	0.0	0.0
194	4/22/2019	09:11:41	0.0	0.0	0.0	0.0
195	4/22/2019	09:12:11	0.0	0.0	0.0	0.0
196	4/22/2019	09:12:41	0.0	0.0	0.0	0.0
197	4/22/2019	09:13:11	0.0	0.0	0.0	0.0
198	4/22/2019	09:13:41	0.0	0.0	0.0	0.0
199	4/22/2019	09:14:11	0.0	0.0	0.0	0.0
200	4/22/2019	09:14:41	0.0	0.0	0.0	0.0
201	4/22/2019	09:15:11	0.0	0.0	0.0	0.0
202	4/22/2019	09:15:41	0.0	0.0	0.0	0.0
203	4/22/2019	09:16:11	0.0	0.0	0.0	0.0
204	4/22/2019	09:16:41	0.0	0.0	0.0	0.0
205	4/22/2019	09:17:11	0.0	0.0	0.0	0.0
206	4/22/2019	09:17:41	0.0	0.0	0.0	0.0
207	4/22/2019	09:18:11	0.0	0.0	0.0	0.0
208	4/22/2019	09:18:41	0.0	0.0	0.0	0.0
209	4/22/2019	09:19:11	0.0	0.0	0.0	0.0
210	4/22/2019	09:19:41	0.0	0.0	0.0	0.0
211	4/22/2019	09:20:11	0.0	0.0	0.0	0.0
212	4/22/2019	09:20:41	0.0	0.0	0.0	0.0
213	4/22/2019	09:21:11	0.0	0.0	0.0	0.0
214	4/22/2019	09:21:41	0.0	0.0	0.0	0.0
215	4/22/2019	09:22:11	0.0	0.0	0.0	0.0
216	4/22/2019	09:22:41	0.0	0.0	0.0	0.0
217	4/22/2019	09:23:11	0.0	0.0	0.0	0.0
218	4/22/2019	09:23:41	0.0	0.0	0.0	0.0
219	4/22/2019	09:24:11	0.0	0.0	0.0	0.0
220	4/22/2019	09:24:41	0.0	0.0	0.0	0.0
221	4/22/2019	09:25:11	0.0	0.0	0.0	0.0
222	4/22/2019	09:25:41	0.0	0.0	0.0	0.0
223	4/22/2019	09:26:11	0.0	0.0	0.0	0.0
224	4/22/2019	09:26:41	0.0	0.0	0.0	0.0
225	4/22/2019	09:27:11	0.0	0.0	0.0	0.0
226	4/22/2019	09:27:41	0.0	0.0	0.0	0.0
227	4/22/2019	09:28:11	0.0	0.0	0.0	0.0
228	4/22/2019	09:28:41	0.0	0.0	0.0	0.0

229	4/22/2019	09:29:11	0.0	0.0	0.0	0.0
230	4/22/2019	09:29:41	0.0	0.0	0.0	0.0
231	4/22/2019	09:30:11	0.0	0.0	0.0	0.0
232	4/22/2019	09:30:41	0.0	0.0	0.0	0.0
233	4/22/2019	09:31:11	0.0	0.0	0.0	0.0
234	4/22/2019	09:31:41	0.0	0.0	0.0	0.0
235	4/22/2019	09:32:11	0.0	0.0	0.0	0.0
236	4/22/2019	09:32:41	0.0	0.0	0.0	0.0
237	4/22/2019	09:33:11	0.0	0.0	0.0	0.0
238	4/22/2019	09:33:41	0.0	0.0	0.0	0.0
239	4/22/2019	09:34:11	0.0	0.0	0.0	0.0
240	4/22/2019	09:34:41	0.0	0.0	0.0	0.0
241	4/22/2019	09:35:11	0.0	0.0	0.0	0.0
242	4/22/2019	09:35:41	0.0	0.0	0.0	0.0
243	4/22/2019	09:36:11	0.0	0.0	0.0	0.0
244	4/22/2019	09:36:41	0.0	0.0	0.0	0.0
245	4/22/2019	09:37:11	0.0	0.0	0.0	0.0
246	4/22/2019	09:37:41	0.0	0.0	0.0	0.0
247	4/22/2019	09:38:11	0.0	0.0	0.0	0.0
248	4/22/2019	09:38:41	0.0	0.0	0.0	0.0
249	4/22/2019	09:39:11	0.0	0.0	0.0	0.0
250	4/22/2019	09:39:41	0.0	0.0	0.0	0.0
251	4/22/2019	09:40:11	0.0	0.0	0.0	0.0
252	4/22/2019	09:40:41	0.0	0.0	0.0	0.0
253	4/22/2019	09:41:11	0.0	0.0	0.0	0.0
254	4/22/2019	09:41:41	0.0	0.0	0.0	0.0
255	4/22/2019	09:42:11	0.0	0.0	0.0	0.0
256	4/22/2019	09:42:41	0.0	0.0	0.0	0.0
257	4/22/2019	09:43:11	0.0	0.0	0.0	0.0
258	4/22/2019	09:43:41	0.0	0.0	0.0	0.0
259	4/22/2019	09:44:11	0.0	0.0	0.0	0.0
260	4/22/2019	09:44:41	0.0	0.0	0.0	0.0
261	4/22/2019	09:45:11	0.0	0.0	0.0	0.0
262	4/22/2019	09:45:41	0.0	0.0	0.0	0.0
263	4/22/2019	09:46:11	0.0	0.0	0.0	0.0
264	4/22/2019	09:46:41	0.0	0.0	0.0	0.0
265	4/22/2019	09:47:11	0.0	0.0	0.0	0.0
266	4/22/2019	09:47:41	0.0	0.0	0.0	0.0
267	4/22/2019	09:48:11	0.0	0.0	0.0	0.0
268	4/22/2019	09:48:41	0.0	0.0	0.0	0.0
269	4/22/2019	09:49:11	0.0	0.0	0.0	0.0
270	4/22/2019	09:49:41	0.0	0.0	0.0	0.0
271	4/22/2019	09:50:11	0.0	0.0	0.0	0.0
272	4/22/2019	09:50:41	0.0	0.0	0.0	0.0
273	4/22/2019	09:51:11	0.0	0.0	0.0	0.0
274	4/22/2019	09:51:41	0.0	0.0	0.0	0.0
275	4/22/2019	09:52:11	0.0	0.0	0.0	0.0
276	4/22/2019	09:52:41	0.0	0.0	0.0	0.0
277	4/22/2019	09:53:11	0.0	0.0	0.0	0.0
278	4/22/2019	09:53:41	0.0	0.0	0.0	0.0

279	4/22/2019	09:54:11	0.0	0.0	0.0	0.0
280	4/22/2019	09:54:41	0.0	0.0	0.0	0.0
281	4/22/2019	09:55:11	0.0	0.0	0.0	0.0
282	4/22/2019	09:55:41	0.0	0.0	0.0	0.0
283	4/22/2019	09:56:11	0.0	0.0	0.0	0.0
284	4/22/2019	09:56:41	0.0	0.0	0.0	0.0
285	4/22/2019	09:57:11	0.0	0.0	0.0	0.0
286	4/22/2019	09:57:41	0.0	0.0	0.0	0.0
287	4/22/2019	09:58:11	0.0	0.0	0.0	0.0
288	4/22/2019	09:58:41	0.0	0.0	0.0	0.0
289	4/22/2019	09:59:11	0.0	0.0	0.0	0.0
290	4/22/2019	09:59:41	0.0	0.0	0.0	0.0
291	4/22/2019	10:00:11	0.0	0.0	0.0	0.0
292	4/22/2019	10:00:41	0.0	0.0	0.0	0.0
293	4/22/2019	10:01:11	0.0	0.0	0.0	0.0
294	4/22/2019	10:01:41	0.0	0.0	0.0	0.0
295	4/22/2019	10:02:11	0.0	0.0	0.0	0.0
296	4/22/2019	10:02:41	0.0	0.0	0.0	0.0
297	4/22/2019	10:03:11	0.0	0.0	0.0	0.0
298	4/22/2019	10:03:41	0.0	0.0	0.0	0.0
299	4/22/2019	10:04:11	0.0	0.0	0.0	0.0
300	4/22/2019	10:04:41	0.0	0.0	0.0	0.0
301	4/22/2019	10:05:11	0.0	0.0	0.0	0.0
302	4/22/2019	10:05:41	0.0	0.0	0.0	0.0
303	4/22/2019	10:06:11	0.0	0.0	0.0	0.0
304	4/22/2019	10:06:41	0.0	0.0	0.0	0.0
305	4/22/2019	10:07:11	0.0	0.0	0.0	0.0
306	4/22/2019	10:07:41	0.0	0.0	0.0	0.0
307	4/22/2019	10:08:11	0.0	0.0	0.0	0.0
308	4/22/2019	10:08:41	0.0	0.0	0.0	0.0
309	4/22/2019	10:09:11	0.0	0.0	0.0	0.0
310	4/22/2019	10:09:41	0.0	0.0	0.0	0.0
311	4/22/2019	10:10:11	0.0	0.0	0.0	0.0
312	4/22/2019	10:10:41	0.0	0.0	0.0	0.0
313	4/22/2019	10:11:11	0.0	0.0	0.0	0.0
314	4/22/2019	10:11:41	0.0	0.0	0.0	0.0
315	4/22/2019	10:12:11	0.0	0.0	0.0	0.0
316	4/22/2019	10:12:41	0.0	0.0	0.0	0.0
317	4/22/2019	10:13:11	0.0	0.0	0.0	0.0
318	4/22/2019	10:13:41	0.0	0.0	0.0	0.0
319	4/22/2019	10:14:11	0.0	0.0	0.0	0.0
320	4/22/2019	10:14:41	0.0	0.0	0.0	0.0
321	4/22/2019	10:15:11	0.0	0.0	0.0	0.0
322	4/22/2019	10:15:41	0.0	0.0	0.0	0.0
323	4/22/2019	10:16:11	0.0	0.0	0.0	0.0
324	4/22/2019	10:16:41	0.0	0.0	0.0	0.0
325	4/22/2019	10:17:11	0.0	0.0	0.0	0.0
326	4/22/2019	10:17:41	0.0	0.0	0.0	0.0
327	4/22/2019	10:18:11	0.0	0.0	0.0	0.0
328	4/22/2019	10:18:41	0.0	0.0	0.0	0.0

329	4/22/2019	10:19:11	0.0	0.0	0.0	0.0
330	4/22/2019	10:19:41	0.0	0.0	0.0	0.0
331	4/22/2019	10:20:11	0.0	0.0	0.0	0.0
332	4/22/2019	10:20:41	0.0	0.0	0.0	0.0
333	4/22/2019	10:21:11	0.0	0.0	0.0	0.0
334	4/22/2019	10:21:41	0.0	0.0	0.0	0.0
335	4/22/2019	10:22:11	0.0	0.0	0.0	0.0
336	4/22/2019	10:22:41	0.0	0.0	0.0	0.0
337	4/22/2019	10:23:11	0.0	0.0	0.0	0.0
338	4/22/2019	10:23:41	0.0	0.0	0.0	0.0
339	4/22/2019	10:24:11	0.0	0.0	0.0	0.0
340	4/22/2019	10:24:41	0.0	0.0	0.0	0.0
341	4/22/2019	10:25:11	0.0	0.0	0.0	0.0
342	4/22/2019	10:25:41	0.0	0.0	0.0	0.0
343	4/22/2019	10:26:11	0.0	0.0	0.0	0.0
344	4/22/2019	10:26:41	0.0	0.0	0.0	0.0
345	4/22/2019	10:27:11	0.0	0.0	0.0	0.0
346	4/22/2019	10:27:41	0.0	0.0	0.1	0.1
347	4/22/2019	10:28:11	0.0	0.0	0.1	0.0
348	4/22/2019	10:28:41	0.0	0.0	0.0	0.0
349	4/22/2019	10:29:11	0.0	0.0	0.0	0.0
350	4/22/2019	10:29:41	0.0	0.0	0.0	0.0
351	4/22/2019	10:30:11	0.0	0.0	0.0	0.0
352	4/22/2019	10:30:41	0.0	0.0	0.0	0.0
353	4/22/2019	10:31:11	0.0	0.0	0.0	0.0
354	4/22/2019	10:31:41	0.0	0.0	0.0	0.0
355	4/22/2019	10:32:11	0.0	0.0	0.0	0.0
356	4/22/2019	10:32:41	0.0	0.0	0.0	0.0
357	4/22/2019	10:33:11	0.0	0.0	0.0	0.0
358	4/22/2019	10:33:41	0.0	0.0	0.0	0.0
359	4/22/2019	10:34:11	0.0	0.0	0.0	0.0
360	4/22/2019	10:34:41	0.0	0.0	0.0	0.0
361	4/22/2019	10:35:11	0.0	0.0	0.0	0.0
362	4/22/2019	10:35:41	0.0	0.0	0.0	0.0
363	4/22/2019	10:36:11	0.0	0.0	0.0	0.0
364	4/22/2019	10:36:41	0.0	0.0	0.0	0.0
365	4/22/2019	10:37:11	0.0	0.0	0.0	0.0
366	4/22/2019	10:37:41	0.0	0.0	0.0	0.0
367	4/22/2019	10:38:11	0.0	0.0	0.0	0.0
368	4/22/2019	10:38:41	0.0	0.0	0.0	0.0
369	4/22/2019	10:39:11	0.0	0.0	0.0	0.0
370	4/22/2019	10:39:41	0.0	0.0	0.0	0.0
371	4/22/2019	10:40:11	0.0	0.0	0.0	0.0
372	4/22/2019	10:40:41	0.0	0.0	0.0	0.0
373	4/22/2019	10:41:11	0.0	0.0	0.0	0.0
374	4/22/2019	10:41:41	0.0	0.0	0.0	0.0
375	4/22/2019	10:42:11	0.0	0.0	0.0	0.0
376	4/22/2019	10:42:41	0.0	0.0	0.0	0.0
377	4/22/2019	10:43:11	0.0	0.0	0.0	0.0
378	4/22/2019	10:43:41	0.0	0.0	0.0	0.0

379	4/22/2019	10:44:11	0.0	0.0	0.0	0.0
380	4/22/2019	10:44:41	0.0	0.0	0.0	0.0
381	4/22/2019	10:45:11	0.0	0.0	0.0	0.0
382	4/22/2019	10:45:41	0.0	0.0	0.0	0.0
383	4/22/2019	10:46:11	0.0	0.0	0.0	0.0
384	4/22/2019	10:46:41	0.0	0.0	0.0	0.0
385	4/22/2019	10:47:11	0.0	0.0	0.0	0.0
386	4/22/2019	10:47:41	0.0	0.0	0.0	0.0
387	4/22/2019	10:48:11	0.0	0.0	0.0	0.0
388	4/22/2019	10:48:41	0.0	0.0	0.0	0.0
389	4/22/2019	10:49:11	0.0	0.0	0.0	0.0
390	4/22/2019	10:49:41	0.0	0.0	0.0	0.0
391	4/22/2019	10:50:11	0.0	0.0	0.0	0.0
392	4/22/2019	10:50:41	0.0	0.0	0.0	0.0
393	4/22/2019	10:51:11	0.0	0.0	0.0	0.0
394	4/22/2019	10:51:41	0.0	0.0	0.0	0.0
395	4/22/2019	10:52:11	0.0	0.0	0.0	0.0
396	4/22/2019	10:52:41	0.0	0.0	0.0	0.0
397	4/22/2019	10:53:11	0.0	0.0	0.0	0.0
398	4/22/2019	10:53:41	0.0	0.0	0.0	0.0
399	4/22/2019	10:54:11	0.0	0.0	0.0	0.0
400	4/22/2019	10:54:41	0.0	0.0	0.0	0.0
401	4/22/2019	10:55:11	0.0	0.0	0.0	0.0
402	4/22/2019	10:55:41	0.0	0.0	0.0	0.0
403	4/22/2019	10:56:11	0.0	0.0	0.0	0.0
404	4/22/2019	10:56:41	0.0	0.0	0.0	0.0
405	4/22/2019	10:57:11	0.0	0.0	0.0	0.0
406	4/22/2019	10:57:41	0.0	0.0	0.0	0.0
407	4/22/2019	10:58:11	0.0	0.0	0.0	0.0
408	4/22/2019	10:58:41	0.0	0.0	0.0	0.0
409	4/22/2019	10:59:11	0.0	0.0	0.0	0.0
410	4/22/2019	10:59:41	0.0	0.0	0.0	0.0
411	4/22/2019	11:00:11	0.0	0.0	0.0	0.0
412	4/22/2019	11:00:41	0.0	0.0	0.0	0.0
413	4/22/2019	11:01:11	0.0	0.0	0.0	0.0
414	4/22/2019	11:01:41	0.0	0.0	0.0	0.0
415	4/22/2019	11:02:11	0.0	0.0	0.0	0.0
416	4/22/2019	11:02:41	0.0	0.0	0.0	0.0
417	4/22/2019	11:03:11	0.0	0.0	0.0	0.0
418	4/22/2019	11:03:41	0.0	0.0	0.0	0.0
419	4/22/2019	11:04:11	0.0	0.0	0.0	0.0
420	4/22/2019	11:04:41	0.0	0.0	0.0	0.0
421	4/22/2019	11:05:11	0.0	0.0	0.1	0.0
422	4/22/2019	11:05:41	0.0	0.1	0.1	0.0
423	4/22/2019	11:06:11	0.0	0.1	0.1	0.1
424	4/22/2019	11:06:41	0.0	0.0	0.1	0.0
425	4/22/2019	11:07:11	0.0	0.0	0.0	0.0
426	4/22/2019	11:07:41	0.0	0.0	0.0	0.0
427	4/22/2019	11:08:11	0.0	0.0	0.0	0.0
428	4/22/2019	11:08:41	0.0	0.0	0.0	0.0

429	4/22/2019	11:09:11	0.0	0.0	0.0	0.0
430	4/22/2019	11:09:41	0.0	0.0	0.0	0.0
431	4/22/2019	11:10:11	0.0	0.0	0.0	0.0
432	4/22/2019	11:10:41	0.0	0.0	0.0	0.0
433	4/22/2019	11:11:11	0.0	0.0	0.0	0.0
434	4/22/2019	11:11:41	0.0	0.0	0.0	0.0
435	4/22/2019	11:12:11	0.0	0.0	0.0	0.0
436	4/22/2019	11:12:41	0.0	0.0	0.0	0.0
437	4/22/2019	11:13:11	0.0	0.0	0.0	0.0
438	4/22/2019	11:13:41	0.0	0.0	0.0	0.0
439	4/22/2019	11:14:11	0.0	0.0	0.0	0.0
440	4/22/2019	11:14:41	0.0	0.0	0.0	0.0
441	4/22/2019	11:15:11	0.0	0.0	0.0	0.0
442	4/22/2019	11:15:41	0.0	0.0	0.0	0.0
443	4/22/2019	11:16:11	0.0	0.0	0.0	0.0
444	4/22/2019	11:16:41	0.0	0.0	0.0	0.0
445	4/22/2019	11:17:11	0.0	0.0	0.0	0.0
446	4/22/2019	11:17:41	0.0	0.0	0.0	0.0
447	4/22/2019	11:18:11	0.0	0.0	0.0	0.0
448	4/22/2019	11:18:41	0.0	0.0	0.0	0.0
449	4/22/2019	11:19:11	0.0	0.0	0.0	0.0
450	4/22/2019	11:19:41	0.0	0.0	0.0	0.0
451	4/22/2019	11:20:11	0.0	0.0	0.0	0.0
452	4/22/2019	11:20:41	0.0	0.0	0.0	0.0
453	4/22/2019	11:21:11	0.0	0.0	0.0	0.0
454	4/22/2019	11:21:41	0.0	0.0	0.0	0.0
455	4/22/2019	11:22:11	0.0	0.0	0.0	0.0
456	4/22/2019	11:22:41	0.0	0.0	0.0	0.0
457	4/22/2019	11:23:11	0.0	0.0	0.0	0.0
458	4/22/2019	11:23:41	0.0	0.0	0.0	0.0
459	4/22/2019	11:24:11	0.0	0.0	0.0	0.0
460	4/22/2019	11:24:41	0.0	0.0	0.0	0.0
461	4/22/2019	11:25:11	0.0	0.0	0.0	0.0
462	4/22/2019	11:25:41	0.0	0.0	0.0	0.0
463	4/22/2019	11:26:11	0.0	0.0	0.0	0.0
464	4/22/2019	11:26:41	0.0	0.0	0.0	0.0
465	4/22/2019	11:27:11	0.0	0.0	0.0	0.0
466	4/22/2019	11:27:41	0.0	0.0	0.0	0.0
467	4/22/2019	11:28:11	0.0	0.0	0.0	0.0
468	4/22/2019	11:28:41	0.0	0.0	0.0	0.0
469	4/22/2019	11:29:11	0.0	0.0	0.0	0.0
470	4/22/2019	11:29:41	0.0	0.0	0.0	0.0
471	4/22/2019	11:30:11	0.0	0.0	0.0	0.0
472	4/22/2019	11:30:41	0.0	0.0	0.0	0.0
473	4/22/2019	11:31:11	0.0	0.0	0.0	0.0
474	4/22/2019	11:31:41	0.0	0.0	0.0	0.0
475	4/22/2019	11:32:11	0.0	0.0	0.0	0.0
476	4/22/2019	11:32:41	0.0	0.0	0.0	0.0
477	4/22/2019	11:33:11	0.0	0.0	0.0	0.0
478	4/22/2019	11:33:41	0.0	0.0	0.0	0.0

479	4/22/2019	11:34:11	0.0	0.0	0.0	0.0
480	4/22/2019	11:34:41	0.0	0.0	0.0	0.0
481	4/22/2019	11:35:11	0.0	0.0	0.0	0.0
482	4/22/2019	11:35:41	0.0	0.0	0.0	0.0
483	4/22/2019	11:36:11	0.0	0.0	0.0	0.0
484	4/22/2019	11:36:41	0.0	0.0	0.0	0.0
485	4/22/2019	11:37:11	0.0	0.0	0.1	0.0
486	4/22/2019	11:37:41	0.0	0.0	0.0	0.0
487	4/22/2019	11:38:11	0.0	0.0	0.0	0.0
488	4/22/2019	11:38:41	0.0	0.0	0.0	0.0
489	4/22/2019	11:39:11	0.0	0.0	0.0	0.0
490	4/22/2019	11:39:41	0.0	0.0	0.0	0.0
491	4/22/2019	11:40:11	0.0	0.1	0.1	0.1
492	4/22/2019	11:40:41	0.0	0.0	0.1	0.0
493	4/22/2019	11:41:11	0.0	0.0	0.0	0.0
494	4/22/2019	11:41:41	0.0	0.1	0.1	0.1
495	4/22/2019	11:42:11	0.0	0.1	0.1	0.0
496	4/22/2019	11:42:41	0.0	0.0	0.0	0.0
497	4/22/2019	11:43:11	0.0	0.1	0.1	0.1
498	4/22/2019	11:43:41	0.1	0.1	0.1	0.1
499	4/22/2019	11:44:11	0.0	0.1	0.1	0.1
500	4/22/2019	11:44:41	0.0	0.0	0.1	0.0
501	4/22/2019	11:45:11	0.0	0.0	0.1	0.0
502	4/22/2019	11:45:41	0.0	0.1	0.1	0.0
503	4/22/2019	11:46:11	0.0	0.0	0.1	0.0
504	4/22/2019	11:46:41	0.0	0.0	0.1	0.1
505	4/22/2019	11:47:11	0.0	0.1	0.1	0.0
506	4/22/2019	11:47:41	0.0	0.0	0.0	0.0
507	4/22/2019	11:48:11	0.0	0.0	0.0	0.0
508	4/22/2019	11:48:41	0.0	0.0	0.0	0.0
509	4/22/2019	11:49:11	0.0	0.0	0.0	0.0
510	4/22/2019	11:49:41	0.0	0.0	0.0	0.0
511	4/22/2019	11:50:11	0.0	0.0	0.0	0.0
512	4/22/2019	11:50:41	0.0	0.0	0.0	0.0
513	4/22/2019	11:51:11	0.0	0.0	0.0	0.0
514	4/22/2019	11:51:41	0.0	0.0	0.0	0.0
515	4/22/2019	11:52:11	0.0	0.0	0.0	0.0
516	4/22/2019	11:52:41	0.0	0.0	0.0	0.0
517	4/22/2019	11:53:11	0.0	0.0	0.0	0.0
518	4/22/2019	11:53:41	0.0	0.0	0.0	0.0
519	4/22/2019	11:54:11	0.0	0.0	0.0	0.0
520	4/22/2019	11:54:41	0.0	0.0	0.0	0.0
521	4/22/2019	11:55:11	0.0	0.0	0.0	0.0
522	4/22/2019	11:55:41	0.0	0.0	0.0	0.0
523	4/22/2019	11:56:11	0.0	0.0	0.0	0.0
524	4/22/2019	11:56:41	0.0	0.0	0.0	0.0
525	4/22/2019	11:57:11	0.0	0.0	0.0	0.0
526	4/22/2019	11:57:41	0.0	0.0	0.0	0.0
527	4/22/2019	11:58:11	0.0	0.0	0.0	0.0
528	4/22/2019	11:58:41	0.0	0.0	0.0	0.0

Peak	0.1	0.1	0.1	0.1
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	4/22/2019	07:35:11	0.0	---
002	4/22/2019	07:35:41	0.0	---
003	4/22/2019	07:36:11	0.0	---
004	4/22/2019	07:36:41	0.0	---
005	4/22/2019	07:37:11	0.0	---
006	4/22/2019	07:37:41	0.0	---
007	4/22/2019	07:38:11	0.0	---
008	4/22/2019	07:38:41	0.0	---
009	4/22/2019	07:39:11	0.0	---
010	4/22/2019	07:39:41	0.0	---
011	4/22/2019	07:40:11	0.0	---
012	4/22/2019	07:40:41	0.0	---
013	4/22/2019	07:41:11	0.0	---
014	4/22/2019	07:41:41	0.0	---
015	4/22/2019	07:42:11	0.0	---
016	4/22/2019	07:42:41	0.0	---
017	4/22/2019	07:43:11	0.0	---
018	4/22/2019	07:43:41	0.0	---
019	4/22/2019	07:44:11	0.0	---
020	4/22/2019	07:44:41	0.0	---
021	4/22/2019	07:45:11	0.0	---
022	4/22/2019	07:45:41	0.0	---
023	4/22/2019	07:46:11	0.0	---
024	4/22/2019	07:46:41	0.0	---
025	4/22/2019	07:47:11	0.0	---
026	4/22/2019	07:47:41	0.0	---
027	4/22/2019	07:48:11	0.0	---
028	4/22/2019	07:48:41	0.0	---
029	4/22/2019	07:49:11	0.0	---
030	4/22/2019	07:49:41	0.0	0.0
031	4/22/2019	07:50:11	0.0	0.0
032	4/22/2019	07:50:41	0.0	0.0
033	4/22/2019	07:51:11	0.0	0.0
034	4/22/2019	07:51:41	0.0	0.0
035	4/22/2019	07:52:11	0.0	0.0
036	4/22/2019	07:52:41	0.0	0.0
037	4/22/2019	07:53:11	0.0	0.0
038	4/22/2019	07:53:41	0.0	0.0
039	4/22/2019	07:54:11	0.0	0.0
040	4/22/2019	07:54:41	0.0	0.0
041	4/22/2019	07:55:11	0.0	0.0
042	4/22/2019	07:55:41	0.0	0.0

043	4/22/2019	07:56:11	0.0	0.0
044	4/22/2019	07:56:41	0.0	0.0
045	4/22/2019	07:57:11	0.0	0.0
046	4/22/2019	07:57:41	0.0	0.0
047	4/22/2019	07:58:11	0.0	0.0
048	4/22/2019	07:58:41	0.0	0.0
049	4/22/2019	07:59:11	0.0	0.0
050	4/22/2019	07:59:41	0.0	0.0
051	4/22/2019	08:00:11	0.0	0.0
052	4/22/2019	08:00:41	0.0	0.0
053	4/22/2019	08:01:11	0.0	0.0
054	4/22/2019	08:01:41	0.0	0.0
055	4/22/2019	08:02:11	0.0	0.0
056	4/22/2019	08:02:41	0.0	0.0
057	4/22/2019	08:03:11	0.0	0.0
058	4/22/2019	08:03:41	0.0	0.0
059	4/22/2019	08:04:11	0.0	0.0
060	4/22/2019	08:04:41	0.0	0.0
061	4/22/2019	08:05:11	0.0	0.0
062	4/22/2019	08:05:41	0.0	0.0
063	4/22/2019	08:06:11	0.0	0.0
064	4/22/2019	08:06:41	0.0	0.0
065	4/22/2019	08:07:11	0.0	0.0
066	4/22/2019	08:07:41	0.0	0.0
067	4/22/2019	08:08:11	0.0	0.0
068	4/22/2019	08:08:41	0.0	0.0
069	4/22/2019	08:09:11	0.0	0.0
070	4/22/2019	08:09:41	0.0	0.0
071	4/22/2019	08:10:11	0.0	0.0
072	4/22/2019	08:10:41	0.0	0.0
073	4/22/2019	08:11:11	0.0	0.0
074	4/22/2019	08:11:41	0.0	0.0
075	4/22/2019	08:12:11	0.0	0.0
076	4/22/2019	08:12:41	0.0	0.0
077	4/22/2019	08:13:11	0.0	0.0
078	4/22/2019	08:13:41	0.0	0.0
079	4/22/2019	08:14:11	0.0	0.0
080	4/22/2019	08:14:41	0.0	0.0
081	4/22/2019	08:15:11	0.0	0.0
082	4/22/2019	08:15:41	0.0	0.0
083	4/22/2019	08:16:11	0.0	0.0
084	4/22/2019	08:16:41	0.0	0.0
085	4/22/2019	08:17:11	0.0	0.0
086	4/22/2019	08:17:41	0.0	0.0
087	4/22/2019	08:18:11	0.0	0.0
088	4/22/2019	08:18:41	0.0	0.0
089	4/22/2019	08:19:11	0.0	0.0
090	4/22/2019	08:19:41	0.0	0.0
091	4/22/2019	08:20:11	0.0	0.0
092	4/22/2019	08:20:41	0.0	0.0

093	4/22/2019 08:21:11	0.0	0.0
094	4/22/2019 08:21:41	0.0	0.0
095	4/22/2019 08:22:11	0.0	0.0
096	4/22/2019 08:22:41	0.0	0.0
097	4/22/2019 08:23:11	0.0	0.0
098	4/22/2019 08:23:41	0.0	0.0
099	4/22/2019 08:24:11	0.0	0.0
100	4/22/2019 08:24:41	0.0	0.0
101	4/22/2019 08:25:11	0.0	0.0
102	4/22/2019 08:25:41	0.0	0.0
103	4/22/2019 08:26:11	0.0	0.0
104	4/22/2019 08:26:41	0.0	0.0
105	4/22/2019 08:27:11	0.0	0.0
106	4/22/2019 08:27:41	0.0	0.0
107	4/22/2019 08:28:11	0.0	0.0
108	4/22/2019 08:28:41	0.0	0.0
109	4/22/2019 08:29:11	0.0	0.0
110	4/22/2019 08:29:41	0.0	0.0
111	4/22/2019 08:30:11	0.0	0.0
112	4/22/2019 08:30:41	0.0	0.0
113	4/22/2019 08:31:11	0.0	0.0
114	4/22/2019 08:31:41	0.0	0.0
115	4/22/2019 08:32:11	0.0	0.0
116	4/22/2019 08:32:41	0.0	0.0
117	4/22/2019 08:33:11	0.0	0.0
118	4/22/2019 08:33:41	0.0	0.0
119	4/22/2019 08:34:11	0.0	0.0
120	4/22/2019 08:34:41	0.0	0.0
121	4/22/2019 08:35:11	0.0	0.0
122	4/22/2019 08:35:41	0.0	0.0
123	4/22/2019 08:36:11	0.0	0.0
124	4/22/2019 08:36:41	0.0	0.0
125	4/22/2019 08:37:11	0.0	0.0
126	4/22/2019 08:37:41	0.0	0.0
127	4/22/2019 08:38:11	0.0	0.0
128	4/22/2019 08:38:41	0.0	0.0
129	4/22/2019 08:39:11	0.0	0.0
130	4/22/2019 08:39:41	0.0	0.0
131	4/22/2019 08:40:11	0.0	0.0
132	4/22/2019 08:40:41	0.0	0.0
133	4/22/2019 08:41:11	0.0	0.0
134	4/22/2019 08:41:41	0.0	0.0
135	4/22/2019 08:42:11	0.0	0.0
136	4/22/2019 08:42:41	0.0	0.0
137	4/22/2019 08:43:11	0.0	0.0
138	4/22/2019 08:43:41	0.0	0.0
139	4/22/2019 08:44:11	0.0	0.0
140	4/22/2019 08:44:41	0.0	0.0
141	4/22/2019 08:45:11	0.0	0.0
142	4/22/2019 08:45:41	0.0	0.0

143	4/22/2019 08:46:11	0.0	0.0
144	4/22/2019 08:46:41	0.0	0.0
145	4/22/2019 08:47:11	0.0	0.0
146	4/22/2019 08:47:41	0.0	0.0
147	4/22/2019 08:48:11	0.0	0.0
148	4/22/2019 08:48:41	0.0	0.0
149	4/22/2019 08:49:11	0.0	0.0
150	4/22/2019 08:49:41	0.0	0.0
151	4/22/2019 08:50:11	0.0	0.0
152	4/22/2019 08:50:41	0.0	0.0
153	4/22/2019 08:51:11	0.0	0.0
154	4/22/2019 08:51:41	0.0	0.0
155	4/22/2019 08:52:11	0.0	0.0
156	4/22/2019 08:52:41	0.0	0.0
157	4/22/2019 08:53:11	0.0	0.0
158	4/22/2019 08:53:41	0.0	0.0
159	4/22/2019 08:54:11	0.0	0.0
160	4/22/2019 08:54:41	0.0	0.0
161	4/22/2019 08:55:11	0.0	0.0
162	4/22/2019 08:55:41	0.0	0.0
163	4/22/2019 08:56:11	0.0	0.0
164	4/22/2019 08:56:41	0.0	0.0
165	4/22/2019 08:57:11	0.0	0.0
166	4/22/2019 08:57:41	0.0	0.0
167	4/22/2019 08:58:11	0.0	0.0
168	4/22/2019 08:58:41	0.0	0.0
169	4/22/2019 08:59:11	0.0	0.0
170	4/22/2019 08:59:41	0.0	0.0
171	4/22/2019 09:00:11	0.0	0.0
172	4/22/2019 09:00:41	0.0	0.0
173	4/22/2019 09:01:11	0.0	0.0
174	4/22/2019 09:01:41	0.0	0.0
175	4/22/2019 09:02:11	0.0	0.0
176	4/22/2019 09:02:41	0.0	0.0
177	4/22/2019 09:03:11	0.0	0.0
178	4/22/2019 09:03:41	0.0	0.0
179	4/22/2019 09:04:11	0.0	0.0
180	4/22/2019 09:04:41	0.0	0.0
181	4/22/2019 09:05:11	0.0	0.0
182	4/22/2019 09:05:41	0.0	0.0
183	4/22/2019 09:06:11	0.0	0.0
184	4/22/2019 09:06:41	0.0	0.0
185	4/22/2019 09:07:11	0.0	0.0
186	4/22/2019 09:07:41	0.0	0.0
187	4/22/2019 09:08:11	0.0	0.0
188	4/22/2019 09:08:41	0.0	0.0
189	4/22/2019 09:09:11	0.0	0.0
190	4/22/2019 09:09:41	0.0	0.0
191	4/22/2019 09:10:11	0.0	0.0
192	4/22/2019 09:10:41	0.0	0.0

193	4/22/2019	09:11:11	0.0	0.0
194	4/22/2019	09:11:41	0.0	0.0
195	4/22/2019	09:12:11	0.0	0.0
196	4/22/2019	09:12:41	0.0	0.0
197	4/22/2019	09:13:11	0.0	0.0
198	4/22/2019	09:13:41	0.0	0.0
199	4/22/2019	09:14:11	0.0	0.0
200	4/22/2019	09:14:41	0.0	0.0
201	4/22/2019	09:15:11	0.0	0.0
202	4/22/2019	09:15:41	0.0	0.0
203	4/22/2019	09:16:11	0.0	0.0
204	4/22/2019	09:16:41	0.0	0.0
205	4/22/2019	09:17:11	0.0	0.0
206	4/22/2019	09:17:41	0.0	0.0
207	4/22/2019	09:18:11	0.0	0.0
208	4/22/2019	09:18:41	0.0	0.0
209	4/22/2019	09:19:11	0.0	0.0
210	4/22/2019	09:19:41	0.0	0.0
211	4/22/2019	09:20:11	0.0	0.0
212	4/22/2019	09:20:41	0.0	0.0
213	4/22/2019	09:21:11	0.0	0.0
214	4/22/2019	09:21:41	0.0	0.0
215	4/22/2019	09:22:11	0.0	0.0
216	4/22/2019	09:22:41	0.0	0.0
217	4/22/2019	09:23:11	0.0	0.0
218	4/22/2019	09:23:41	0.0	0.0
219	4/22/2019	09:24:11	0.0	0.0
220	4/22/2019	09:24:41	0.0	0.0
221	4/22/2019	09:25:11	0.0	0.0
222	4/22/2019	09:25:41	0.0	0.0
223	4/22/2019	09:26:11	0.0	0.0
224	4/22/2019	09:26:41	0.0	0.0
225	4/22/2019	09:27:11	0.0	0.0
226	4/22/2019	09:27:41	0.0	0.0
227	4/22/2019	09:28:11	0.0	0.0
228	4/22/2019	09:28:41	0.0	0.0
229	4/22/2019	09:29:11	0.0	0.0
230	4/22/2019	09:29:41	0.0	0.0
231	4/22/2019	09:30:11	0.0	0.0
232	4/22/2019	09:30:41	0.0	0.0
233	4/22/2019	09:31:11	0.0	0.0
234	4/22/2019	09:31:41	0.0	0.0
235	4/22/2019	09:32:11	0.0	0.0
236	4/22/2019	09:32:41	0.0	0.0
237	4/22/2019	09:33:11	0.0	0.0
238	4/22/2019	09:33:41	0.0	0.0
239	4/22/2019	09:34:11	0.0	0.0
240	4/22/2019	09:34:41	0.0	0.0
241	4/22/2019	09:35:11	0.0	0.0
242	4/22/2019	09:35:41	0.0	0.0

243	4/22/2019 09:36:11	0.0	0.0
244	4/22/2019 09:36:41	0.0	0.0
245	4/22/2019 09:37:11	0.0	0.0
246	4/22/2019 09:37:41	0.0	0.0
247	4/22/2019 09:38:11	0.0	0.0
248	4/22/2019 09:38:41	0.0	0.0
249	4/22/2019 09:39:11	0.0	0.0
250	4/22/2019 09:39:41	0.0	0.0
251	4/22/2019 09:40:11	0.0	0.0
252	4/22/2019 09:40:41	0.0	0.0
253	4/22/2019 09:41:11	0.0	0.0
254	4/22/2019 09:41:41	0.0	0.0
255	4/22/2019 09:42:11	0.0	0.0
256	4/22/2019 09:42:41	0.0	0.0
257	4/22/2019 09:43:11	0.0	0.0
258	4/22/2019 09:43:41	0.0	0.0
259	4/22/2019 09:44:11	0.0	0.0
260	4/22/2019 09:44:41	0.0	0.0
261	4/22/2019 09:45:11	0.0	0.0
262	4/22/2019 09:45:41	0.0	0.0
263	4/22/2019 09:46:11	0.0	0.0
264	4/22/2019 09:46:41	0.0	0.0
265	4/22/2019 09:47:11	0.0	0.0
266	4/22/2019 09:47:41	0.0	0.0
267	4/22/2019 09:48:11	0.0	0.0
268	4/22/2019 09:48:41	0.0	0.0
269	4/22/2019 09:49:11	0.0	0.0
270	4/22/2019 09:49:41	0.0	0.0
271	4/22/2019 09:50:11	0.0	0.0
272	4/22/2019 09:50:41	0.0	0.0
273	4/22/2019 09:51:11	0.0	0.0
274	4/22/2019 09:51:41	0.0	0.0
275	4/22/2019 09:52:11	0.0	0.0
276	4/22/2019 09:52:41	0.0	0.0
277	4/22/2019 09:53:11	0.0	0.0
278	4/22/2019 09:53:41	0.0	0.0
279	4/22/2019 09:54:11	0.0	0.0
280	4/22/2019 09:54:41	0.0	0.0
281	4/22/2019 09:55:11	0.0	0.0
282	4/22/2019 09:55:41	0.0	0.0
283	4/22/2019 09:56:11	0.0	0.0
284	4/22/2019 09:56:41	0.0	0.0
285	4/22/2019 09:57:11	0.0	0.0
286	4/22/2019 09:57:41	0.0	0.0
287	4/22/2019 09:58:11	0.0	0.0
288	4/22/2019 09:58:41	0.0	0.0
289	4/22/2019 09:59:11	0.0	0.0
290	4/22/2019 09:59:41	0.0	0.0
291	4/22/2019 10:00:11	0.0	0.0
292	4/22/2019 10:00:41	0.0	0.0

293	4/22/2019 10:01:11	0.0	0.0
294	4/22/2019 10:01:41	0.0	0.0
295	4/22/2019 10:02:11	0.0	0.0
296	4/22/2019 10:02:41	0.0	0.0
297	4/22/2019 10:03:11	0.0	0.0
298	4/22/2019 10:03:41	0.0	0.0
299	4/22/2019 10:04:11	0.0	0.0
300	4/22/2019 10:04:41	0.0	0.0
301	4/22/2019 10:05:11	0.0	0.0
302	4/22/2019 10:05:41	0.0	0.0
303	4/22/2019 10:06:11	0.0	0.0
304	4/22/2019 10:06:41	0.0	0.0
305	4/22/2019 10:07:11	0.0	0.0
306	4/22/2019 10:07:41	0.0	0.0
307	4/22/2019 10:08:11	0.0	0.0
308	4/22/2019 10:08:41	0.0	0.0
309	4/22/2019 10:09:11	0.0	0.0
310	4/22/2019 10:09:41	0.0	0.0
311	4/22/2019 10:10:11	0.0	0.0
312	4/22/2019 10:10:41	0.0	0.0
313	4/22/2019 10:11:11	0.0	0.0
314	4/22/2019 10:11:41	0.0	0.0
315	4/22/2019 10:12:11	0.0	0.0
316	4/22/2019 10:12:41	0.0	0.0
317	4/22/2019 10:13:11	0.0	0.0
318	4/22/2019 10:13:41	0.0	0.0
319	4/22/2019 10:14:11	0.0	0.0
320	4/22/2019 10:14:41	0.0	0.0
321	4/22/2019 10:15:11	0.0	0.0
322	4/22/2019 10:15:41	0.0	0.0
323	4/22/2019 10:16:11	0.0	0.0
324	4/22/2019 10:16:41	0.0	0.0
325	4/22/2019 10:17:11	0.0	0.0
326	4/22/2019 10:17:41	0.0	0.0
327	4/22/2019 10:18:11	0.0	0.0
328	4/22/2019 10:18:41	0.0	0.0
329	4/22/2019 10:19:11	0.0	0.0
330	4/22/2019 10:19:41	0.0	0.0
331	4/22/2019 10:20:11	0.0	0.0
332	4/22/2019 10:20:41	0.0	0.0
333	4/22/2019 10:21:11	0.0	0.0
334	4/22/2019 10:21:41	0.0	0.0
335	4/22/2019 10:22:11	0.0	0.0
336	4/22/2019 10:22:41	0.0	0.0
337	4/22/2019 10:23:11	0.0	0.0
338	4/22/2019 10:23:41	0.0	0.0
339	4/22/2019 10:24:11	0.0	0.0
340	4/22/2019 10:24:41	0.0	0.0
341	4/22/2019 10:25:11	0.0	0.0
342	4/22/2019 10:25:41	0.0	0.0

343	4/22/2019 10:26:11	0.0	0.0
344	4/22/2019 10:26:41	0.0	0.0
345	4/22/2019 10:27:11	0.0	0.0
346	4/22/2019 10:27:41	0.0	0.0
347	4/22/2019 10:28:11	0.0	0.0
348	4/22/2019 10:28:41	0.0	0.0
349	4/22/2019 10:29:11	0.0	0.0
350	4/22/2019 10:29:41	0.0	0.0
351	4/22/2019 10:30:11	0.0	0.0
352	4/22/2019 10:30:41	0.0	0.0
353	4/22/2019 10:31:11	0.0	0.0
354	4/22/2019 10:31:41	0.0	0.0
355	4/22/2019 10:32:11	0.0	0.0
356	4/22/2019 10:32:41	0.0	0.0
357	4/22/2019 10:33:11	0.0	0.0
358	4/22/2019 10:33:41	0.0	0.0
359	4/22/2019 10:34:11	0.0	0.0
360	4/22/2019 10:34:41	0.0	0.0
361	4/22/2019 10:35:11	0.0	0.0
362	4/22/2019 10:35:41	0.0	0.0
363	4/22/2019 10:36:11	0.0	0.0
364	4/22/2019 10:36:41	0.0	0.0
365	4/22/2019 10:37:11	0.0	0.0
366	4/22/2019 10:37:41	0.0	0.0
367	4/22/2019 10:38:11	0.0	0.0
368	4/22/2019 10:38:41	0.0	0.0
369	4/22/2019 10:39:11	0.0	0.0
370	4/22/2019 10:39:41	0.0	0.0
371	4/22/2019 10:40:11	0.0	0.0
372	4/22/2019 10:40:41	0.0	0.0
373	4/22/2019 10:41:11	0.0	0.0
374	4/22/2019 10:41:41	0.0	0.0
375	4/22/2019 10:42:11	0.0	0.0
376	4/22/2019 10:42:41	0.0	0.0
377	4/22/2019 10:43:11	0.0	0.0
378	4/22/2019 10:43:41	0.0	0.0
379	4/22/2019 10:44:11	0.0	0.0
380	4/22/2019 10:44:41	0.0	0.0
381	4/22/2019 10:45:11	0.0	0.0
382	4/22/2019 10:45:41	0.0	0.0
383	4/22/2019 10:46:11	0.0	0.0
384	4/22/2019 10:46:41	0.0	0.0
385	4/22/2019 10:47:11	0.0	0.0
386	4/22/2019 10:47:41	0.0	0.0
387	4/22/2019 10:48:11	0.0	0.0
388	4/22/2019 10:48:41	0.0	0.0
389	4/22/2019 10:49:11	0.0	0.0
390	4/22/2019 10:49:41	0.0	0.0
391	4/22/2019 10:50:11	0.0	0.0
392	4/22/2019 10:50:41	0.0	0.0

393	4/22/2019	10:51:11	0.0	0.0
394	4/22/2019	10:51:41	0.0	0.0
395	4/22/2019	10:52:11	0.0	0.0
396	4/22/2019	10:52:41	0.0	0.0
397	4/22/2019	10:53:11	0.0	0.0
398	4/22/2019	10:53:41	0.0	0.0
399	4/22/2019	10:54:11	0.0	0.0
400	4/22/2019	10:54:41	0.0	0.0
401	4/22/2019	10:55:11	0.0	0.0
402	4/22/2019	10:55:41	0.0	0.0
403	4/22/2019	10:56:11	0.0	0.0
404	4/22/2019	10:56:41	0.0	0.0
405	4/22/2019	10:57:11	0.0	0.0
406	4/22/2019	10:57:41	0.0	0.0
407	4/22/2019	10:58:11	0.0	0.0
408	4/22/2019	10:58:41	0.0	0.0
409	4/22/2019	10:59:11	0.0	0.0
410	4/22/2019	10:59:41	0.0	0.0
411	4/22/2019	11:00:11	0.0	0.0
412	4/22/2019	11:00:41	0.0	0.0
413	4/22/2019	11:01:11	0.0	0.0
414	4/22/2019	11:01:41	0.0	0.0
415	4/22/2019	11:02:11	0.0	0.0
416	4/22/2019	11:02:41	0.0	0.0
417	4/22/2019	11:03:11	0.0	0.0
418	4/22/2019	11:03:41	0.0	0.0
419	4/22/2019	11:04:11	0.0	0.0
420	4/22/2019	11:04:41	0.0	0.0
421	4/22/2019	11:05:11	0.0	0.0
422	4/22/2019	11:05:41	0.0	0.0
423	4/22/2019	11:06:11	0.0	0.0
424	4/22/2019	11:06:41	0.0	0.0
425	4/22/2019	11:07:11	0.0	0.0
426	4/22/2019	11:07:41	0.0	0.0
427	4/22/2019	11:08:11	0.0	0.0
428	4/22/2019	11:08:41	0.0	0.0
429	4/22/2019	11:09:11	0.0	0.0
430	4/22/2019	11:09:41	0.0	0.0
431	4/22/2019	11:10:11	0.0	0.0
432	4/22/2019	11:10:41	0.0	0.0
433	4/22/2019	11:11:11	0.0	0.0
434	4/22/2019	11:11:41	0.0	0.0
435	4/22/2019	11:12:11	0.0	0.0
436	4/22/2019	11:12:41	0.0	0.0
437	4/22/2019	11:13:11	0.0	0.0
438	4/22/2019	11:13:41	0.0	0.0
439	4/22/2019	11:14:11	0.0	0.0
440	4/22/2019	11:14:41	0.0	0.0
441	4/22/2019	11:15:11	0.0	0.0
442	4/22/2019	11:15:41	0.0	0.0

443	4/22/2019 11:16:11	0.0	0.0
444	4/22/2019 11:16:41	0.0	0.0
445	4/22/2019 11:17:11	0.0	0.0
446	4/22/2019 11:17:41	0.0	0.0
447	4/22/2019 11:18:11	0.0	0.0
448	4/22/2019 11:18:41	0.0	0.0
449	4/22/2019 11:19:11	0.0	0.0
450	4/22/2019 11:19:41	0.0	0.0
451	4/22/2019 11:20:11	0.0	0.0
452	4/22/2019 11:20:41	0.0	0.0
453	4/22/2019 11:21:11	0.0	0.0
454	4/22/2019 11:21:41	0.0	0.0
455	4/22/2019 11:22:11	0.0	0.0
456	4/22/2019 11:22:41	0.0	0.0
457	4/22/2019 11:23:11	0.0	0.0
458	4/22/2019 11:23:41	0.0	0.0
459	4/22/2019 11:24:11	0.0	0.0
460	4/22/2019 11:24:41	0.0	0.0
461	4/22/2019 11:25:11	0.0	0.0
462	4/22/2019 11:25:41	0.0	0.0
463	4/22/2019 11:26:11	0.0	0.0
464	4/22/2019 11:26:41	0.0	0.0
465	4/22/2019 11:27:11	0.0	0.0
466	4/22/2019 11:27:41	0.0	0.0
467	4/22/2019 11:28:11	0.0	0.0
468	4/22/2019 11:28:41	0.0	0.0
469	4/22/2019 11:29:11	0.0	0.0
470	4/22/2019 11:29:41	0.0	0.0
471	4/22/2019 11:30:11	0.0	0.0
472	4/22/2019 11:30:41	0.0	0.0
473	4/22/2019 11:31:11	0.0	0.0
474	4/22/2019 11:31:41	0.0	0.0
475	4/22/2019 11:32:11	0.0	0.0
476	4/22/2019 11:32:41	0.0	0.0
477	4/22/2019 11:33:11	0.0	0.0
478	4/22/2019 11:33:41	0.0	0.0
479	4/22/2019 11:34:11	0.0	0.0
480	4/22/2019 11:34:41	0.0	0.0
481	4/22/2019 11:35:11	0.0	0.0
482	4/22/2019 11:35:41	0.0	0.0
483	4/22/2019 11:36:11	0.0	0.0
484	4/22/2019 11:36:41	0.0	0.0
485	4/22/2019 11:37:11	0.0	0.0
486	4/22/2019 11:37:41	0.0	0.0
487	4/22/2019 11:38:11	0.0	0.0
488	4/22/2019 11:38:41	0.0	0.0
489	4/22/2019 11:39:11	0.0	0.0
490	4/22/2019 11:39:41	0.0	0.0
491	4/22/2019 11:40:11	0.0	0.0
492	4/22/2019 11:40:41	0.0	0.0

493	4/22/2019	11:41:11	0.0	0.0
494	4/22/2019	11:41:41	0.0	0.0
495	4/22/2019	11:42:11	0.0	0.0
496	4/22/2019	11:42:41	0.0	0.0
497	4/22/2019	11:43:11	0.0	0.0
498	4/22/2019	11:43:41	0.0	0.0
499	4/22/2019	11:44:11	0.0	0.0
500	4/22/2019	11:44:41	0.0	0.0
501	4/22/2019	11:45:11	0.0	0.0
502	4/22/2019	11:45:41	0.0	0.0
503	4/22/2019	11:46:11	0.0	0.0
504	4/22/2019	11:46:41	0.0	0.0
505	4/22/2019	11:47:11	0.0	0.0
506	4/22/2019	11:47:41	0.0	0.0
507	4/22/2019	11:48:11	0.0	0.0
508	4/22/2019	11:48:41	0.0	0.0
509	4/22/2019	11:49:11	0.0	0.0
510	4/22/2019	11:49:41	0.0	0.0
511	4/22/2019	11:50:11	0.0	0.0
512	4/22/2019	11:50:41	0.0	0.0
513	4/22/2019	11:51:11	0.0	0.0
514	4/22/2019	11:51:41	0.0	0.0
515	4/22/2019	11:52:11	0.0	0.0
516	4/22/2019	11:52:41	0.0	0.0
517	4/22/2019	11:53:11	0.0	0.0
518	4/22/2019	11:53:41	0.0	0.0
519	4/22/2019	11:54:11	0.0	0.0
520	4/22/2019	11:54:41	0.0	0.0
521	4/22/2019	11:55:11	0.0	0.0
522	4/22/2019	11:55:41	0.0	0.0
523	4/22/2019	11:56:11	0.0	0.0
524	4/22/2019	11:56:41	0.0	0.0
525	4/22/2019	11:57:11	0.0	0.0
526	4/22/2019	11:57:41	0.0	0.0
527	4/22/2019	11:58:11	0.0	0.0
528	4/22/2019	11:58:41	0.0	0.0

甑==========
19/04/23 07:08
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

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

Site ID PES00000
User ID PES00000

Begin 4/23/2019 07:08:45
End 4/23/2019 07:09:24
Sample Period(s) 30
Number of Records 1

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/22/2019 07:17
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)
001	4/23/2019 07:09:15	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	
Min		0.0	0.0	0.0	
Average		0.0	0.0	0.0	

****
TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/23/2019 07:09:15	0.0	---

甑==========
19/04/23 07:28
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No

Stop Reason Power Down

Site ID PES00000
User ID PES00000

Begin 4/23/2019 07:28:26
End 4/23/2019 11:15:39
Sample Period(s) 30
Number of Records 454

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/23/2019 07:13
Peak 1.0
Min 0.0
Average 0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	4/23/2019 07:28:56	0.0	0.0	0.0	0.0	
002	4/23/2019 07:29:26	0.0	0.0	0.0	0.0	
003	4/23/2019 07:29:56	0.0	0.0	0.0	0.0	
004	4/23/2019 07:30:26	0.0	0.0	0.0	0.0	
005	4/23/2019 07:30:56	0.0	0.0	0.0	0.0	
006	4/23/2019 07:31:26	0.0	0.0	0.0	0.0	
007	4/23/2019 07:31:56	0.0	0.0	0.0	0.0	
008	4/23/2019 07:32:26	0.0	0.0	0.0	0.0	
009	4/23/2019 07:32:56	0.0	0.0	0.0	0.0	
010	4/23/2019 07:33:26	0.0	0.0	0.0	0.0	
011	4/23/2019 07:33:56	0.0	0.0	0.0	0.0	
012	4/23/2019 07:34:26	0.0	0.0	0.0	0.0	
013	4/23/2019 07:34:56	0.0	0.0	0.0	0.0	
014	4/23/2019 07:35:26	0.0	0.0	0.0	0.0	
015	4/23/2019 07:35:56	0.0	0.0	0.0	0.0	
016	4/23/2019 07:36:26	0.0	0.0	0.0	0.0	
017	4/23/2019 07:36:56	0.0	0.0	0.0	0.0	
018	4/23/2019 07:37:26	0.0	0.0	0.0	0.0	
019	4/23/2019 07:37:56	0.0	0.0	0.0	0.0	
020	4/23/2019 07:38:26	0.0	0.0	0.0	0.0	

021	4/23/2019	07:38:56	0.0	0.0	0.0	0.0
022	4/23/2019	07:39:26	0.0	0.0	0.0	0.0
023	4/23/2019	07:39:56	0.0	0.0	0.0	0.0
024	4/23/2019	07:40:26	0.0	0.0	0.0	0.0
025	4/23/2019	07:40:56	0.0	0.0	0.0	0.0
026	4/23/2019	07:41:26	0.0	0.0	0.0	0.0
027	4/23/2019	07:41:56	0.0	0.0	0.0	0.0
028	4/23/2019	07:42:26	0.0	0.0	0.0	0.0
029	4/23/2019	07:42:56	0.0	0.0	0.0	0.0
030	4/23/2019	07:43:26	0.0	0.0	0.0	0.0
031	4/23/2019	07:43:56	0.0	0.0	0.0	0.0
032	4/23/2019	07:44:26	0.0	0.0	0.0	0.0
033	4/23/2019	07:44:56	0.0	0.0	0.0	0.0
034	4/23/2019	07:45:26	0.0	0.0	0.0	0.0
035	4/23/2019	07:45:56	0.0	0.0	0.0	0.0
036	4/23/2019	07:46:26	0.0	0.0	0.0	0.0
037	4/23/2019	07:46:56	0.0	0.0	0.1	0.1
038	4/23/2019	07:47:26	0.0	0.2	0.7	0.0
039	4/23/2019	07:47:56	0.0	0.0	0.1	0.0
040	4/23/2019	07:48:26	0.0	0.0	0.0	0.0
041	4/23/2019	07:48:56	0.0	0.0	0.0	0.0
042	4/23/2019	07:49:26	0.0	0.0	0.0	0.0
043	4/23/2019	07:49:56	0.0	0.0	0.0	0.0
044	4/23/2019	07:50:26	0.0	0.0	0.0	0.0
045	4/23/2019	07:50:56	0.0	0.0	0.0	0.0
046	4/23/2019	07:51:26	0.0	0.0	0.0	0.0
047	4/23/2019	07:51:56	0.0	0.0	0.0	0.0
048	4/23/2019	07:52:26	0.0	0.0	0.0	0.0
049	4/23/2019	07:52:56	0.0	0.0	0.0	0.0
050	4/23/2019	07:53:26	0.0	0.0	0.0	0.0
051	4/23/2019	07:53:56	0.0	0.0	0.0	0.0
052	4/23/2019	07:54:26	0.0	0.0	0.0	0.0
053	4/23/2019	07:54:56	0.0	0.0	0.0	0.0
054	4/23/2019	07:55:26	0.0	0.0	0.0	0.0
055	4/23/2019	07:55:56	0.0	0.0	0.0	0.0
056	4/23/2019	07:56:26	0.0	0.0	0.0	0.0
057	4/23/2019	07:56:56	0.0	0.0	0.1	0.1
058	4/23/2019	07:57:26	0.0	0.2	0.6	0.0
059	4/23/2019	07:57:56	0.0	0.2	0.6	0.6
060	4/23/2019	07:58:26	0.1	0.4	0.9	0.6
061	4/23/2019	07:58:56	0.0	0.2	0.6	0.0
062	4/23/2019	07:59:26	0.0	0.1	0.2	0.2
063	4/23/2019	07:59:56	0.0	0.1	0.3	0.0
064	4/23/2019	08:00:26	0.0	0.1	0.6	0.0
065	4/23/2019	08:00:56	0.0	0.1	0.2	0.2
066	4/23/2019	08:01:26	0.0	0.4	1.1	0.1
067	4/23/2019	08:01:56	0.0	0.1	0.5	0.5
068	4/23/2019	08:02:26	0.0	0.2	0.5	0.0
069	4/23/2019	08:02:56	0.0	0.0	0.1	0.0
070	4/23/2019	08:03:26	0.0	0.1	0.3	0.1

071	4/23/2019	08:03:56	0.0	0.2	0.5	0.4
072	4/23/2019	08:04:26	0.2	0.5	0.8	0.3
073	4/23/2019	08:04:56	0.1	0.1	0.3	0.1
074	4/23/2019	08:05:26	0.0	0.2	0.4	0.0
075	4/23/2019	08:05:56	0.0	0.1	0.2	0.0
076	4/23/2019	08:06:26	0.0	0.2	0.5	0.5
077	4/23/2019	08:06:56	0.0	0.2	0.7	0.0
078	4/23/2019	08:07:26	0.0	0.1	0.3	0.0
079	4/23/2019	08:07:56	0.0	0.1	0.7	0.7
080	4/23/2019	08:08:26	0.0	0.3	1.2	0.6
081	4/23/2019	08:08:56	0.0	0.3	0.9	0.2
082	4/23/2019	08:09:26	0.0	0.1	0.2	0.0
083	4/23/2019	08:09:56	0.0	0.0	0.0	0.0
084	4/23/2019	08:10:26	0.0	0.2	0.5	0.4
085	4/23/2019	08:10:56	0.0	0.1	0.4	0.1
086	4/23/2019	08:11:26	0.0	0.2	0.8	0.8
087	4/23/2019	08:11:56	0.1	0.6	1.2	0.1
088	4/23/2019	08:12:26	0.0	0.2	0.6	0.0
089	4/23/2019	08:12:56	0.0	0.2	1.0	1.0
090	4/23/2019	08:13:26	0.1	0.3	0.8	0.3
091	4/23/2019	08:13:56	0.0	0.1	0.3	0.0
092	4/23/2019	08:14:26	0.0	0.0	0.0	0.0
093	4/23/2019	08:14:56	0.0	0.0	0.0	0.0
094	4/23/2019	08:15:26	0.0	0.0	0.1	0.0
095	4/23/2019	08:15:56	0.0	0.0	0.0	0.0
096	4/23/2019	08:16:26	0.0	0.0	0.0	0.0
097	4/23/2019	08:16:56	0.0	0.0	0.0	0.0
098	4/23/2019	08:17:26	0.0	0.0	0.0	0.0
099	4/23/2019	08:17:56	0.0	0.0	0.0	0.0
100	4/23/2019	08:18:26	0.0	0.3	0.7	0.3
101	4/23/2019	08:18:56	0.2	0.4	0.7	0.4
102	4/23/2019	08:19:26	0.1	0.2	0.4	0.3
103	4/23/2019	08:19:56	0.1	0.3	0.4	0.2
104	4/23/2019	08:20:26	0.1	0.2	0.5	0.3
105	4/23/2019	08:20:56	0.1	0.3	0.6	0.5
106	4/23/2019	08:21:26	0.0	0.2	0.5	0.0
107	4/23/2019	08:21:56	0.0	0.0	0.1	0.1
108	4/23/2019	08:22:26	0.0	0.0	0.1	0.1
109	4/23/2019	08:22:56	0.0	0.1	0.1	0.0
110	4/23/2019	08:23:26	0.0	0.0	0.0	0.0
111	4/23/2019	08:23:56	0.0	0.1	0.1	0.1
112	4/23/2019	08:24:26	0.0	0.1	0.4	0.0
113	4/23/2019	08:24:56	0.0	0.1	0.1	0.0
114	4/23/2019	08:25:26	0.0	0.0	0.1	0.0
115	4/23/2019	08:25:56	0.0	0.0	0.1	0.0
116	4/23/2019	08:26:26	0.0	0.0	0.1	0.0
117	4/23/2019	08:26:56	0.0	0.0	0.0	0.0
118	4/23/2019	08:27:26	0.0	0.0	0.0	0.0
119	4/23/2019	08:27:56	0.0	0.0	0.1	0.0
120	4/23/2019	08:28:26	0.0	0.1	0.1	0.1

121	4/23/2019	08:28:56	0.0	0.0	0.1	0.0
122	4/23/2019	08:29:26	0.0	0.0	0.1	0.1
123	4/23/2019	08:29:56	0.0	0.1	0.1	0.1
124	4/23/2019	08:30:26	0.0	0.0	0.1	0.1
125	4/23/2019	08:30:56	0.0	0.1	0.1	0.0
126	4/23/2019	08:31:26	0.0	0.0	0.1	0.0
127	4/23/2019	08:31:56	0.0	0.0	0.1	0.1
128	4/23/2019	08:32:26	0.0	0.0	0.1	0.0
129	4/23/2019	08:32:56	0.0	0.0	0.1	0.0
130	4/23/2019	08:33:26	0.0	0.1	0.1	0.1
131	4/23/2019	08:33:56	0.1	0.1	0.1	0.1
132	4/23/2019	08:34:26	0.1	0.1	0.1	0.1
133	4/23/2019	08:34:56	0.1	0.1	0.1	0.1
134	4/23/2019	08:35:26	0.1	0.1	0.1	0.1
135	4/23/2019	08:35:56	0.1	0.1	0.1	0.1
136	4/23/2019	08:36:26	0.1	0.1	0.1	0.1
137	4/23/2019	08:36:56	0.1	0.1	0.1	0.1
138	4/23/2019	08:37:26	0.1	0.1	0.1	0.1
139	4/23/2019	08:37:56	0.1	0.1	0.1	0.1
140	4/23/2019	08:38:26	0.1	0.1	0.1	0.1
141	4/23/2019	08:38:56	0.1	0.1	0.1	0.1
142	4/23/2019	08:39:26	0.1	0.1	0.1	0.1
143	4/23/2019	08:39:56	0.1	0.1	0.1	0.1
144	4/23/2019	08:40:26	0.1	0.1	0.1	0.1
145	4/23/2019	08:40:56	0.1	0.1	0.1	0.1
146	4/23/2019	08:41:26	0.1	0.1	0.1	0.1
147	4/23/2019	08:41:56	0.1	0.1	0.1	0.1
148	4/23/2019	08:42:26	0.1	0.1	0.1	0.1
149	4/23/2019	08:42:56	0.1	0.1	0.1	0.1
150	4/23/2019	08:43:26	0.1	0.1	0.1	0.1
151	4/23/2019	08:43:56	0.1	0.1	0.1	0.1
152	4/23/2019	08:44:26	0.1	0.1	0.1	0.1
153	4/23/2019	08:44:56	0.1	0.1	0.1	0.1
154	4/23/2019	08:45:26	0.1	0.1	0.1	0.1
155	4/23/2019	08:45:56	0.1	0.1	0.1	0.1
156	4/23/2019	08:46:26	0.1	0.1	0.1	0.1
157	4/23/2019	08:46:56	0.1	0.1	0.1	0.1
158	4/23/2019	08:47:26	0.1	0.1	0.1	0.1
159	4/23/2019	08:47:56	0.1	0.1	0.1	0.1
160	4/23/2019	08:48:26	0.1	0.1	0.1	0.1
161	4/23/2019	08:48:56	0.1	0.1	0.1	0.1
162	4/23/2019	08:49:26	0.1	0.1	0.1	0.1
163	4/23/2019	08:49:56	0.1	0.1	0.1	0.1
164	4/23/2019	08:50:26	0.1	0.1	0.1	0.1
165	4/23/2019	08:50:56	0.1	0.1	0.1	0.1
166	4/23/2019	08:51:26	0.1	0.1	0.1	0.1
167	4/23/2019	08:51:56	0.1	0.1	0.1	0.1
168	4/23/2019	08:52:26	0.1	0.1	0.1	0.1
169	4/23/2019	08:52:56	0.1	0.1	0.1	0.1
170	4/23/2019	08:53:26	0.1	0.1	0.1	0.1

171	4/23/2019	08:53:56	0.1	0.1	0.1	0.1
172	4/23/2019	08:54:26	0.1	0.1	0.1	0.1
173	4/23/2019	08:54:56	0.1	0.1	0.1	0.1
174	4/23/2019	08:55:26	0.1	0.1	0.1	0.1
175	4/23/2019	08:55:56	0.1	0.1	0.1	0.1
176	4/23/2019	08:56:26	0.1	0.1	0.1	0.1
177	4/23/2019	08:56:56	0.1	0.1	0.1	0.1
178	4/23/2019	08:57:26	0.1	0.1	0.1	0.1
179	4/23/2019	08:57:56	0.1	0.1	0.1	0.1
180	4/23/2019	08:58:26	0.1	0.1	0.1	0.1
181	4/23/2019	08:58:56	0.1	0.1	0.1	0.1
182	4/23/2019	08:59:26	0.1	0.1	0.1	0.1
183	4/23/2019	08:59:56	0.1	0.1	0.1	0.1
184	4/23/2019	09:00:26	0.1	0.1	0.1	0.1
185	4/23/2019	09:00:56	0.1	0.1	0.1	0.1
186	4/23/2019	09:01:26	0.1	0.1	0.1	0.1
187	4/23/2019	09:01:56	0.1	0.1	0.1	0.1
188	4/23/2019	09:02:26	0.1	0.1	0.1	0.1
189	4/23/2019	09:02:56	0.1	0.1	0.1	0.1
190	4/23/2019	09:03:26	0.1	0.1	0.1	0.1
191	4/23/2019	09:03:56	0.1	0.1	0.1	0.1
192	4/23/2019	09:04:26	0.1	0.1	0.1	0.1
193	4/23/2019	09:04:56	0.1	0.1	0.1	0.1
194	4/23/2019	09:05:26	0.1	0.1	0.1	0.1
195	4/23/2019	09:05:56	0.1	0.1	0.1	0.1
196	4/23/2019	09:06:26	0.1	0.1	0.1	0.1
197	4/23/2019	09:06:56	0.1	0.1	0.1	0.1
198	4/23/2019	09:07:26	0.1	0.1	0.1	0.1
199	4/23/2019	09:07:56	0.1	0.1	0.1	0.1
200	4/23/2019	09:08:26	0.1	0.1	0.1	0.1
201	4/23/2019	09:08:56	0.1	0.1	0.1	0.1
202	4/23/2019	09:09:26	0.1	0.1	0.1	0.1
203	4/23/2019	09:09:56	0.1	0.1	0.1	0.1
204	4/23/2019	09:10:26	0.1	0.1	0.1	0.1
205	4/23/2019	09:10:56	0.1	0.1	0.1	0.1
206	4/23/2019	09:11:26	0.1	0.1	0.1	0.1
207	4/23/2019	09:11:56	0.1	0.1	0.1	0.1
208	4/23/2019	09:12:26	0.1	0.1	0.1	0.1
209	4/23/2019	09:12:56	0.1	0.1	0.1	0.1
210	4/23/2019	09:13:26	0.1	0.1	0.1	0.1
211	4/23/2019	09:13:56	0.1	0.1	0.2	0.1
212	4/23/2019	09:14:26	0.1	0.1	0.1	0.1
213	4/23/2019	09:14:56	0.1	0.1	0.1	0.1
214	4/23/2019	09:15:26	0.1	0.1	0.1	0.1
215	4/23/2019	09:15:56	0.1	0.1	0.1	0.1
216	4/23/2019	09:16:26	0.1	0.1	0.1	0.1
217	4/23/2019	09:16:56	0.1	0.1	0.1	0.1
218	4/23/2019	09:17:26	0.1	0.1	0.1	0.1
219	4/23/2019	09:17:56	0.1	0.1	0.1	0.1
220	4/23/2019	09:18:26	0.1	0.1	0.1	0.1

221	4/23/2019	09:18:56	0.1	0.1	0.1	0.1
222	4/23/2019	09:19:26	0.1	0.1	0.1	0.1
223	4/23/2019	09:19:56	0.1	0.1	0.1	0.1
224	4/23/2019	09:20:26	0.1	0.1	0.1	0.1
225	4/23/2019	09:20:56	0.1	0.1	0.1	0.1
226	4/23/2019	09:21:26	0.1	0.1	0.1	0.1
227	4/23/2019	09:21:56	0.1	0.1	0.1	0.1
228	4/23/2019	09:22:26	0.1	0.1	0.1	0.1
229	4/23/2019	09:22:56	0.1	0.1	0.1	0.1
230	4/23/2019	09:23:26	0.1	0.1	0.1	0.1
231	4/23/2019	09:23:56	0.1	0.1	0.1	0.1
232	4/23/2019	09:24:26	0.1	0.1	0.1	0.1
233	4/23/2019	09:24:56	0.1	0.1	0.1	0.1
234	4/23/2019	09:25:26	0.1	0.1	0.1	0.1
235	4/23/2019	09:25:56	0.1	0.1	0.1	0.1
236	4/23/2019	09:26:26	0.1	0.1	0.1	0.1
237	4/23/2019	09:26:56	0.1	0.1	0.1	0.1
238	4/23/2019	09:27:26	0.1	0.1	0.1	0.1
239	4/23/2019	09:27:56	0.1	0.1	0.1	0.1
240	4/23/2019	09:28:26	0.1	0.1	0.2	0.1
241	4/23/2019	09:28:56	0.1	0.1	0.1	0.1
242	4/23/2019	09:29:26	0.1	0.1	0.2	0.1
243	4/23/2019	09:29:56	0.1	0.1	0.2	0.1
244	4/23/2019	09:30:26	0.1	0.1	0.1	0.1
245	4/23/2019	09:30:56	0.1	0.1	0.1	0.1
246	4/23/2019	09:31:26	0.1	0.1	0.1	0.1
247	4/23/2019	09:31:56	0.1	0.1	0.1	0.1
248	4/23/2019	09:32:26	0.1	0.1	0.1	0.1
249	4/23/2019	09:32:56	0.1	0.1	0.1	0.1
250	4/23/2019	09:33:26	0.1	0.1	0.1	0.1
251	4/23/2019	09:33:56	0.1	0.1	0.1	0.1
252	4/23/2019	09:34:26	0.1	0.1	0.1	0.1
253	4/23/2019	09:34:56	0.1	0.1	0.1	0.1
254	4/23/2019	09:35:26	0.1	0.1	0.1	0.1
255	4/23/2019	09:35:56	0.1	0.1	0.1	0.1
256	4/23/2019	09:36:26	0.1	0.1	0.1	0.1
257	4/23/2019	09:36:56	0.1	0.1	0.1	0.1
258	4/23/2019	09:37:26	0.1	0.1	0.1	0.1
259	4/23/2019	09:37:56	0.1	0.1	0.1	0.1
260	4/23/2019	09:38:26	0.1	0.1	0.1	0.1
261	4/23/2019	09:38:56	0.1	0.1	0.1	0.1
262	4/23/2019	09:39:26	0.1	0.1	0.1	0.1
263	4/23/2019	09:39:56	0.1	0.1	0.1	0.1
264	4/23/2019	09:40:26	0.1	0.1	0.1	0.1
265	4/23/2019	09:40:56	0.1	0.1	0.1	0.1
266	4/23/2019	09:41:26	0.1	0.1	0.1	0.1
267	4/23/2019	09:41:56	0.1	0.1	0.1	0.1
268	4/23/2019	09:42:26	0.1	0.1	0.1	0.1
269	4/23/2019	09:42:56	0.1	0.1	0.1	0.1
270	4/23/2019	09:43:26	0.1	0.1	0.1	0.1

271	4/23/2019	09:43:56	0.1	0.1	0.1	0.1
272	4/23/2019	09:44:26	0.1	0.1	0.1	0.1
273	4/23/2019	09:44:56	0.1	0.1	0.1	0.1
274	4/23/2019	09:45:26	0.1	0.1	0.1	0.1
275	4/23/2019	09:45:56	0.1	0.1	0.1	0.1
276	4/23/2019	09:46:26	0.1	0.1	0.1	0.1
277	4/23/2019	09:46:56	0.1	0.1	0.1	0.1
278	4/23/2019	09:47:26	0.1	0.1	0.1	0.1
279	4/23/2019	09:47:56	0.1	0.1	0.1	0.1
280	4/23/2019	09:48:26	0.1	0.1	0.1	0.1
281	4/23/2019	09:48:56	0.1	0.1	0.1	0.1
282	4/23/2019	09:49:26	0.1	0.1	0.1	0.1
283	4/23/2019	09:49:56	0.1	0.1	0.1	0.1
284	4/23/2019	09:50:26	0.1	0.1	0.1	0.1
285	4/23/2019	09:50:56	0.1	0.1	0.1	0.1
286	4/23/2019	09:51:26	0.1	0.1	0.1	0.1
287	4/23/2019	09:51:56	0.1	0.1	0.1	0.1
288	4/23/2019	09:52:26	0.1	0.1	0.1	0.1
289	4/23/2019	09:52:56	0.1	0.1	0.1	0.1
290	4/23/2019	09:53:26	0.1	0.1	0.1	0.1
291	4/23/2019	09:53:56	0.1	0.1	0.1	0.1
292	4/23/2019	09:54:26	0.1	0.1	0.1	0.1
293	4/23/2019	09:54:56	0.1	0.1	0.1	0.1
294	4/23/2019	09:55:26	0.1	0.1	0.1	0.1
295	4/23/2019	09:55:56	0.1	0.1	0.1	0.1
296	4/23/2019	09:56:26	0.1	0.1	0.1	0.1
297	4/23/2019	09:56:56	0.1	0.1	0.1	0.1
298	4/23/2019	09:57:26	0.1	0.1	0.1	0.1
299	4/23/2019	09:57:56	0.1	0.1	0.1	0.1
300	4/23/2019	09:58:26	0.1	0.1	0.1	0.1
301	4/23/2019	09:58:56	0.1	0.1	0.1	0.1
302	4/23/2019	09:59:26	0.1	0.1	0.1	0.1
303	4/23/2019	09:59:56	0.1	0.1	0.1	0.1
304	4/23/2019	10:00:26	0.1	0.1	0.1	0.1
305	4/23/2019	10:00:56	0.1	0.1	0.1	0.1
306	4/23/2019	10:01:26	0.0	0.1	0.1	0.1
307	4/23/2019	10:01:56	0.1	0.1	0.1	0.1
308	4/23/2019	10:02:26	0.1	0.1	0.1	0.1
309	4/23/2019	10:02:56	0.1	0.1	0.1	0.1
310	4/23/2019	10:03:26	0.1	0.1	0.1	0.1
311	4/23/2019	10:03:56	0.1	0.1	0.1	0.1
312	4/23/2019	10:04:26	0.1	0.1	0.1	0.1
313	4/23/2019	10:04:56	0.1	0.1	0.1	0.1
314	4/23/2019	10:05:26	0.1	0.1	0.1	0.1
315	4/23/2019	10:05:56	0.1	0.1	0.1	0.1
316	4/23/2019	10:06:26	0.1	0.1	0.1	0.1
317	4/23/2019	10:06:56	0.1	0.1	0.1	0.1
318	4/23/2019	10:07:26	0.1	0.1	0.1	0.1
319	4/23/2019	10:07:56	0.1	0.1	0.1	0.1
320	4/23/2019	10:08:26	0.1	0.1	0.1	0.1

321	4/23/2019	10:08:56	0.1	0.1	0.1	0.1
322	4/23/2019	10:09:26	0.1	0.1	0.1	0.1
323	4/23/2019	10:09:56	0.1	0.1	0.1	0.1
324	4/23/2019	10:10:26	0.1	0.1	0.1	0.1
325	4/23/2019	10:10:56	0.1	0.1	0.1	0.1
326	4/23/2019	10:11:26	0.1	0.1	0.1	0.1
327	4/23/2019	10:11:56	0.1	0.1	0.1	0.1
328	4/23/2019	10:12:26	0.1	0.1	0.1	0.1
329	4/23/2019	10:12:56	0.1	0.1	0.1	0.1
330	4/23/2019	10:13:26	0.1	0.1	0.1	0.1
331	4/23/2019	10:13:56	0.1	0.1	0.1	0.1
332	4/23/2019	10:14:26	0.1	0.1	0.1	0.1
333	4/23/2019	10:14:56	0.1	0.1	0.1	0.1
334	4/23/2019	10:15:26	0.1	0.1	0.1	0.1
335	4/23/2019	10:15:56	0.1	0.1	0.1	0.1
336	4/23/2019	10:16:26	0.1	0.1	0.1	0.1
337	4/23/2019	10:16:56	0.1	0.1	0.1	0.1
338	4/23/2019	10:17:26	0.1	0.1	0.1	0.1
339	4/23/2019	10:17:56	0.1	0.1	0.1	0.1
340	4/23/2019	10:18:26	0.1	0.1	0.1	0.1
341	4/23/2019	10:18:56	0.1	0.1	0.1	0.1
342	4/23/2019	10:19:26	0.1	0.1	0.1	0.1
343	4/23/2019	10:19:56	0.1	0.1	0.1	0.1
344	4/23/2019	10:20:26	0.1	0.1	0.1	0.1
345	4/23/2019	10:20:56	0.1	0.1	0.1	0.1
346	4/23/2019	10:21:26	0.1	0.1	0.1	0.1
347	4/23/2019	10:21:56	0.0	0.1	0.1	0.1
348	4/23/2019	10:22:26	0.1	0.1	0.1	0.1
349	4/23/2019	10:22:56	0.0	0.1	0.1	0.1
350	4/23/2019	10:23:26	0.1	0.1	0.1	0.1
351	4/23/2019	10:23:56	0.1	0.1	0.1	0.1
352	4/23/2019	10:24:26	0.1	0.1	0.1	0.1
353	4/23/2019	10:24:56	0.1	0.1	0.1	0.1
354	4/23/2019	10:25:26	0.1	0.1	0.1	0.1
355	4/23/2019	10:25:56	0.1	0.1	0.1	0.1
356	4/23/2019	10:26:26	0.1	0.1	0.1	0.1
357	4/23/2019	10:26:56	0.1	0.1	0.1	0.1
358	4/23/2019	10:27:26	0.0	0.1	0.1	0.1
359	4/23/2019	10:27:56	0.1	0.1	0.1	0.1
360	4/23/2019	10:28:26	0.1	0.1	0.1	0.1
361	4/23/2019	10:28:56	0.1	0.1	0.1	0.1
362	4/23/2019	10:29:26	0.1	0.1	0.1	0.1
363	4/23/2019	10:29:56	0.1	0.1	0.1	0.1
364	4/23/2019	10:30:26	0.1	0.1	0.1	0.1
365	4/23/2019	10:30:56	0.1	0.1	0.1	0.1
366	4/23/2019	10:31:26	0.1	0.1	0.1	0.1
367	4/23/2019	10:31:56	0.1	0.1	0.1	0.1
368	4/23/2019	10:32:26	0.1	0.1	0.1	0.1
369	4/23/2019	10:32:56	0.1	0.1	0.1	0.1
370	4/23/2019	10:33:26	0.1	0.1	0.1	0.1

371	4/23/2019	10:33:56	0.1	0.1	0.1	0.1
372	4/23/2019	10:34:26	0.1	0.1	0.1	0.1
373	4/23/2019	10:34:56	0.1	0.1	0.1	0.1
374	4/23/2019	10:35:26	0.1	0.1	0.1	0.1
375	4/23/2019	10:35:56	0.1	0.1	0.1	0.1
376	4/23/2019	10:36:26	0.1	0.1	0.1	0.1
377	4/23/2019	10:36:56	0.1	0.1	0.1	0.1
378	4/23/2019	10:37:26	0.1	0.1	0.1	0.1
379	4/23/2019	10:37:56	0.1	0.1	0.1	0.1
380	4/23/2019	10:38:26	0.1	0.1	0.1	0.1
381	4/23/2019	10:38:56	0.1	0.1	0.1	0.1
382	4/23/2019	10:39:26	0.1	0.1	0.1	0.1
383	4/23/2019	10:39:56	0.1	0.1	0.1	0.1
384	4/23/2019	10:40:26	0.1	0.1	0.1	0.1
385	4/23/2019	10:40:56	0.1	0.1	0.1	0.1
386	4/23/2019	10:41:26	0.1	0.1	0.1	0.1
387	4/23/2019	10:41:56	0.1	0.1	0.1	0.1
388	4/23/2019	10:42:26	0.1	0.1	0.1	0.1
389	4/23/2019	10:42:56	0.0	0.1	0.1	0.1
390	4/23/2019	10:43:26	0.1	0.1	0.1	0.1
391	4/23/2019	10:43:56	0.1	0.1	0.1	0.1
392	4/23/2019	10:44:26	0.1	0.1	0.1	0.1
393	4/23/2019	10:44:56	0.1	0.1	0.1	0.1
394	4/23/2019	10:45:26	0.1	0.1	0.1	0.1
395	4/23/2019	10:45:56	0.1	0.1	0.1	0.1
396	4/23/2019	10:46:26	0.1	0.1	0.1	0.1
397	4/23/2019	10:46:56	0.1	0.1	0.1	0.1
398	4/23/2019	10:47:26	0.1	0.1	0.1	0.1
399	4/23/2019	10:47:56	0.1	0.1	0.1	0.1
400	4/23/2019	10:48:26	0.1	0.1	0.1	0.1
401	4/23/2019	10:48:56	0.1	0.1	0.1	0.1
402	4/23/2019	10:49:26	0.1	0.1	0.1	0.1
403	4/23/2019	10:49:56	0.1	0.1	0.1	0.1
404	4/23/2019	10:50:26	0.1	0.1	0.1	0.1
405	4/23/2019	10:50:56	0.1	0.1	0.1	0.1
406	4/23/2019	10:51:26	0.1	0.1	0.1	0.1
407	4/23/2019	10:51:56	0.1	0.1	0.1	0.1
408	4/23/2019	10:52:26	0.1	0.1	0.1	0.1
409	4/23/2019	10:52:56	0.1	0.1	0.1	0.1
410	4/23/2019	10:53:26	0.1	0.1	0.1	0.1
411	4/23/2019	10:53:56	0.1	0.1	0.1	0.1
412	4/23/2019	10:54:26	0.1	0.1	0.1	0.1
413	4/23/2019	10:54:56	0.1	0.1	0.1	0.1
414	4/23/2019	10:55:26	0.1	0.1	0.1	0.1
415	4/23/2019	10:55:56	0.1	0.1	0.1	0.1
416	4/23/2019	10:56:26	0.1	0.1	0.1	0.1
417	4/23/2019	10:56:56	0.1	0.1	0.1	0.1
418	4/23/2019	10:57:26	0.1	0.1	0.1	0.1
419	4/23/2019	10:57:56	0.1	0.1	0.1	0.1
420	4/23/2019	10:58:26	0.1	0.1	0.1	0.1

421	4/23/2019	10:58:56	0.1	0.1	0.1	0.1
422	4/23/2019	10:59:26	0.1	0.1	0.1	0.1
423	4/23/2019	10:59:56	0.1	0.1	0.1	0.1
424	4/23/2019	11:00:26	0.1	0.1	0.1	0.1
425	4/23/2019	11:00:56	0.1	0.1	0.1	0.1
426	4/23/2019	11:01:26	0.1	0.1	0.1	0.1
427	4/23/2019	11:01:56	0.1	0.1	0.1	0.1
428	4/23/2019	11:02:26	0.1	0.1	0.1	0.1
429	4/23/2019	11:02:56	0.1	0.1	0.1	0.1
430	4/23/2019	11:03:26	0.1	0.1	0.1	0.1
431	4/23/2019	11:03:56	0.1	0.1	0.1	0.1
432	4/23/2019	11:04:26	0.1	0.1	0.1	0.1
433	4/23/2019	11:04:56	0.1	0.1	0.1	0.1
434	4/23/2019	11:05:26	0.1	0.1	0.1	0.1
435	4/23/2019	11:05:56	0.1	0.1	0.1	0.1
436	4/23/2019	11:06:26	0.1	0.1	0.1	0.1
437	4/23/2019	11:06:56	0.1	0.1	0.1	0.1
438	4/23/2019	11:07:26	0.1	0.1	0.1	0.1
439	4/23/2019	11:07:56	0.1	0.1	0.1	0.1
440	4/23/2019	11:08:26	0.1	0.1	0.1	0.1
441	4/23/2019	11:08:56	0.1	0.1	0.1	0.1
442	4/23/2019	11:09:26	0.1	0.1	0.1	0.1
443	4/23/2019	11:09:56	0.1	0.1	0.1	0.1
444	4/23/2019	11:10:26	0.1	0.1	0.1	0.1
445	4/23/2019	11:10:56	0.1	0.1	0.1	0.1
446	4/23/2019	11:11:26	0.1	0.1	0.1	0.1
447	4/23/2019	11:11:56	0.1	0.1	0.1	0.1
448	4/23/2019	11:12:26	0.1	0.1	0.1	0.1
449	4/23/2019	11:12:56	0.1	0.1	0.1	0.1
450	4/23/2019	11:13:26	0.1	0.1	0.1	0.1
451	4/23/2019	11:13:56	0.1	0.1	0.1	0.1
452	4/23/2019	11:14:26	0.1	0.1	0.1	0.1
453	4/23/2019	11:14:56	0.1	0.1	0.1	0.1
454	4/23/2019	11:15:26	0.1	0.1	0.1	0.1
Peak			0.2	0.6	1.2	1.0
Min			0.0	0.0	0.0	0.0
Average			0.1	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/23/2019 07:28:56	0.0	---
002	4/23/2019 07:29:26	0.0	---
003	4/23/2019 07:29:56	0.0	---
004	4/23/2019 07:30:26	0.0	---
005	4/23/2019 07:30:56	0.0	---
006	4/23/2019 07:31:26	0.0	---
007	4/23/2019 07:31:56	0.0	---
008	4/23/2019 07:32:26	0.0	---

009	4/23/2019 07:32:56	0.0	---
010	4/23/2019 07:33:26	0.0	---
011	4/23/2019 07:33:56	0.0	---
012	4/23/2019 07:34:26	0.0	---
013	4/23/2019 07:34:56	0.0	---
014	4/23/2019 07:35:26	0.0	---
015	4/23/2019 07:35:56	0.0	---
016	4/23/2019 07:36:26	0.0	---
017	4/23/2019 07:36:56	0.0	---
018	4/23/2019 07:37:26	0.0	---
019	4/23/2019 07:37:56	0.0	---
020	4/23/2019 07:38:26	0.0	---
021	4/23/2019 07:38:56	0.0	---
022	4/23/2019 07:39:26	0.0	---
023	4/23/2019 07:39:56	0.0	---
024	4/23/2019 07:40:26	0.0	---
025	4/23/2019 07:40:56	0.0	---
026	4/23/2019 07:41:26	0.0	---
027	4/23/2019 07:41:56	0.0	---
028	4/23/2019 07:42:26	0.0	---
029	4/23/2019 07:42:56	0.0	---
030	4/23/2019 07:43:26	0.0	0.0
031	4/23/2019 07:43:56	0.0	0.0
032	4/23/2019 07:44:26	0.0	0.0
033	4/23/2019 07:44:56	0.0	0.0
034	4/23/2019 07:45:26	0.0	0.0
035	4/23/2019 07:45:56	0.0	0.0
036	4/23/2019 07:46:26	0.0	0.0
037	4/23/2019 07:46:56	0.0	0.0
038	4/23/2019 07:47:26	0.0	0.0
039	4/23/2019 07:47:56	0.0	0.0
040	4/23/2019 07:48:26	0.0	0.0
041	4/23/2019 07:48:56	0.0	0.0
042	4/23/2019 07:49:26	0.0	0.0
043	4/23/2019 07:49:56	0.0	0.0
044	4/23/2019 07:50:26	0.0	0.0
045	4/23/2019 07:50:56	0.0	0.0
046	4/23/2019 07:51:26	0.0	0.0
047	4/23/2019 07:51:56	0.0	0.0
048	4/23/2019 07:52:26	0.0	0.0
049	4/23/2019 07:52:56	0.0	0.0
050	4/23/2019 07:53:26	0.0	0.0
051	4/23/2019 07:53:56	0.0	0.0
052	4/23/2019 07:54:26	0.0	0.0
053	4/23/2019 07:54:56	0.0	0.0
054	4/23/2019 07:55:26	0.0	0.0
055	4/23/2019 07:55:56	0.0	0.0
056	4/23/2019 07:56:26	0.0	0.0
057	4/23/2019 07:56:56	0.0	0.0
058	4/23/2019 07:57:26	0.0	0.0

059	4/23/2019	07:57:56	0.0	0.0
060	4/23/2019	07:58:26	0.0	0.0
061	4/23/2019	07:58:56	0.0	0.0
062	4/23/2019	07:59:26	0.0	0.1
063	4/23/2019	07:59:56	0.0	0.1
064	4/23/2019	08:00:26	0.0	0.1
065	4/23/2019	08:00:56	0.0	0.1
066	4/23/2019	08:01:26	0.0	0.1
067	4/23/2019	08:01:56	0.0	0.1
068	4/23/2019	08:02:26	0.0	0.1
069	4/23/2019	08:02:56	0.0	0.1
070	4/23/2019	08:03:26	0.0	0.1
071	4/23/2019	08:03:56	0.0	0.1
072	4/23/2019	08:04:26	0.0	0.1
073	4/23/2019	08:04:56	0.0	0.1
074	4/23/2019	08:05:26	0.0	0.1
075	4/23/2019	08:05:56	0.0	0.1
076	4/23/2019	08:06:26	0.0	0.1
077	4/23/2019	08:06:56	0.0	0.1
078	4/23/2019	08:07:26	0.0	0.1
079	4/23/2019	08:07:56	0.0	0.1
080	4/23/2019	08:08:26	0.0	0.2
081	4/23/2019	08:08:56	0.0	0.2
082	4/23/2019	08:09:26	0.0	0.2
083	4/23/2019	08:09:56	0.0	0.2
084	4/23/2019	08:10:26	0.0	0.2
085	4/23/2019	08:10:56	0.0	0.2
086	4/23/2019	08:11:26	0.0	0.2
087	4/23/2019	08:11:56	0.0	0.2
088	4/23/2019	08:12:26	0.0	0.2
089	4/23/2019	08:12:56	0.0	0.3
090	4/23/2019	08:13:26	0.0	0.2
091	4/23/2019	08:13:56	0.0	0.2
092	4/23/2019	08:14:26	0.0	0.2
093	4/23/2019	08:14:56	0.0	0.2
094	4/23/2019	08:15:26	0.0	0.2
095	4/23/2019	08:15:56	0.0	0.2
096	4/23/2019	08:16:26	0.0	0.2
097	4/23/2019	08:16:56	0.0	0.2
098	4/23/2019	08:17:26	0.0	0.2
099	4/23/2019	08:17:56	0.0	0.2
100	4/23/2019	08:18:26	0.0	0.2
101	4/23/2019	08:18:56	0.0	0.2
102	4/23/2019	08:19:26	0.0	0.2
103	4/23/2019	08:19:56	0.0	0.2
104	4/23/2019	08:20:26	0.0	0.2
105	4/23/2019	08:20:56	0.0	0.2
106	4/23/2019	08:21:26	0.0	0.2
107	4/23/2019	08:21:56	0.0	0.2
108	4/23/2019	08:22:26	0.0	0.2

109	4/23/2019	08:22:56	0.0	0.2
110	4/23/2019	08:23:26	0.0	0.2
111	4/23/2019	08:23:56	0.0	0.2
112	4/23/2019	08:24:26	0.0	0.2
113	4/23/2019	08:24:56	0.0	0.2
114	4/23/2019	08:25:26	0.0	0.2
115	4/23/2019	08:25:56	0.0	0.2
116	4/23/2019	08:26:26	0.0	0.1
117	4/23/2019	08:26:56	0.0	0.1
118	4/23/2019	08:27:26	0.0	0.1
119	4/23/2019	08:27:56	0.0	0.1
120	4/23/2019	08:28:26	0.0	0.1
121	4/23/2019	08:28:56	0.0	0.1
122	4/23/2019	08:29:26	0.0	0.1
123	4/23/2019	08:29:56	0.0	0.1
124	4/23/2019	08:30:26	0.0	0.1
125	4/23/2019	08:30:56	0.0	0.1
126	4/23/2019	08:31:26	0.0	0.1
127	4/23/2019	08:31:56	0.0	0.1
128	4/23/2019	08:32:26	0.0	0.1
129	4/23/2019	08:32:56	0.0	0.1
130	4/23/2019	08:33:26	0.0	0.1
131	4/23/2019	08:33:56	0.0	0.1
132	4/23/2019	08:34:26	0.0	0.1
133	4/23/2019	08:34:56	0.0	0.1
134	4/23/2019	08:35:26	0.0	0.1
135	4/23/2019	08:35:56	0.0	0.1
136	4/23/2019	08:36:26	0.0	0.1
137	4/23/2019	08:36:56	0.0	0.1
138	4/23/2019	08:37:26	0.0	0.1
139	4/23/2019	08:37:56	0.0	0.1
140	4/23/2019	08:38:26	0.0	0.1
141	4/23/2019	08:38:56	0.0	0.1
142	4/23/2019	08:39:26	0.0	0.1
143	4/23/2019	08:39:56	0.0	0.1
144	4/23/2019	08:40:26	0.0	0.1
145	4/23/2019	08:40:56	0.0	0.1
146	4/23/2019	08:41:26	0.0	0.1
147	4/23/2019	08:41:56	0.0	0.1
148	4/23/2019	08:42:26	0.0	0.1
149	4/23/2019	08:42:56	0.0	0.1
150	4/23/2019	08:43:26	0.0	0.1
151	4/23/2019	08:43:56	0.0	0.1
152	4/23/2019	08:44:26	0.0	0.1
153	4/23/2019	08:44:56	0.0	0.1
154	4/23/2019	08:45:26	0.0	0.1
155	4/23/2019	08:45:56	0.0	0.1
156	4/23/2019	08:46:26	0.0	0.1
157	4/23/2019	08:46:56	0.0	0.1
158	4/23/2019	08:47:26	0.0	0.1

159	4/23/2019	08:47:56	0.0	0.1
160	4/23/2019	08:48:26	0.0	0.1
161	4/23/2019	08:48:56	0.0	0.1
162	4/23/2019	08:49:26	0.0	0.1
163	4/23/2019	08:49:56	0.0	0.1
164	4/23/2019	08:50:26	0.0	0.1
165	4/23/2019	08:50:56	0.0	0.1
166	4/23/2019	08:51:26	0.0	0.1
167	4/23/2019	08:51:56	0.0	0.1
168	4/23/2019	08:52:26	0.0	0.1
169	4/23/2019	08:52:56	0.0	0.1
170	4/23/2019	08:53:26	0.0	0.1
171	4/23/2019	08:53:56	0.0	0.1
172	4/23/2019	08:54:26	0.0	0.1
173	4/23/2019	08:54:56	0.0	0.1
174	4/23/2019	08:55:26	0.0	0.1
175	4/23/2019	08:55:56	0.0	0.1
176	4/23/2019	08:56:26	0.0	0.1
177	4/23/2019	08:56:56	0.0	0.1
178	4/23/2019	08:57:26	0.0	0.1
179	4/23/2019	08:57:56	0.0	0.1
180	4/23/2019	08:58:26	0.0	0.1
181	4/23/2019	08:58:56	0.0	0.1
182	4/23/2019	08:59:26	0.0	0.1
183	4/23/2019	08:59:56	0.0	0.1
184	4/23/2019	09:00:26	0.0	0.1
185	4/23/2019	09:00:56	0.0	0.1
186	4/23/2019	09:01:26	0.0	0.1
187	4/23/2019	09:01:56	0.0	0.1
188	4/23/2019	09:02:26	0.0	0.1
189	4/23/2019	09:02:56	0.0	0.1
190	4/23/2019	09:03:26	0.0	0.1
191	4/23/2019	09:03:56	0.0	0.1
192	4/23/2019	09:04:26	0.0	0.1
193	4/23/2019	09:04:56	0.0	0.1
194	4/23/2019	09:05:26	0.0	0.1
195	4/23/2019	09:05:56	0.0	0.1
196	4/23/2019	09:06:26	0.0	0.1
197	4/23/2019	09:06:56	0.0	0.1
198	4/23/2019	09:07:26	0.0	0.1
199	4/23/2019	09:07:56	0.0	0.1
200	4/23/2019	09:08:26	0.0	0.1
201	4/23/2019	09:08:56	0.0	0.1
202	4/23/2019	09:09:26	0.0	0.1
203	4/23/2019	09:09:56	0.0	0.1
204	4/23/2019	09:10:26	0.0	0.1
205	4/23/2019	09:10:56	0.0	0.1
206	4/23/2019	09:11:26	0.0	0.1
207	4/23/2019	09:11:56	0.0	0.1
208	4/23/2019	09:12:26	0.0	0.1

209	4/23/2019	09:12:56	0.0	0.1
210	4/23/2019	09:13:26	0.0	0.1
211	4/23/2019	09:13:56	0.0	0.1
212	4/23/2019	09:14:26	0.0	0.1
213	4/23/2019	09:14:56	0.0	0.1
214	4/23/2019	09:15:26	0.0	0.1
215	4/23/2019	09:15:56	0.0	0.1
216	4/23/2019	09:16:26	0.0	0.1
217	4/23/2019	09:16:56	0.0	0.1
218	4/23/2019	09:17:26	0.0	0.1
219	4/23/2019	09:17:56	0.0	0.1
220	4/23/2019	09:18:26	0.0	0.1
221	4/23/2019	09:18:56	0.0	0.1
222	4/23/2019	09:19:26	0.0	0.1
223	4/23/2019	09:19:56	0.0	0.1
224	4/23/2019	09:20:26	0.0	0.1
225	4/23/2019	09:20:56	0.0	0.1
226	4/23/2019	09:21:26	0.0	0.1
227	4/23/2019	09:21:56	0.0	0.1
228	4/23/2019	09:22:26	0.0	0.1
229	4/23/2019	09:22:56	0.0	0.1
230	4/23/2019	09:23:26	0.0	0.1
231	4/23/2019	09:23:56	0.0	0.1
232	4/23/2019	09:24:26	0.0	0.1
233	4/23/2019	09:24:56	0.0	0.1
234	4/23/2019	09:25:26	0.0	0.1
235	4/23/2019	09:25:56	0.0	0.1
236	4/23/2019	09:26:26	0.0	0.1
237	4/23/2019	09:26:56	0.0	0.1
238	4/23/2019	09:27:26	0.0	0.1
239	4/23/2019	09:27:56	0.0	0.1
240	4/23/2019	09:28:26	0.0	0.1
241	4/23/2019	09:28:56	0.0	0.1
242	4/23/2019	09:29:26	0.0	0.1
243	4/23/2019	09:29:56	0.0	0.1
244	4/23/2019	09:30:26	0.0	0.1
245	4/23/2019	09:30:56	0.0	0.1
246	4/23/2019	09:31:26	0.0	0.1
247	4/23/2019	09:31:56	0.0	0.1
248	4/23/2019	09:32:26	0.0	0.1
249	4/23/2019	09:32:56	0.0	0.1
250	4/23/2019	09:33:26	0.0	0.1
251	4/23/2019	09:33:56	0.0	0.1
252	4/23/2019	09:34:26	0.0	0.1
253	4/23/2019	09:34:56	0.0	0.1
254	4/23/2019	09:35:26	0.0	0.1
255	4/23/2019	09:35:56	0.0	0.1
256	4/23/2019	09:36:26	0.0	0.1
257	4/23/2019	09:36:56	0.0	0.1
258	4/23/2019	09:37:26	0.0	0.1

259	4/23/2019	09:37:56	0.0	0.1
260	4/23/2019	09:38:26	0.0	0.1
261	4/23/2019	09:38:56	0.0	0.1
262	4/23/2019	09:39:26	0.0	0.1
263	4/23/2019	09:39:56	0.0	0.1
264	4/23/2019	09:40:26	0.0	0.1
265	4/23/2019	09:40:56	0.0	0.1
266	4/23/2019	09:41:26	0.0	0.1
267	4/23/2019	09:41:56	0.0	0.1
268	4/23/2019	09:42:26	0.0	0.1
269	4/23/2019	09:42:56	0.0	0.1
270	4/23/2019	09:43:26	0.0	0.1
271	4/23/2019	09:43:56	0.0	0.1
272	4/23/2019	09:44:26	0.0	0.1
273	4/23/2019	09:44:56	0.0	0.1
274	4/23/2019	09:45:26	0.0	0.1
275	4/23/2019	09:45:56	0.0	0.1
276	4/23/2019	09:46:26	0.0	0.1
277	4/23/2019	09:46:56	0.0	0.1
278	4/23/2019	09:47:26	0.0	0.1
279	4/23/2019	09:47:56	0.0	0.1
280	4/23/2019	09:48:26	0.0	0.1
281	4/23/2019	09:48:56	0.0	0.1
282	4/23/2019	09:49:26	0.0	0.1
283	4/23/2019	09:49:56	0.0	0.1
284	4/23/2019	09:50:26	0.0	0.1
285	4/23/2019	09:50:56	0.0	0.1
286	4/23/2019	09:51:26	0.0	0.1
287	4/23/2019	09:51:56	0.0	0.1
288	4/23/2019	09:52:26	0.0	0.1
289	4/23/2019	09:52:56	0.0	0.1
290	4/23/2019	09:53:26	0.0	0.1
291	4/23/2019	09:53:56	0.0	0.1
292	4/23/2019	09:54:26	0.0	0.1
293	4/23/2019	09:54:56	0.0	0.1
294	4/23/2019	09:55:26	0.0	0.1
295	4/23/2019	09:55:56	0.0	0.1
296	4/23/2019	09:56:26	0.0	0.1
297	4/23/2019	09:56:56	0.0	0.1
298	4/23/2019	09:57:26	0.0	0.1
299	4/23/2019	09:57:56	0.0	0.1
300	4/23/2019	09:58:26	0.0	0.1
301	4/23/2019	09:58:56	0.0	0.1
302	4/23/2019	09:59:26	0.0	0.1
303	4/23/2019	09:59:56	0.0	0.1
304	4/23/2019	10:00:26	0.0	0.1
305	4/23/2019	10:00:56	0.0	0.1
306	4/23/2019	10:01:26	0.0	0.1
307	4/23/2019	10:01:56	0.0	0.1
308	4/23/2019	10:02:26	0.0	0.1

309	4/23/2019 10:02:56	0.0	0.1
310	4/23/2019 10:03:26	0.0	0.1
311	4/23/2019 10:03:56	0.0	0.1
312	4/23/2019 10:04:26	0.0	0.1
313	4/23/2019 10:04:56	0.0	0.1
314	4/23/2019 10:05:26	0.0	0.1
315	4/23/2019 10:05:56	0.0	0.1
316	4/23/2019 10:06:26	0.0	0.1
317	4/23/2019 10:06:56	0.0	0.1
318	4/23/2019 10:07:26	0.0	0.1
319	4/23/2019 10:07:56	0.0	0.1
320	4/23/2019 10:08:26	0.0	0.1
321	4/23/2019 10:08:56	0.0	0.1
322	4/23/2019 10:09:26	0.0	0.1
323	4/23/2019 10:09:56	0.0	0.1
324	4/23/2019 10:10:26	0.0	0.1
325	4/23/2019 10:10:56	0.0	0.1
326	4/23/2019 10:11:26	0.0	0.1
327	4/23/2019 10:11:56	0.0	0.1
328	4/23/2019 10:12:26	0.0	0.1
329	4/23/2019 10:12:56	0.0	0.1
330	4/23/2019 10:13:26	0.0	0.1
331	4/23/2019 10:13:56	0.0	0.1
332	4/23/2019 10:14:26	0.0	0.1
333	4/23/2019 10:14:56	0.0	0.1
334	4/23/2019 10:15:26	0.0	0.1
335	4/23/2019 10:15:56	0.0	0.1
336	4/23/2019 10:16:26	0.0	0.1
337	4/23/2019 10:16:56	0.0	0.1
338	4/23/2019 10:17:26	0.0	0.1
339	4/23/2019 10:17:56	0.0	0.1
340	4/23/2019 10:18:26	0.0	0.1
341	4/23/2019 10:18:56	0.0	0.1
342	4/23/2019 10:19:26	0.0	0.1
343	4/23/2019 10:19:56	0.0	0.1
344	4/23/2019 10:20:26	0.0	0.1
345	4/23/2019 10:20:56	0.0	0.1
346	4/23/2019 10:21:26	0.0	0.1
347	4/23/2019 10:21:56	0.0	0.1
348	4/23/2019 10:22:26	0.0	0.1
349	4/23/2019 10:22:56	0.0	0.1
350	4/23/2019 10:23:26	0.0	0.1
351	4/23/2019 10:23:56	0.0	0.1
352	4/23/2019 10:24:26	0.0	0.1
353	4/23/2019 10:24:56	0.0	0.1
354	4/23/2019 10:25:26	0.0	0.1
355	4/23/2019 10:25:56	0.0	0.1
356	4/23/2019 10:26:26	0.0	0.1
357	4/23/2019 10:26:56	0.0	0.1
358	4/23/2019 10:27:26	0.0	0.1

359	4/23/2019 10:27:56	0.0	0.1
360	4/23/2019 10:28:26	0.0	0.1
361	4/23/2019 10:28:56	0.0	0.1
362	4/23/2019 10:29:26	0.0	0.1
363	4/23/2019 10:29:56	0.0	0.1
364	4/23/2019 10:30:26	0.0	0.1
365	4/23/2019 10:30:56	0.0	0.1
366	4/23/2019 10:31:26	0.0	0.1
367	4/23/2019 10:31:56	0.0	0.1
368	4/23/2019 10:32:26	0.0	0.1
369	4/23/2019 10:32:56	0.0	0.1
370	4/23/2019 10:33:26	0.0	0.1
371	4/23/2019 10:33:56	0.0	0.1
372	4/23/2019 10:34:26	0.0	0.1
373	4/23/2019 10:34:56	0.0	0.1
374	4/23/2019 10:35:26	0.0	0.1
375	4/23/2019 10:35:56	0.0	0.1
376	4/23/2019 10:36:26	0.0	0.1
377	4/23/2019 10:36:56	0.0	0.1
378	4/23/2019 10:37:26	0.0	0.1
379	4/23/2019 10:37:56	0.0	0.1
380	4/23/2019 10:38:26	0.0	0.1
381	4/23/2019 10:38:56	0.0	0.1
382	4/23/2019 10:39:26	0.0	0.1
383	4/23/2019 10:39:56	0.0	0.1
384	4/23/2019 10:40:26	0.0	0.1
385	4/23/2019 10:40:56	0.0	0.1
386	4/23/2019 10:41:26	0.0	0.1
387	4/23/2019 10:41:56	0.0	0.1
388	4/23/2019 10:42:26	0.0	0.1
389	4/23/2019 10:42:56	0.0	0.1
390	4/23/2019 10:43:26	0.0	0.1
391	4/23/2019 10:43:56	0.0	0.1
392	4/23/2019 10:44:26	0.0	0.1
393	4/23/2019 10:44:56	0.0	0.1
394	4/23/2019 10:45:26	0.0	0.1
395	4/23/2019 10:45:56	0.0	0.1
396	4/23/2019 10:46:26	0.0	0.1
397	4/23/2019 10:46:56	0.0	0.1
398	4/23/2019 10:47:26	0.0	0.1
399	4/23/2019 10:47:56	0.0	0.1
400	4/23/2019 10:48:26	0.0	0.1
401	4/23/2019 10:48:56	0.0	0.1
402	4/23/2019 10:49:26	0.0	0.1
403	4/23/2019 10:49:56	0.0	0.1
404	4/23/2019 10:50:26	0.0	0.1
405	4/23/2019 10:50:56	0.0	0.1
406	4/23/2019 10:51:26	0.0	0.1
407	4/23/2019 10:51:56	0.0	0.1
408	4/23/2019 10:52:26	0.0	0.1

409	4/23/2019 10:52:56	0.0	0.1
410	4/23/2019 10:53:26	0.0	0.1
411	4/23/2019 10:53:56	0.0	0.1
412	4/23/2019 10:54:26	0.0	0.1
413	4/23/2019 10:54:56	0.0	0.1
414	4/23/2019 10:55:26	0.0	0.1
415	4/23/2019 10:55:56	0.0	0.1
416	4/23/2019 10:56:26	0.0	0.1
417	4/23/2019 10:56:56	0.0	0.1
418	4/23/2019 10:57:26	0.0	0.1
419	4/23/2019 10:57:56	0.0	0.1
420	4/23/2019 10:58:26	0.0	0.1
421	4/23/2019 10:58:56	0.0	0.1
422	4/23/2019 10:59:26	0.0	0.1
423	4/23/2019 10:59:56	0.0	0.1
424	4/23/2019 11:00:26	0.0	0.1
425	4/23/2019 11:00:56	0.0	0.1
426	4/23/2019 11:01:26	0.0	0.1
427	4/23/2019 11:01:56	0.0	0.1
428	4/23/2019 11:02:26	0.0	0.1
429	4/23/2019 11:02:56	0.0	0.1
430	4/23/2019 11:03:26	0.0	0.1
431	4/23/2019 11:03:56	0.0	0.1
432	4/23/2019 11:04:26	0.0	0.1
433	4/23/2019 11:04:56	0.0	0.1
434	4/23/2019 11:05:26	0.0	0.1
435	4/23/2019 11:05:56	0.0	0.1
436	4/23/2019 11:06:26	0.0	0.1
437	4/23/2019 11:06:56	0.0	0.1
438	4/23/2019 11:07:26	0.0	0.1
439	4/23/2019 11:07:56	0.0	0.1
440	4/23/2019 11:08:26	0.0	0.1
441	4/23/2019 11:08:56	0.0	0.1
442	4/23/2019 11:09:26	0.0	0.1
443	4/23/2019 11:09:56	0.0	0.1
444	4/23/2019 11:10:26	0.0	0.1
445	4/23/2019 11:10:56	0.0	0.1
446	4/23/2019 11:11:26	0.0	0.1
447	4/23/2019 11:11:56	0.0	0.1
448	4/23/2019 11:12:26	0.0	0.1
449	4/23/2019 11:12:56	0.0	0.1
450	4/23/2019 11:13:26	0.0	0.1
451	4/23/2019 11:13:56	0.0	0.1
452	4/23/2019 11:14:26	0.0	0.1
453	4/23/2019 11:14:56	0.0	0.1
454	4/23/2019 11:15:26	0.0	0.1

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19/04/25 14:49

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Summary

```
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver       V2.16
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Pause in Menu Mode
------------------------------------------------------------
Site ID PES00000
User ID PES00000
------------------------------------------------------------
Begin   4/25/2019 14:49:49
End     4/25/2019 14:49:53
Sample Period(s)        30
Number of Records       0
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S0?3030298V9
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      100.0
TWA Alarm       50.0
Measurement Gas Isobutylene
Calibration Time        4/23/2019 07:14

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Datalog

0 record.

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19/04/25 15:31
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-908425
Unit Firmware Ver       V2.16
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Power Down
------------------------------------------------------------
```

Site ID PES00000
User ID PES00000

Begin 4/25/2019 15:31:15
End 4/25/2019 19:19:11
Sample Period(s) 30
Number of Records 455

Sensor PID(ppm)
Sensor SN S0?3030298V9
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 4/25/2019 14:58
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	4/25/2019 15:31:45	0.0	0.0	0.0	0.0	
002	4/25/2019 15:32:15	0.0	0.0	0.0	0.0	
003	4/25/2019 15:32:45	0.0	0.0	0.0	0.0	
004	4/25/2019 15:33:15	0.0	0.0	0.0	0.0	
005	4/25/2019 15:33:45	0.0	0.0	0.0	0.0	
006	4/25/2019 15:34:15	0.0	0.0	0.0	0.0	
007	4/25/2019 15:34:45	0.0	0.0	0.0	0.0	
008	4/25/2019 15:35:15	0.0	0.0	0.0	0.0	
009	4/25/2019 15:35:45	0.0	0.0	0.0	0.0	
010	4/25/2019 15:36:15	0.0	0.0	0.0	0.0	
011	4/25/2019 15:36:45	0.0	0.0	0.0	0.0	
012	4/25/2019 15:37:15	0.0	0.0	0.0	0.0	
013	4/25/2019 15:37:45	0.0	0.0	0.0	0.0	
014	4/25/2019 15:38:15	0.0	0.0	0.0	0.0	
015	4/25/2019 15:38:45	0.0	0.0	0.0	0.0	
016	4/25/2019 15:39:15	0.0	0.0	0.0	0.0	
017	4/25/2019 15:39:45	0.0	0.0	0.0	0.0	
018	4/25/2019 15:40:15	0.0	0.0	0.0	0.0	
019	4/25/2019 15:40:45	0.0	0.0	0.0	0.0	
020	4/25/2019 15:41:15	0.0	0.0	0.0	0.0	
021	4/25/2019 15:41:45	0.0	0.0	0.0	0.0	
022	4/25/2019 15:42:15	0.0	0.0	0.0	0.0	

023	4/25/2019	15:42:45	0.0	0.0	0.0	0.0
024	4/25/2019	15:43:15	0.0	0.0	0.0	0.0
025	4/25/2019	15:43:45	0.0	0.0	0.0	0.0
026	4/25/2019	15:44:15	0.0	0.0	0.0	0.0
027	4/25/2019	15:44:45	0.0	0.0	0.0	0.0
028	4/25/2019	15:45:15	0.0	0.0	0.0	0.0
029	4/25/2019	15:45:45	0.0	0.0	0.0	0.0
030	4/25/2019	15:46:15	0.0	0.0	0.0	0.0
031	4/25/2019	15:46:45	0.0	0.0	0.0	0.0
032	4/25/2019	15:47:15	0.0	0.0	0.0	0.0
033	4/25/2019	15:47:45	0.0	0.0	0.0	0.0
034	4/25/2019	15:48:15	0.0	0.0	0.0	0.0
035	4/25/2019	15:48:45	0.0	0.0	0.0	0.0
036	4/25/2019	15:49:15	0.0	0.0	0.0	0.0
037	4/25/2019	15:49:45	0.0	0.0	0.0	0.0
038	4/25/2019	15:50:15	0.0	0.0	0.0	0.0
039	4/25/2019	15:50:45	0.0	0.0	0.0	0.0
040	4/25/2019	15:51:15	0.0	0.0	0.0	0.0
041	4/25/2019	15:51:45	0.0	0.0	0.0	0.0
042	4/25/2019	15:52:15	0.0	0.0	0.0	0.0
043	4/25/2019	15:52:45	0.0	0.0	0.1	0.0
044	4/25/2019	15:53:15	0.0	0.0	0.0	0.0
045	4/25/2019	15:53:45	0.0	0.0	0.0	0.0
046	4/25/2019	15:54:15	0.0	0.0	0.0	0.0
047	4/25/2019	15:54:45	0.0	0.0	0.0	0.0
048	4/25/2019	15:55:15	0.0	0.0	0.0	0.0
049	4/25/2019	15:55:45	0.0	0.0	0.0	0.0
050	4/25/2019	15:56:15	0.0	0.0	0.0	0.0
051	4/25/2019	15:56:45	0.0	0.0	0.0	0.0
052	4/25/2019	15:57:15	0.0	0.0	0.0	0.0
053	4/25/2019	15:57:45	0.0	0.0	0.0	0.0
054	4/25/2019	15:58:15	0.0	0.0	0.0	0.0
055	4/25/2019	15:58:45	0.0	0.0	0.0	0.0
056	4/25/2019	15:59:15	0.0	0.0	0.0	0.0
057	4/25/2019	15:59:45	0.0	0.0	0.0	0.0
058	4/25/2019	16:00:15	0.0	0.0	0.0	0.0
059	4/25/2019	16:00:45	0.0	0.0	0.0	0.0
060	4/25/2019	16:01:15	0.0	0.0	0.0	0.0
061	4/25/2019	16:01:45	0.0	0.0	0.0	0.0
062	4/25/2019	16:02:15	0.0	0.0	0.0	0.0
063	4/25/2019	16:02:45	0.0	0.0	0.0	0.0
064	4/25/2019	16:03:15	0.0	0.0	0.0	0.0
065	4/25/2019	16:03:45	0.0	0.0	0.0	0.0
066	4/25/2019	16:04:15	0.0	0.0	0.0	0.0
067	4/25/2019	16:04:45	0.0	0.0	0.0	0.0
068	4/25/2019	16:05:15	0.0	0.0	0.0	0.0
069	4/25/2019	16:05:45	0.0	0.0	0.0	0.0
070	4/25/2019	16:06:15	0.0	0.0	0.0	0.0
071	4/25/2019	16:06:45	0.0	0.0	0.0	0.0
072	4/25/2019	16:07:15	0.0	0.0	0.0	0.0

073	4/25/2019	16:07:45	0.0	0.0	0.0	0.0
074	4/25/2019	16:08:15	0.0	0.0	0.0	0.0
075	4/25/2019	16:08:45	0.0	0.0	0.0	0.0
076	4/25/2019	16:09:15	0.0	0.0	0.0	0.0
077	4/25/2019	16:09:45	0.0	0.0	0.0	0.0
078	4/25/2019	16:10:15	0.0	0.0	0.0	0.0
079	4/25/2019	16:10:45	0.0	0.0	0.0	0.0
080	4/25/2019	16:11:15	0.0	0.0	0.0	0.0
081	4/25/2019	16:11:45	0.0	0.0	0.0	0.0
082	4/25/2019	16:12:15	0.0	0.0	0.1	0.0
083	4/25/2019	16:12:45	0.0	0.0	0.0	0.0
084	4/25/2019	16:13:15	0.0	0.0	0.0	0.0
085	4/25/2019	16:13:45	0.0	0.0	0.0	0.0
086	4/25/2019	16:14:15	0.0	0.0	0.0	0.0
087	4/25/2019	16:14:45	0.0	0.0	0.1	0.1
088	4/25/2019	16:15:15	0.0	0.0	0.1	0.0
089	4/25/2019	16:15:45	0.0	0.0	0.0	0.0
090	4/25/2019	16:16:15	0.0	0.0	0.0	0.0
091	4/25/2019	16:16:45	0.0	0.0	0.0	0.0
092	4/25/2019	16:17:15	0.0	0.0	0.0	0.0
093	4/25/2019	16:17:45	0.0	0.0	0.0	0.0
094	4/25/2019	16:18:15	0.0	0.0	0.0	0.0
095	4/25/2019	16:18:45	0.0	0.0	0.0	0.0
096	4/25/2019	16:19:15	0.0	0.0	0.0	0.0
097	4/25/2019	16:19:45	0.0	0.0	0.0	0.0
098	4/25/2019	16:20:15	0.0	0.0	0.0	0.0
099	4/25/2019	16:20:45	0.0	0.0	0.0	0.0
100	4/25/2019	16:21:15	0.0	0.0	0.0	0.0
101	4/25/2019	16:21:45	0.0	0.0	0.0	0.0
102	4/25/2019	16:22:15	0.0	0.0	0.1	0.0
103	4/25/2019	16:22:45	0.0	0.0	0.0	0.0
104	4/25/2019	16:23:15	0.0	0.0	0.0	0.0
105	4/25/2019	16:23:45	0.0	0.0	0.0	0.0
106	4/25/2019	16:24:15	0.0	0.0	0.0	0.0
107	4/25/2019	16:24:45	0.0	0.0	0.0	0.0
108	4/25/2019	16:25:15	0.0	0.0	0.0	0.0
109	4/25/2019	16:25:45	0.0	0.0	0.1	0.0
110	4/25/2019	16:26:15	0.0	0.0	0.0	0.0
111	4/25/2019	16:26:45	0.0	0.0	0.0	0.0
112	4/25/2019	16:27:15	0.0	0.0	0.0	0.0
113	4/25/2019	16:27:45	0.0	0.0	0.0	0.0
114	4/25/2019	16:28:15	0.0	0.0	0.0	0.0
115	4/25/2019	16:28:45	0.0	0.0	0.0	0.0
116	4/25/2019	16:29:15	0.0	0.0	0.0	0.0
117	4/25/2019	16:29:45	0.0	0.0	0.2	0.0
118	4/25/2019	16:30:15	0.0	0.0	0.0	0.0
119	4/25/2019	16:30:45	0.0	0.0	0.0	0.0
120	4/25/2019	16:31:15	0.0	0.0	0.0	0.0
121	4/25/2019	16:31:45	0.0	0.0	0.0	0.0
122	4/25/2019	16:32:15	0.0	0.0	0.0	0.0

123	4/25/2019	16:32:45	0.0	0.0	0.3	0.0
124	4/25/2019	16:33:15	0.0	0.0	0.0	0.0
125	4/25/2019	16:33:45	0.0	0.0	0.0	0.0
126	4/25/2019	16:34:15	0.0	0.0	0.1	0.0
127	4/25/2019	16:34:45	0.0	0.0	0.0	0.0
128	4/25/2019	16:35:15	0.0	0.0	0.0	0.0
129	4/25/2019	16:35:45	0.0	0.0	0.0	0.0
130	4/25/2019	16:36:15	0.0	0.0	0.0	0.0
131	4/25/2019	16:36:45	0.0	0.0	0.0	0.0
132	4/25/2019	16:37:15	0.0	0.0	0.0	0.0
133	4/25/2019	16:37:45	0.0	0.0	0.0	0.0
134	4/25/2019	16:38:15	0.0	0.0	0.3	0.0
135	4/25/2019	16:38:45	0.0	0.0	0.0	0.0
136	4/25/2019	16:39:15	0.0	0.0	0.0	0.0
137	4/25/2019	16:39:45	0.0	0.0	0.0	0.0
138	4/25/2019	16:40:15	0.0	0.0	0.0	0.0
139	4/25/2019	16:40:45	0.0	0.0	0.0	0.0
140	4/25/2019	16:41:15	0.0	0.0	0.0	0.0
141	4/25/2019	16:41:45	0.0	0.0	0.0	0.0
142	4/25/2019	16:42:15	0.0	0.0	0.0	0.0
143	4/25/2019	16:42:45	0.0	0.0	0.0	0.0
144	4/25/2019	16:43:15	0.0	0.0	0.0	0.0
145	4/25/2019	16:43:45	0.0	0.0	0.0	0.0
146	4/25/2019	16:44:15	0.0	0.0	0.0	0.0
147	4/25/2019	16:44:45	0.0	0.0	0.0	0.0
148	4/25/2019	16:45:15	0.0	0.0	0.0	0.0
149	4/25/2019	16:45:45	0.0	0.0	0.0	0.0
150	4/25/2019	16:46:15	0.0	0.0	0.0	0.0
151	4/25/2019	16:46:45	0.0	0.0	0.0	0.0
152	4/25/2019	16:47:15	0.0	0.0	0.0	0.0
153	4/25/2019	16:47:45	0.0	0.0	0.0	0.0
154	4/25/2019	16:48:15	0.0	0.0	0.0	0.0
155	4/25/2019	16:48:45	0.0	0.0	0.0	0.0
156	4/25/2019	16:49:15	0.0	0.0	0.0	0.0
157	4/25/2019	16:49:45	0.0	0.0	0.0	0.0
158	4/25/2019	16:50:15	0.0	0.0	0.0	0.0
159	4/25/2019	16:50:45	0.0	0.0	0.0	0.0
160	4/25/2019	16:51:15	0.0	0.0	0.1	0.0
161	4/25/2019	16:51:45	0.0	0.0	0.0	0.0
162	4/25/2019	16:52:15	0.0	0.0	0.0	0.0
163	4/25/2019	16:52:45	0.0	0.0	0.0	0.0
164	4/25/2019	16:53:15	0.0	0.0	0.1	0.0
165	4/25/2019	16:53:45	0.0	0.0	0.0	0.0
166	4/25/2019	16:54:15	0.0	0.0	0.0	0.0
167	4/25/2019	16:54:45	0.0	0.0	0.0	0.0
168	4/25/2019	16:55:15	0.0	0.0	0.0	0.0
169	4/25/2019	16:55:45	0.0	0.0	0.0	0.0
170	4/25/2019	16:56:15	0.0	0.0	0.0	0.0
171	4/25/2019	16:56:45	0.0	0.0	0.0	0.0
172	4/25/2019	16:57:15	0.0	0.0	0.0	0.0

173	4/25/2019	16:57:45	0.0	0.0	0.0	0.0
174	4/25/2019	16:58:15	0.0	0.0	0.0	0.0
175	4/25/2019	16:58:45	0.0	0.0	0.0	0.0
176	4/25/2019	16:59:15	0.0	0.0	0.0	0.0
177	4/25/2019	16:59:45	0.0	0.0	0.0	0.0
178	4/25/2019	17:00:15	0.0	0.0	0.0	0.0
179	4/25/2019	17:00:45	0.0	0.0	0.0	0.0
180	4/25/2019	17:01:15	0.0	0.0	0.0	0.0
181	4/25/2019	17:01:45	0.0	0.0	0.1	0.1
182	4/25/2019	17:02:15	0.0	0.0	0.1	0.0
183	4/25/2019	17:02:45	0.0	0.0	0.1	0.1
184	4/25/2019	17:03:15	0.0	0.0	0.0	0.0
185	4/25/2019	17:03:45	0.0	0.0	0.0	0.0
186	4/25/2019	17:04:15	0.0	0.0	0.0	0.0
187	4/25/2019	17:04:45	0.0	0.0	0.0	0.0
188	4/25/2019	17:05:15	0.0	0.0	0.0	0.0
189	4/25/2019	17:05:45	0.0	0.0	0.0	0.0
190	4/25/2019	17:06:15	0.0	0.0	0.0	0.0
191	4/25/2019	17:06:45	0.0	0.0	0.1	0.0
192	4/25/2019	17:07:15	0.0	0.0	0.0	0.0
193	4/25/2019	17:07:45	0.0	0.0	0.0	0.0
194	4/25/2019	17:08:15	0.0	0.0	0.0	0.0
195	4/25/2019	17:08:45	0.0	0.0	0.0	0.0
196	4/25/2019	17:09:15	0.0	0.0	0.0	0.0
197	4/25/2019	17:09:45	0.0	0.0	0.0	0.0
198	4/25/2019	17:10:15	0.0	0.0	0.0	0.0
199	4/25/2019	17:10:45	0.0	0.0	0.0	0.0
200	4/25/2019	17:11:15	0.0	0.0	0.0	0.0
201	4/25/2019	17:11:45	0.0	0.0	0.0	0.0
202	4/25/2019	17:12:15	0.0	0.0	0.1	0.0
203	4/25/2019	17:12:45	0.0	0.0	0.0	0.0
204	4/25/2019	17:13:15	0.0	0.0	0.1	0.0
205	4/25/2019	17:13:45	0.0	0.0	0.3	0.0
206	4/25/2019	17:14:15	0.0	0.0	0.0	0.0
207	4/25/2019	17:14:45	0.0	0.0	0.0	0.0
208	4/25/2019	17:15:15	0.0	0.0	0.0	0.0
209	4/25/2019	17:15:45	0.0	0.0	0.0	0.0
210	4/25/2019	17:16:15	0.0	0.0	0.0	0.0
211	4/25/2019	17:16:45	0.0	0.0	0.0	0.0
212	4/25/2019	17:17:15	0.0	0.0	0.0	0.0
213	4/25/2019	17:17:45	0.0	0.0	0.1	0.0
214	4/25/2019	17:18:15	0.0	0.1	0.2	0.0
215	4/25/2019	17:18:45	0.0	0.0	0.0	0.0
216	4/25/2019	17:19:15	0.0	0.0	0.0	0.0
217	4/25/2019	17:19:45	0.0	0.0	0.1	0.0
218	4/25/2019	17:20:15	0.0	0.0	0.0	0.0
219	4/25/2019	17:20:45	0.0	0.0	0.0	0.0
220	4/25/2019	17:21:15	0.0	0.0	0.0	0.0
221	4/25/2019	17:21:45	0.0	0.0	0.0	0.0
222	4/25/2019	17:22:15	0.0	0.0	0.0	0.0

223	4/25/2019 17:22:45	0.0	0.0	0.0	0.0
224	4/25/2019 17:23:15	0.0	0.0	0.0	0.0
225	4/25/2019 17:23:45	0.0	0.0	0.0	0.0
226	4/25/2019 17:24:15	0.0	0.0	0.0	0.0
227	4/25/2019 17:24:45	0.0	0.0	0.0	0.0
228	4/25/2019 17:25:15	0.0	0.0	0.0	0.0
229	4/25/2019 17:25:45	0.0	0.0	0.0	0.0
230	4/25/2019 17:26:15	0.0	0.0	0.0	0.0
231	4/25/2019 17:26:45	0.0	0.0	0.0	0.0
232	4/25/2019 17:27:15	0.0	0.0	0.0	0.0
233	4/25/2019 17:27:45	0.0	0.0	0.0	0.0
234	4/25/2019 17:28:15	0.0	0.0	0.0	0.0
235	4/25/2019 17:28:45	0.0	0.0	0.0	0.0
236	4/25/2019 17:29:15	0.0	0.0	0.0	0.0
237	4/25/2019 17:29:45	0.0	0.0	0.0	0.0
238	4/25/2019 17:30:15	0.0	0.0	0.0	0.0
239	4/25/2019 17:30:45	0.0	0.0	0.0	0.0
240	4/25/2019 17:31:15	0.0	0.0	0.0	0.0
241	4/25/2019 17:31:45	0.0	0.0	0.0	0.0
242	4/25/2019 17:32:15	0.0	0.0	0.0	0.0
243	4/25/2019 17:32:45	0.0	0.0	0.0	0.0
244	4/25/2019 17:33:15	0.0	0.0	0.0	0.0
245	4/25/2019 17:33:45	0.0	0.0	0.0	0.0
246	4/25/2019 17:34:15	0.0	0.0	0.0	0.0
247	4/25/2019 17:34:45	0.0	0.0	0.0	0.0
248	4/25/2019 17:35:15	0.0	0.0	0.0	0.0
249	4/25/2019 17:35:45	0.0	0.0	0.0	0.0
250	4/25/2019 17:36:15	0.0	0.0	0.0	0.0
251	4/25/2019 17:36:45	0.0	0.0	0.0	0.0
252	4/25/2019 17:37:15	0.0	0.0	0.0	0.0
253	4/25/2019 17:37:45	0.0	0.0	0.0	0.0
254	4/25/2019 17:38:15	0.0	0.0	0.0	0.0
255	4/25/2019 17:38:45	0.0	0.0	0.0	0.0
256	4/25/2019 17:39:15	0.0	0.0	0.0	0.0
257	4/25/2019 17:39:45	0.0	0.0	0.0	0.0
258	4/25/2019 17:40:15	0.0	0.0	0.0	0.0
259	4/25/2019 17:40:45	0.0	0.0	0.0	0.0
260	4/25/2019 17:41:15	0.0	0.0	0.0	0.0
261	4/25/2019 17:41:45	0.0	0.0	0.0	0.0
262	4/25/2019 17:42:15	0.0	0.0	0.0	0.0
263	4/25/2019 17:42:45	0.0	0.0	0.0	0.0
264	4/25/2019 17:43:15	0.0	0.0	0.0	0.0
265	4/25/2019 17:43:45	0.0	0.0	0.0	0.0
266	4/25/2019 17:44:15	0.0	0.0	0.0	0.0
267	4/25/2019 17:44:45	0.0	0.0	0.0	0.0
268	4/25/2019 17:45:15	0.0	0.0	0.0	0.0
269	4/25/2019 17:45:45	0.0	0.0	0.0	0.0
270	4/25/2019 17:46:15	0.0	0.0	0.0	0.0
271	4/25/2019 17:46:45	0.0	0.0	0.0	0.0
272	4/25/2019 17:47:15	0.0	0.0	0.0	0.0

273	4/25/2019	17:47:45	0.0	0.0	0.0	0.0
274	4/25/2019	17:48:15	0.0	0.0	0.0	0.0
275	4/25/2019	17:48:45	0.0	0.0	0.0	0.0
276	4/25/2019	17:49:15	0.0	0.0	0.0	0.0
277	4/25/2019	17:49:45	0.0	0.0	0.0	0.0
278	4/25/2019	17:50:15	0.0	0.0	0.0	0.0
279	4/25/2019	17:50:45	0.0	0.0	0.0	0.0
280	4/25/2019	17:51:15	0.0	0.0	0.0	0.0
281	4/25/2019	17:51:45	0.0	0.0	0.0	0.0
282	4/25/2019	17:52:15	0.0	0.0	0.0	0.0
283	4/25/2019	17:52:45	0.0	0.0	0.0	0.0
284	4/25/2019	17:53:15	0.0	0.0	0.0	0.0
285	4/25/2019	17:53:45	0.0	0.0	0.0	0.0
286	4/25/2019	17:54:15	0.0	0.0	0.0	0.0
287	4/25/2019	17:54:45	0.0	0.0	0.0	0.0
288	4/25/2019	17:55:15	0.0	0.0	0.0	0.0
289	4/25/2019	17:55:45	0.0	0.0	0.0	0.0
290	4/25/2019	17:56:15	0.0	0.0	0.0	0.0
291	4/25/2019	17:56:45	0.0	0.0	0.0	0.0
292	4/25/2019	17:57:15	0.0	0.0	0.0	0.0
293	4/25/2019	17:57:45	0.0	0.0	0.0	0.0
294	4/25/2019	17:58:15	0.0	0.0	0.0	0.0
295	4/25/2019	17:58:45	0.0	0.0	0.0	0.0
296	4/25/2019	17:59:15	0.0	0.0	0.0	0.0
297	4/25/2019	17:59:45	0.0	0.0	0.0	0.0
298	4/25/2019	18:00:15	0.0	0.0	0.1	0.0
299	4/25/2019	18:00:45	0.0	0.0	0.0	0.0
300	4/25/2019	18:01:15	0.0	0.0	0.1	0.0
301	4/25/2019	18:01:45	0.0	0.0	0.1	0.1
302	4/25/2019	18:02:15	0.0	0.0	0.0	0.0
303	4/25/2019	18:02:45	0.0	0.0	0.0	0.0
304	4/25/2019	18:03:15	0.0	0.0	0.0	0.0
305	4/25/2019	18:03:45	0.0	0.0	0.0	0.0
306	4/25/2019	18:04:15	0.0	0.0	0.0	0.0
307	4/25/2019	18:04:45	0.0	0.0	0.1	0.1
308	4/25/2019	18:05:15	0.0	0.0	0.1	0.0
309	4/25/2019	18:05:45	0.0	0.0	0.0	0.0
310	4/25/2019	18:06:15	0.0	0.0	0.0	0.0
311	4/25/2019	18:06:45	0.0	0.0	0.0	0.0
312	4/25/2019	18:07:15	0.0	0.0	0.0	0.0
313	4/25/2019	18:07:45	0.0	0.0	0.0	0.0
314	4/25/2019	18:08:15	0.0	0.0	0.0	0.0
315	4/25/2019	18:08:45	0.0	0.0	0.0	0.0
316	4/25/2019	18:09:15	0.0	0.0	0.0	0.0
317	4/25/2019	18:09:45	0.0	0.0	0.0	0.0
318	4/25/2019	18:10:15	0.0	0.0	0.0	0.0
319	4/25/2019	18:10:45	0.0	0.0	0.0	0.0
320	4/25/2019	18:11:15	0.0	0.0	0.0	0.0
321	4/25/2019	18:11:45	0.0	0.0	0.0	0.0
322	4/25/2019	18:12:15	0.0	0.0	0.1	0.1

323	4/25/2019	18:12:45	0.0	0.0	0.1	0.0
324	4/25/2019	18:13:15	0.0	0.0	0.0	0.0
325	4/25/2019	18:13:45	0.0	0.0	0.0	0.0
326	4/25/2019	18:14:15	0.0	0.0	0.0	0.0
327	4/25/2019	18:14:45	0.0	0.0	0.0	0.0
328	4/25/2019	18:15:15	0.0	0.0	0.0	0.0
329	4/25/2019	18:15:45	0.0	0.0	0.1	0.0
330	4/25/2019	18:16:15	0.0	0.0	0.0	0.0
331	4/25/2019	18:16:45	0.0	0.0	0.0	0.0
332	4/25/2019	18:17:15	0.0	0.0	0.0	0.0
333	4/25/2019	18:17:45	0.0	0.0	0.0	0.0
334	4/25/2019	18:18:15	0.0	0.0	0.0	0.0
335	4/25/2019	18:18:45	0.0	0.0	0.0	0.0
336	4/25/2019	18:19:15	0.0	0.0	0.0	0.0
337	4/25/2019	18:19:45	0.0	0.0	0.0	0.0
338	4/25/2019	18:20:15	0.0	0.0	0.0	0.0
339	4/25/2019	18:20:45	0.0	0.0	0.0	0.0
340	4/25/2019	18:21:15	0.0	0.0	0.0	0.0
341	4/25/2019	18:21:45	0.0	0.0	0.0	0.0
342	4/25/2019	18:22:15	0.0	0.0	0.0	0.0
343	4/25/2019	18:22:45	0.0	0.0	0.0	0.0
344	4/25/2019	18:23:15	0.0	0.0	0.0	0.0
345	4/25/2019	18:23:45	0.0	0.0	0.0	0.0
346	4/25/2019	18:24:15	0.0	0.0	0.0	0.0
347	4/25/2019	18:24:45	0.0	0.0	0.0	0.0
348	4/25/2019	18:25:15	0.0	0.0	0.0	0.0
349	4/25/2019	18:25:45	0.0	0.0	0.0	0.0
350	4/25/2019	18:26:15	0.0	0.0	0.0	0.0
351	4/25/2019	18:26:45	0.0	0.0	0.0	0.0
352	4/25/2019	18:27:15	0.0	0.0	0.0	0.0
353	4/25/2019	18:27:45	0.0	0.0	0.0	0.0
354	4/25/2019	18:28:15	0.0	0.0	0.0	0.0
355	4/25/2019	18:28:45	0.0	0.0	0.0	0.0
356	4/25/2019	18:29:15	0.0	0.0	0.0	0.0
357	4/25/2019	18:29:45	0.0	0.0	0.0	0.0
358	4/25/2019	18:30:15	0.0	0.0	0.0	0.0
359	4/25/2019	18:30:45	0.0	0.0	0.0	0.0
360	4/25/2019	18:31:15	0.0	0.0	0.0	0.0
361	4/25/2019	18:31:45	0.0	0.0	0.0	0.0
362	4/25/2019	18:32:15	0.0	0.0	0.0	0.0
363	4/25/2019	18:32:45	0.0	0.0	0.0	0.0
364	4/25/2019	18:33:15	0.0	0.0	0.0	0.0
365	4/25/2019	18:33:45	0.0	0.0	0.0	0.0
366	4/25/2019	18:34:15	0.0	0.0	0.0	0.0
367	4/25/2019	18:34:45	0.0	0.0	0.0	0.0
368	4/25/2019	18:35:15	0.0	0.0	0.0	0.0
369	4/25/2019	18:35:45	0.0	0.0	0.0	0.0
370	4/25/2019	18:36:15	0.0	0.0	0.0	0.0
371	4/25/2019	18:36:45	0.0	0.0	0.0	0.0
372	4/25/2019	18:37:15	0.0	0.0	0.0	0.0

373	4/25/2019	18:37:45	0.0	0.0	0.0	0.0
374	4/25/2019	18:38:15	0.0	0.0	0.0	0.0
375	4/25/2019	18:38:45	0.0	0.0	0.0	0.0
376	4/25/2019	18:39:15	0.0	0.1	0.2	0.0
377	4/25/2019	18:39:45	0.0	0.0	0.0	0.0
378	4/25/2019	18:40:15	0.0	0.0	0.0	0.0
379	4/25/2019	18:40:45	0.0	0.0	0.0	0.0
380	4/25/2019	18:41:15	0.0	0.0	0.0	0.0
381	4/25/2019	18:41:45	0.0	0.0	0.0	0.0
382	4/25/2019	18:42:15	0.0	0.0	0.0	0.0
383	4/25/2019	18:42:45	0.0	0.0	0.0	0.0
384	4/25/2019	18:43:15	0.0	0.0	0.0	0.0
385	4/25/2019	18:43:45	0.0	0.0	0.0	0.0
386	4/25/2019	18:44:15	0.0	0.0	0.0	0.0
387	4/25/2019	18:44:45	0.0	0.0	0.0	0.0
388	4/25/2019	18:45:15	0.0	0.0	0.0	0.0
389	4/25/2019	18:45:45	0.0	0.0	0.0	0.0
390	4/25/2019	18:46:15	0.0	0.0	0.0	0.0
391	4/25/2019	18:46:45	0.0	0.0	0.0	0.0
392	4/25/2019	18:47:15	0.0	0.0	0.0	0.0
393	4/25/2019	18:47:45	0.0	0.0	0.0	0.0
394	4/25/2019	18:48:15	0.0	0.0	0.1	0.1
395	4/25/2019	18:48:45	0.0	0.0	0.2	0.0
396	4/25/2019	18:49:15	0.0	0.0	0.0	0.0
397	4/25/2019	18:49:45	0.0	0.0	0.1	0.0
398	4/25/2019	18:50:15	0.0	0.0	0.0	0.0
399	4/25/2019	18:50:45	0.0	0.0	0.0	0.0
400	4/25/2019	18:51:15	0.0	0.0	0.0	0.0
401	4/25/2019	18:51:45	0.0	0.0	0.3	0.0
402	4/25/2019	18:52:15	0.0	0.0	0.0	0.0
403	4/25/2019	18:52:45	0.0	0.0	0.0	0.0
404	4/25/2019	18:53:15	0.0	0.0	0.0	0.0
405	4/25/2019	18:53:45	0.0	0.0	0.1	0.0
406	4/25/2019	18:54:15	0.0	0.0	0.0	0.0
407	4/25/2019	18:54:45	0.0	0.0	0.0	0.0
408	4/25/2019	18:55:15	0.0	0.0	0.0	0.0
409	4/25/2019	18:55:45	0.0	0.1	0.3	0.2
410	4/25/2019	18:56:15	0.0	0.1	0.3	0.0
411	4/25/2019	18:56:45	0.0	0.0	0.0	0.0
412	4/25/2019	18:57:15	0.0	0.0	0.1	0.0
413	4/25/2019	18:57:45	0.0	0.0	0.0	0.0
414	4/25/2019	18:58:15	0.0	0.0	0.0	0.0
415	4/25/2019	18:58:45	0.0	0.0	0.0	0.0
416	4/25/2019	18:59:15	0.0	0.0	0.0	0.0
417	4/25/2019	18:59:45	0.0	0.0	0.0	0.0
418	4/25/2019	19:00:15	0.0	0.0	0.0	0.0
419	4/25/2019	19:00:45	0.0	0.0	0.0	0.0
420	4/25/2019	19:01:15	0.0	0.0	0.0	0.0
421	4/25/2019	19:01:45	0.0	0.0	0.0	0.0
422	4/25/2019	19:02:15	0.0	0.0	0.0	0.0

423	4/25/2019 19:02:45	0.0	0.0	0.0	0.0
424	4/25/2019 19:03:15	0.0	0.0	0.0	0.0
425	4/25/2019 19:03:45	0.0	0.0	0.0	0.0
426	4/25/2019 19:04:15	0.0	0.0	0.0	0.0
427	4/25/2019 19:04:45	0.0	0.0	0.0	0.0
428	4/25/2019 19:05:15	0.0	0.0	0.0	0.0
429	4/25/2019 19:05:45	0.0	0.0	0.0	0.0
430	4/25/2019 19:06:15	0.0	0.0	0.0	0.0
431	4/25/2019 19:06:45	0.0	0.0	0.0	0.0
432	4/25/2019 19:07:15	0.0	0.0	0.0	0.0
433	4/25/2019 19:07:45	0.0	0.0	0.0	0.0
434	4/25/2019 19:08:15	0.0	0.0	0.0	0.0
435	4/25/2019 19:08:45	0.0	0.0	0.0	0.0
436	4/25/2019 19:09:15	0.0	0.0	0.0	0.0
437	4/25/2019 19:09:45	0.0	0.0	0.0	0.0
438	4/25/2019 19:10:15	0.0	0.0	0.0	0.0
439	4/25/2019 19:10:45	0.0	0.0	0.0	0.0
440	4/25/2019 19:11:15	0.0	0.0	0.0	0.0
441	4/25/2019 19:11:45	0.0	0.0	0.0	0.0
442	4/25/2019 19:12:15	0.0	0.0	0.0	0.0
443	4/25/2019 19:12:45	0.0	0.0	0.0	0.0
444	4/25/2019 19:13:15	0.0	0.0	0.2	0.2
445	4/25/2019 19:13:45	0.0	0.0	0.3	0.0
446	4/25/2019 19:14:15	0.0	0.0	0.0	0.0
447	4/25/2019 19:14:45	0.0	0.0	0.0	0.0
448	4/25/2019 19:15:15	0.0	0.0	0.0	0.0
449	4/25/2019 19:15:45	0.0	0.0	0.0	0.0
450	4/25/2019 19:16:15	0.0	0.0	0.0	0.0
451	4/25/2019 19:16:45	0.0	0.0	0.0	0.0
452	4/25/2019 19:17:15	0.0	0.0	0.0	0.0
453	4/25/2019 19:17:45	0.0	0.0	0.0	0.0
454	4/25/2019 19:18:15	0.0	0.0	0.1	0.0
455	4/25/2019 19:18:45	0.0	0.0	0.0	0.0
Peak		0.0	0.1	0.3	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	4/25/2019 15:31:45	0.0	---
002	4/25/2019 15:32:15	0.0	---
003	4/25/2019 15:32:45	0.0	---
004	4/25/2019 15:33:15	0.0	---
005	4/25/2019 15:33:45	0.0	---
006	4/25/2019 15:34:15	0.0	---
007	4/25/2019 15:34:45	0.0	---
008	4/25/2019 15:35:15	0.0	---
009	4/25/2019 15:35:45	0.0	---

010	4/25/2019	15:36:15	0.0	---
011	4/25/2019	15:36:45	0.0	---
012	4/25/2019	15:37:15	0.0	---
013	4/25/2019	15:37:45	0.0	---
014	4/25/2019	15:38:15	0.0	---
015	4/25/2019	15:38:45	0.0	---
016	4/25/2019	15:39:15	0.0	---
017	4/25/2019	15:39:45	0.0	---
018	4/25/2019	15:40:15	0.0	---
019	4/25/2019	15:40:45	0.0	---
020	4/25/2019	15:41:15	0.0	---
021	4/25/2019	15:41:45	0.0	---
022	4/25/2019	15:42:15	0.0	---
023	4/25/2019	15:42:45	0.0	---
024	4/25/2019	15:43:15	0.0	---
025	4/25/2019	15:43:45	0.0	---
026	4/25/2019	15:44:15	0.0	---
027	4/25/2019	15:44:45	0.0	---
028	4/25/2019	15:45:15	0.0	---
029	4/25/2019	15:45:45	0.0	---
030	4/25/2019	15:46:15	0.0	0.0
031	4/25/2019	15:46:45	0.0	0.0
032	4/25/2019	15:47:15	0.0	0.0
033	4/25/2019	15:47:45	0.0	0.0
034	4/25/2019	15:48:15	0.0	0.0
035	4/25/2019	15:48:45	0.0	0.0
036	4/25/2019	15:49:15	0.0	0.0
037	4/25/2019	15:49:45	0.0	0.0
038	4/25/2019	15:50:15	0.0	0.0
039	4/25/2019	15:50:45	0.0	0.0
040	4/25/2019	15:51:15	0.0	0.0
041	4/25/2019	15:51:45	0.0	0.0
042	4/25/2019	15:52:15	0.0	0.0
043	4/25/2019	15:52:45	0.0	0.0
044	4/25/2019	15:53:15	0.0	0.0
045	4/25/2019	15:53:45	0.0	0.0
046	4/25/2019	15:54:15	0.0	0.0
047	4/25/2019	15:54:45	0.0	0.0
048	4/25/2019	15:55:15	0.0	0.0
049	4/25/2019	15:55:45	0.0	0.0
050	4/25/2019	15:56:15	0.0	0.0
051	4/25/2019	15:56:45	0.0	0.0
052	4/25/2019	15:57:15	0.0	0.0
053	4/25/2019	15:57:45	0.0	0.0
054	4/25/2019	15:58:15	0.0	0.0
055	4/25/2019	15:58:45	0.0	0.0
056	4/25/2019	15:59:15	0.0	0.0
057	4/25/2019	15:59:45	0.0	0.0
058	4/25/2019	16:00:15	0.0	0.0
059	4/25/2019	16:00:45	0.0	0.0

060	4/25/2019	16:01:15	0.0	0.0
061	4/25/2019	16:01:45	0.0	0.0
062	4/25/2019	16:02:15	0.0	0.0
063	4/25/2019	16:02:45	0.0	0.0
064	4/25/2019	16:03:15	0.0	0.0
065	4/25/2019	16:03:45	0.0	0.0
066	4/25/2019	16:04:15	0.0	0.0
067	4/25/2019	16:04:45	0.0	0.0
068	4/25/2019	16:05:15	0.0	0.0
069	4/25/2019	16:05:45	0.0	0.0
070	4/25/2019	16:06:15	0.0	0.0
071	4/25/2019	16:06:45	0.0	0.0
072	4/25/2019	16:07:15	0.0	0.0
073	4/25/2019	16:07:45	0.0	0.0
074	4/25/2019	16:08:15	0.0	0.0
075	4/25/2019	16:08:45	0.0	0.0
076	4/25/2019	16:09:15	0.0	0.0
077	4/25/2019	16:09:45	0.0	0.0
078	4/25/2019	16:10:15	0.0	0.0
079	4/25/2019	16:10:45	0.0	0.0
080	4/25/2019	16:11:15	0.0	0.0
081	4/25/2019	16:11:45	0.0	0.0
082	4/25/2019	16:12:15	0.0	0.0
083	4/25/2019	16:12:45	0.0	0.0
084	4/25/2019	16:13:15	0.0	0.0
085	4/25/2019	16:13:45	0.0	0.0
086	4/25/2019	16:14:15	0.0	0.0
087	4/25/2019	16:14:45	0.0	0.0
088	4/25/2019	16:15:15	0.0	0.0
089	4/25/2019	16:15:45	0.0	0.0
090	4/25/2019	16:16:15	0.0	0.0
091	4/25/2019	16:16:45	0.0	0.0
092	4/25/2019	16:17:15	0.0	0.0
093	4/25/2019	16:17:45	0.0	0.0
094	4/25/2019	16:18:15	0.0	0.0
095	4/25/2019	16:18:45	0.0	0.0
096	4/25/2019	16:19:15	0.0	0.0
097	4/25/2019	16:19:45	0.0	0.0
098	4/25/2019	16:20:15	0.0	0.0
099	4/25/2019	16:20:45	0.0	0.0
100	4/25/2019	16:21:15	0.0	0.0
101	4/25/2019	16:21:45	0.0	0.0
102	4/25/2019	16:22:15	0.0	0.0
103	4/25/2019	16:22:45	0.0	0.0
104	4/25/2019	16:23:15	0.0	0.0
105	4/25/2019	16:23:45	0.0	0.0
106	4/25/2019	16:24:15	0.0	0.0
107	4/25/2019	16:24:45	0.0	0.0
108	4/25/2019	16:25:15	0.0	0.0
109	4/25/2019	16:25:45	0.0	0.0

110	4/25/2019 16:26:15	0.0	0.0
111	4/25/2019 16:26:45	0.0	0.0
112	4/25/2019 16:27:15	0.0	0.0
113	4/25/2019 16:27:45	0.0	0.0
114	4/25/2019 16:28:15	0.0	0.0
115	4/25/2019 16:28:45	0.0	0.0
116	4/25/2019 16:29:15	0.0	0.0
117	4/25/2019 16:29:45	0.0	0.0
118	4/25/2019 16:30:15	0.0	0.0
119	4/25/2019 16:30:45	0.0	0.0
120	4/25/2019 16:31:15	0.0	0.0
121	4/25/2019 16:31:45	0.0	0.0
122	4/25/2019 16:32:15	0.0	0.0
123	4/25/2019 16:32:45	0.0	0.0
124	4/25/2019 16:33:15	0.0	0.0
125	4/25/2019 16:33:45	0.0	0.0
126	4/25/2019 16:34:15	0.0	0.0
127	4/25/2019 16:34:45	0.0	0.0
128	4/25/2019 16:35:15	0.0	0.0
129	4/25/2019 16:35:45	0.0	0.0
130	4/25/2019 16:36:15	0.0	0.0
131	4/25/2019 16:36:45	0.0	0.0
132	4/25/2019 16:37:15	0.0	0.0
133	4/25/2019 16:37:45	0.0	0.0
134	4/25/2019 16:38:15	0.0	0.0
135	4/25/2019 16:38:45	0.0	0.0
136	4/25/2019 16:39:15	0.0	0.0
137	4/25/2019 16:39:45	0.0	0.0
138	4/25/2019 16:40:15	0.0	0.0
139	4/25/2019 16:40:45	0.0	0.0
140	4/25/2019 16:41:15	0.0	0.0
141	4/25/2019 16:41:45	0.0	0.0
142	4/25/2019 16:42:15	0.0	0.0
143	4/25/2019 16:42:45	0.0	0.0
144	4/25/2019 16:43:15	0.0	0.0
145	4/25/2019 16:43:45	0.0	0.0
146	4/25/2019 16:44:15	0.0	0.0
147	4/25/2019 16:44:45	0.0	0.0
148	4/25/2019 16:45:15	0.0	0.0
149	4/25/2019 16:45:45	0.0	0.0
150	4/25/2019 16:46:15	0.0	0.0
151	4/25/2019 16:46:45	0.0	0.0
152	4/25/2019 16:47:15	0.0	0.0
153	4/25/2019 16:47:45	0.0	0.0
154	4/25/2019 16:48:15	0.0	0.0
155	4/25/2019 16:48:45	0.0	0.0
156	4/25/2019 16:49:15	0.0	0.0
157	4/25/2019 16:49:45	0.0	0.0
158	4/25/2019 16:50:15	0.0	0.0
159	4/25/2019 16:50:45	0.0	0.0

160	4/25/2019	16:51:15	0.0	0.0
161	4/25/2019	16:51:45	0.0	0.0
162	4/25/2019	16:52:15	0.0	0.0
163	4/25/2019	16:52:45	0.0	0.0
164	4/25/2019	16:53:15	0.0	0.0
165	4/25/2019	16:53:45	0.0	0.0
166	4/25/2019	16:54:15	0.0	0.0
167	4/25/2019	16:54:45	0.0	0.0
168	4/25/2019	16:55:15	0.0	0.0
169	4/25/2019	16:55:45	0.0	0.0
170	4/25/2019	16:56:15	0.0	0.0
171	4/25/2019	16:56:45	0.0	0.0
172	4/25/2019	16:57:15	0.0	0.0
173	4/25/2019	16:57:45	0.0	0.0
174	4/25/2019	16:58:15	0.0	0.0
175	4/25/2019	16:58:45	0.0	0.0
176	4/25/2019	16:59:15	0.0	0.0
177	4/25/2019	16:59:45	0.0	0.0
178	4/25/2019	17:00:15	0.0	0.0
179	4/25/2019	17:00:45	0.0	0.0
180	4/25/2019	17:01:15	0.0	0.0
181	4/25/2019	17:01:45	0.0	0.0
182	4/25/2019	17:02:15	0.0	0.0
183	4/25/2019	17:02:45	0.0	0.0
184	4/25/2019	17:03:15	0.0	0.0
185	4/25/2019	17:03:45	0.0	0.0
186	4/25/2019	17:04:15	0.0	0.0
187	4/25/2019	17:04:45	0.0	0.0
188	4/25/2019	17:05:15	0.0	0.0
189	4/25/2019	17:05:45	0.0	0.0
190	4/25/2019	17:06:15	0.0	0.0
191	4/25/2019	17:06:45	0.0	0.0
192	4/25/2019	17:07:15	0.0	0.0
193	4/25/2019	17:07:45	0.0	0.0
194	4/25/2019	17:08:15	0.0	0.0
195	4/25/2019	17:08:45	0.0	0.0
196	4/25/2019	17:09:15	0.0	0.0
197	4/25/2019	17:09:45	0.0	0.0
198	4/25/2019	17:10:15	0.0	0.0
199	4/25/2019	17:10:45	0.0	0.0
200	4/25/2019	17:11:15	0.0	0.0
201	4/25/2019	17:11:45	0.0	0.0
202	4/25/2019	17:12:15	0.0	0.0
203	4/25/2019	17:12:45	0.0	0.0
204	4/25/2019	17:13:15	0.0	0.0
205	4/25/2019	17:13:45	0.0	0.0
206	4/25/2019	17:14:15	0.0	0.0
207	4/25/2019	17:14:45	0.0	0.0
208	4/25/2019	17:15:15	0.0	0.0
209	4/25/2019	17:15:45	0.0	0.0

210	4/25/2019 17:16:15	0.0	0.0
211	4/25/2019 17:16:45	0.0	0.0
212	4/25/2019 17:17:15	0.0	0.0
213	4/25/2019 17:17:45	0.0	0.0
214	4/25/2019 17:18:15	0.0	0.0
215	4/25/2019 17:18:45	0.0	0.0
216	4/25/2019 17:19:15	0.0	0.0
217	4/25/2019 17:19:45	0.0	0.0
218	4/25/2019 17:20:15	0.0	0.0
219	4/25/2019 17:20:45	0.0	0.0
220	4/25/2019 17:21:15	0.0	0.0
221	4/25/2019 17:21:45	0.0	0.0
222	4/25/2019 17:22:15	0.0	0.0
223	4/25/2019 17:22:45	0.0	0.0
224	4/25/2019 17:23:15	0.0	0.0
225	4/25/2019 17:23:45	0.0	0.0
226	4/25/2019 17:24:15	0.0	0.0
227	4/25/2019 17:24:45	0.0	0.0
228	4/25/2019 17:25:15	0.0	0.0
229	4/25/2019 17:25:45	0.0	0.0
230	4/25/2019 17:26:15	0.0	0.0
231	4/25/2019 17:26:45	0.0	0.0
232	4/25/2019 17:27:15	0.0	0.0
233	4/25/2019 17:27:45	0.0	0.0
234	4/25/2019 17:28:15	0.0	0.0
235	4/25/2019 17:28:45	0.0	0.0
236	4/25/2019 17:29:15	0.0	0.0
237	4/25/2019 17:29:45	0.0	0.0
238	4/25/2019 17:30:15	0.0	0.0
239	4/25/2019 17:30:45	0.0	0.0
240	4/25/2019 17:31:15	0.0	0.0
241	4/25/2019 17:31:45	0.0	0.0
242	4/25/2019 17:32:15	0.0	0.0
243	4/25/2019 17:32:45	0.0	0.0
244	4/25/2019 17:33:15	0.0	0.0
245	4/25/2019 17:33:45	0.0	0.0
246	4/25/2019 17:34:15	0.0	0.0
247	4/25/2019 17:34:45	0.0	0.0
248	4/25/2019 17:35:15	0.0	0.0
249	4/25/2019 17:35:45	0.0	0.0
250	4/25/2019 17:36:15	0.0	0.0
251	4/25/2019 17:36:45	0.0	0.0
252	4/25/2019 17:37:15	0.0	0.0
253	4/25/2019 17:37:45	0.0	0.0
254	4/25/2019 17:38:15	0.0	0.0
255	4/25/2019 17:38:45	0.0	0.0
256	4/25/2019 17:39:15	0.0	0.0
257	4/25/2019 17:39:45	0.0	0.0
258	4/25/2019 17:40:15	0.0	0.0
259	4/25/2019 17:40:45	0.0	0.0

260	4/25/2019 17:41:15	0.0	0.0
261	4/25/2019 17:41:45	0.0	0.0
262	4/25/2019 17:42:15	0.0	0.0
263	4/25/2019 17:42:45	0.0	0.0
264	4/25/2019 17:43:15	0.0	0.0
265	4/25/2019 17:43:45	0.0	0.0
266	4/25/2019 17:44:15	0.0	0.0
267	4/25/2019 17:44:45	0.0	0.0
268	4/25/2019 17:45:15	0.0	0.0
269	4/25/2019 17:45:45	0.0	0.0
270	4/25/2019 17:46:15	0.0	0.0
271	4/25/2019 17:46:45	0.0	0.0
272	4/25/2019 17:47:15	0.0	0.0
273	4/25/2019 17:47:45	0.0	0.0
274	4/25/2019 17:48:15	0.0	0.0
275	4/25/2019 17:48:45	0.0	0.0
276	4/25/2019 17:49:15	0.0	0.0
277	4/25/2019 17:49:45	0.0	0.0
278	4/25/2019 17:50:15	0.0	0.0
279	4/25/2019 17:50:45	0.0	0.0
280	4/25/2019 17:51:15	0.0	0.0
281	4/25/2019 17:51:45	0.0	0.0
282	4/25/2019 17:52:15	0.0	0.0
283	4/25/2019 17:52:45	0.0	0.0
284	4/25/2019 17:53:15	0.0	0.0
285	4/25/2019 17:53:45	0.0	0.0
286	4/25/2019 17:54:15	0.0	0.0
287	4/25/2019 17:54:45	0.0	0.0
288	4/25/2019 17:55:15	0.0	0.0
289	4/25/2019 17:55:45	0.0	0.0
290	4/25/2019 17:56:15	0.0	0.0
291	4/25/2019 17:56:45	0.0	0.0
292	4/25/2019 17:57:15	0.0	0.0
293	4/25/2019 17:57:45	0.0	0.0
294	4/25/2019 17:58:15	0.0	0.0
295	4/25/2019 17:58:45	0.0	0.0
296	4/25/2019 17:59:15	0.0	0.0
297	4/25/2019 17:59:45	0.0	0.0
298	4/25/2019 18:00:15	0.0	0.0
299	4/25/2019 18:00:45	0.0	0.0
300	4/25/2019 18:01:15	0.0	0.0
301	4/25/2019 18:01:45	0.0	0.0
302	4/25/2019 18:02:15	0.0	0.0
303	4/25/2019 18:02:45	0.0	0.0
304	4/25/2019 18:03:15	0.0	0.0
305	4/25/2019 18:03:45	0.0	0.0
306	4/25/2019 18:04:15	0.0	0.0
307	4/25/2019 18:04:45	0.0	0.0
308	4/25/2019 18:05:15	0.0	0.0
309	4/25/2019 18:05:45	0.0	0.0

310	4/25/2019 18:06:15	0.0	0.0
311	4/25/2019 18:06:45	0.0	0.0
312	4/25/2019 18:07:15	0.0	0.0
313	4/25/2019 18:07:45	0.0	0.0
314	4/25/2019 18:08:15	0.0	0.0
315	4/25/2019 18:08:45	0.0	0.0
316	4/25/2019 18:09:15	0.0	0.0
317	4/25/2019 18:09:45	0.0	0.0
318	4/25/2019 18:10:15	0.0	0.0
319	4/25/2019 18:10:45	0.0	0.0
320	4/25/2019 18:11:15	0.0	0.0
321	4/25/2019 18:11:45	0.0	0.0
322	4/25/2019 18:12:15	0.0	0.0
323	4/25/2019 18:12:45	0.0	0.0
324	4/25/2019 18:13:15	0.0	0.0
325	4/25/2019 18:13:45	0.0	0.0
326	4/25/2019 18:14:15	0.0	0.0
327	4/25/2019 18:14:45	0.0	0.0
328	4/25/2019 18:15:15	0.0	0.0
329	4/25/2019 18:15:45	0.0	0.0
330	4/25/2019 18:16:15	0.0	0.0
331	4/25/2019 18:16:45	0.0	0.0
332	4/25/2019 18:17:15	0.0	0.0
333	4/25/2019 18:17:45	0.0	0.0
334	4/25/2019 18:18:15	0.0	0.0
335	4/25/2019 18:18:45	0.0	0.0
336	4/25/2019 18:19:15	0.0	0.0
337	4/25/2019 18:19:45	0.0	0.0
338	4/25/2019 18:20:15	0.0	0.0
339	4/25/2019 18:20:45	0.0	0.0
340	4/25/2019 18:21:15	0.0	0.0
341	4/25/2019 18:21:45	0.0	0.0
342	4/25/2019 18:22:15	0.0	0.0
343	4/25/2019 18:22:45	0.0	0.0
344	4/25/2019 18:23:15	0.0	0.0
345	4/25/2019 18:23:45	0.0	0.0
346	4/25/2019 18:24:15	0.0	0.0
347	4/25/2019 18:24:45	0.0	0.0
348	4/25/2019 18:25:15	0.0	0.0
349	4/25/2019 18:25:45	0.0	0.0
350	4/25/2019 18:26:15	0.0	0.0
351	4/25/2019 18:26:45	0.0	0.0
352	4/25/2019 18:27:15	0.0	0.0
353	4/25/2019 18:27:45	0.0	0.0
354	4/25/2019 18:28:15	0.0	0.0
355	4/25/2019 18:28:45	0.0	0.0
356	4/25/2019 18:29:15	0.0	0.0
357	4/25/2019 18:29:45	0.0	0.0
358	4/25/2019 18:30:15	0.0	0.0
359	4/25/2019 18:30:45	0.0	0.0

360	4/25/2019 18:31:15	0.0	0.0
361	4/25/2019 18:31:45	0.0	0.0
362	4/25/2019 18:32:15	0.0	0.0
363	4/25/2019 18:32:45	0.0	0.0
364	4/25/2019 18:33:15	0.0	0.0
365	4/25/2019 18:33:45	0.0	0.0
366	4/25/2019 18:34:15	0.0	0.0
367	4/25/2019 18:34:45	0.0	0.0
368	4/25/2019 18:35:15	0.0	0.0
369	4/25/2019 18:35:45	0.0	0.0
370	4/25/2019 18:36:15	0.0	0.0
371	4/25/2019 18:36:45	0.0	0.0
372	4/25/2019 18:37:15	0.0	0.0
373	4/25/2019 18:37:45	0.0	0.0
374	4/25/2019 18:38:15	0.0	0.0
375	4/25/2019 18:38:45	0.0	0.0
376	4/25/2019 18:39:15	0.0	0.0
377	4/25/2019 18:39:45	0.0	0.0
378	4/25/2019 18:40:15	0.0	0.0
379	4/25/2019 18:40:45	0.0	0.0
380	4/25/2019 18:41:15	0.0	0.0
381	4/25/2019 18:41:45	0.0	0.0
382	4/25/2019 18:42:15	0.0	0.0
383	4/25/2019 18:42:45	0.0	0.0
384	4/25/2019 18:43:15	0.0	0.0
385	4/25/2019 18:43:45	0.0	0.0
386	4/25/2019 18:44:15	0.0	0.0
387	4/25/2019 18:44:45	0.0	0.0
388	4/25/2019 18:45:15	0.0	0.0
389	4/25/2019 18:45:45	0.0	0.0
390	4/25/2019 18:46:15	0.0	0.0
391	4/25/2019 18:46:45	0.0	0.0
392	4/25/2019 18:47:15	0.0	0.0
393	4/25/2019 18:47:45	0.0	0.0
394	4/25/2019 18:48:15	0.0	0.0
395	4/25/2019 18:48:45	0.0	0.0
396	4/25/2019 18:49:15	0.0	0.0
397	4/25/2019 18:49:45	0.0	0.0
398	4/25/2019 18:50:15	0.0	0.0
399	4/25/2019 18:50:45	0.0	0.0
400	4/25/2019 18:51:15	0.0	0.0
401	4/25/2019 18:51:45	0.0	0.0
402	4/25/2019 18:52:15	0.0	0.0
403	4/25/2019 18:52:45	0.0	0.0
404	4/25/2019 18:53:15	0.0	0.0
405	4/25/2019 18:53:45	0.0	0.0
406	4/25/2019 18:54:15	0.0	0.0
407	4/25/2019 18:54:45	0.0	0.0
408	4/25/2019 18:55:15	0.0	0.0
409	4/25/2019 18:55:45	0.0	0.0

410	4/25/2019 18:56:15	0.0	0.0
411	4/25/2019 18:56:45	0.0	0.0
412	4/25/2019 18:57:15	0.0	0.0
413	4/25/2019 18:57:45	0.0	0.0
414	4/25/2019 18:58:15	0.0	0.0
415	4/25/2019 18:58:45	0.0	0.0
416	4/25/2019 18:59:15	0.0	0.0
417	4/25/2019 18:59:45	0.0	0.0
418	4/25/2019 19:00:15	0.0	0.0
419	4/25/2019 19:00:45	0.0	0.0
420	4/25/2019 19:01:15	0.0	0.0
421	4/25/2019 19:01:45	0.0	0.0
422	4/25/2019 19:02:15	0.0	0.0
423	4/25/2019 19:02:45	0.0	0.0
424	4/25/2019 19:03:15	0.0	0.0
425	4/25/2019 19:03:45	0.0	0.0
426	4/25/2019 19:04:15	0.0	0.0
427	4/25/2019 19:04:45	0.0	0.0
428	4/25/2019 19:05:15	0.0	0.0
429	4/25/2019 19:05:45	0.0	0.0
430	4/25/2019 19:06:15	0.0	0.0
431	4/25/2019 19:06:45	0.0	0.0
432	4/25/2019 19:07:15	0.0	0.0
433	4/25/2019 19:07:45	0.0	0.0
434	4/25/2019 19:08:15	0.0	0.0
435	4/25/2019 19:08:45	0.0	0.0
436	4/25/2019 19:09:15	0.0	0.0
437	4/25/2019 19:09:45	0.0	0.0
438	4/25/2019 19:10:15	0.0	0.0
439	4/25/2019 19:10:45	0.0	0.0
440	4/25/2019 19:11:15	0.0	0.0
441	4/25/2019 19:11:45	0.0	0.0
442	4/25/2019 19:12:15	0.0	0.0
443	4/25/2019 19:12:45	0.0	0.0
444	4/25/2019 19:13:15	0.0	0.0
445	4/25/2019 19:13:45	0.0	0.0
446	4/25/2019 19:14:15	0.0	0.0
447	4/25/2019 19:14:45	0.0	0.0
448	4/25/2019 19:15:15	0.0	0.0
449	4/25/2019 19:15:45	0.0	0.0
450	4/25/2019 19:16:15	0.0	0.0
451	4/25/2019 19:16:45	0.0	0.0
452	4/25/2019 19:17:15	0.0	0.0
453	4/25/2019 19:17:45	0.0	0.0
454	4/25/2019 19:18:15	0.0	0.0
455	4/25/2019 19:18:45	0.0	0.0

```
============================================================
19/06/19 10:02
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-922384
Unit Firmware Ver       V2.20
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Power Down
------------------------------------------------------------
Site ID RAE00000
User ID USER0000
------------------------------------------------------------
Begin   6/19/2019 10:02:35
End     6/19/2019 14:05:16
Sample Period(s)        60
Number of Records       242
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030211V7
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        6/19/2019 07:25
Peak    0.1
Min     0.0
Average 0.0

************************************************************
Datalog
                PID(ppm)        PID(ppm)        PID(ppm)        PID(ppm)
Index   Date/Time       (Min)   (Avg)   (Max)   (Real)
001     6/19/2019 10:03:35      0.0     0.0     0.0     0.0
002     6/19/2019 10:04:35      0.0     0.0     0.0     0.0
003     6/19/2019 10:05:35      0.0     0.0     0.0     0.0
004     6/19/2019 10:06:35      0.0     0.0     0.0     0.0
005     6/19/2019 10:07:35      0.0     0.0     0.0     0.0
006     6/19/2019 10:08:35      0.0     0.0     0.0     0.0
007     6/19/2019 10:09:35      0.0     0.0     0.0     0.0
008     6/19/2019 10:10:35      0.0     0.0     0.0     0.0
```

009	6/19/2019	10:11:35	0.0	0.0	0.0	0.0
010	6/19/2019	10:12:35	0.0	0.0	0.0	0.0
011	6/19/2019	10:13:35	0.0	0.0	0.0	0.0
012	6/19/2019	10:14:35	0.0	0.2	0.4	0.0
013	6/19/2019	10:15:35	0.0	0.0	0.0	0.0
014	6/19/2019	10:16:35	0.0	0.0	0.0	0.0
015	6/19/2019	10:17:35	0.0	0.0	0.0	0.0
016	6/19/2019	10:18:35	0.0	0.0	0.0	0.0
017	6/19/2019	10:19:35	0.0	0.0	0.0	0.0
018	6/19/2019	10:20:35	0.0	0.0	0.0	0.0
019	6/19/2019	10:21:35	0.0	0.0	0.0	0.0
020	6/19/2019	10:22:35	0.0	0.0	0.0	0.0
021	6/19/2019	10:23:35	0.0	0.0	0.0	0.0
022	6/19/2019	10:24:35	0.0	0.0	0.0	0.0
023	6/19/2019	10:25:35	0.0	0.0	0.0	0.0
024	6/19/2019	10:26:35	0.0	0.0	0.1	0.0
025	6/19/2019	10:27:35	0.0	0.0	0.1	0.0
026	6/19/2019	10:28:35	0.0	0.0	0.0	0.0
027	6/19/2019	10:29:35	0.0	0.0	0.0	0.0
028	6/19/2019	10:30:35	0.0	0.0	0.0	0.0
029	6/19/2019	10:31:35	0.0	0.0	0.0	0.0
030	6/19/2019	10:32:35	0.0	0.0	0.0	0.0
031	6/19/2019	10:33:35	0.0	0.0	0.1	0.0
032	6/19/2019	10:34:35	0.0	0.0	0.0	0.0
033	6/19/2019	10:35:35	0.0	0.0	0.0	0.0
034	6/19/2019	10:36:35	0.0	0.0	0.0	0.0
035	6/19/2019	10:37:35	0.0	0.0	0.0	0.0
036	6/19/2019	10:38:35	0.0	0.0	0.0	0.0
037	6/19/2019	10:39:35	0.0	0.1	0.1	0.1
038	6/19/2019	10:40:35	0.1	0.1	0.1	0.1
039	6/19/2019	10:41:35	0.0	0.0	0.1	0.0
040	6/19/2019	10:42:35	0.0	0.0	0.2	0.0
041	6/19/2019	10:43:35	0.0	0.0	0.0	0.0
042	6/19/2019	10:44:35	0.0	0.0	0.0	0.0
043	6/19/2019	10:45:35	0.0	0.0	0.0	0.0
044	6/19/2019	10:46:35	0.0	0.0	0.0	0.0
045	6/19/2019	10:47:35	0.0	0.0	0.0	0.0
046	6/19/2019	10:48:35	0.0	0.0	0.0	0.0
047	6/19/2019	10:49:35	0.0	0.0	0.0	0.0
048	6/19/2019	10:50:35	0.0	0.0	0.0	0.0
049	6/19/2019	10:51:35	0.0	0.0	0.0	0.0
050	6/19/2019	10:52:35	0.0	0.0	0.0	0.0
051	6/19/2019	10:53:35	0.0	0.0	0.0	0.0
052	6/19/2019	10:54:35	0.0	0.0	0.0	0.0
053	6/19/2019	10:55:35	0.0	0.0	0.0	0.0
054	6/19/2019	10:56:35	0.0	0.0	0.0	0.0
055	6/19/2019	10:57:35	0.0	0.0	0.0	0.0
056	6/19/2019	10:58:35	0.0	0.0	0.0	0.0
057	6/19/2019	10:59:35	0.0	0.0	0.0	0.0
058	6/19/2019	11:00:35	0.0	0.0	0.0	0.0

059	6/19/2019	11:01:35	0.0	0.0	0.0	0.0
060	6/19/2019	11:02:35	0.0	0.0	0.0	0.0
061	6/19/2019	11:03:35	0.0	0.0	0.0	0.0
062	6/19/2019	11:04:35	0.0	0.0	0.0	0.0
063	6/19/2019	11:05:35	0.0	0.0	0.0	0.0
064	6/19/2019	11:06:35	0.0	0.0	0.0	0.0
065	6/19/2019	11:07:35	0.0	0.0	0.0	0.0
066	6/19/2019	11:08:35	0.0	0.0	0.0	0.0
067	6/19/2019	11:09:35	0.0	0.0	0.0	0.0
068	6/19/2019	11:10:35	0.0	0.0	0.0	0.0
069	6/19/2019	11:11:35	0.0	0.0	0.0	0.0
070	6/19/2019	11:12:35	0.0	0.0	0.0	0.0
071	6/19/2019	11:13:35	0.0	0.0	0.0	0.0
072	6/19/2019	11:14:35	0.0	0.0	0.0	0.0
073	6/19/2019	11:15:35	0.0	0.0	0.0	0.0
074	6/19/2019	11:16:35	0.0	0.0	0.0	0.0
075	6/19/2019	11:17:35	0.0	0.0	0.0	0.0
076	6/19/2019	11:18:35	0.0	0.0	0.0	0.0
077	6/19/2019	11:19:35	0.0	0.0	0.0	0.0
078	6/19/2019	11:20:35	0.0	0.0	0.0	0.0
079	6/19/2019	11:21:35	0.0	0.0	0.0	0.0
080	6/19/2019	11:22:35	0.0	0.0	0.0	0.0
081	6/19/2019	11:23:35	0.0	0.0	0.0	0.0
082	6/19/2019	11:24:35	0.0	0.0	0.0	0.0
083	6/19/2019	11:25:35	0.0	0.0	0.0	0.0
084	6/19/2019	11:26:35	0.0	0.0	0.0	0.0
085	6/19/2019	11:27:35	0.0	0.0	0.0	0.0
086	6/19/2019	11:28:35	0.0	0.0	0.0	0.0
087	6/19/2019	11:29:35	0.0	0.0	0.0	0.0
088	6/19/2019	11:30:35	0.0	0.0	0.0	0.0
089	6/19/2019	11:31:35	0.0	0.0	0.0	0.0
090	6/19/2019	11:32:35	0.0	0.0	0.0	0.0
091	6/19/2019	11:33:35	0.0	0.0	0.0	0.0
092	6/19/2019	11:34:35	0.0	0.0	0.0	0.0
093	6/19/2019	11:35:35	0.0	0.0	0.0	0.0
094	6/19/2019	11:36:35	0.0	0.0	0.0	0.0
095	6/19/2019	11:37:35	0.0	0.0	0.0	0.0
096	6/19/2019	11:38:35	0.0	0.0	0.0	0.0
097	6/19/2019	11:39:35	0.0	0.0	0.0	0.0
098	6/19/2019	11:40:35	0.0	0.0	0.0	0.0
099	6/19/2019	11:41:35	0.0	0.0	0.0	0.0
100	6/19/2019	11:42:35	0.0	0.0	0.0	0.0
101	6/19/2019	11:43:35	0.0	0.0	0.0	0.0
102	6/19/2019	11:44:35	0.0	0.0	0.0	0.0
103	6/19/2019	11:45:35	0.0	0.0	0.0	0.0
104	6/19/2019	11:46:35	0.0	0.0	0.0	0.0
105	6/19/2019	11:47:35	0.0	0.0	0.0	0.0
106	6/19/2019	11:48:35	0.0	0.0	0.0	0.0
107	6/19/2019	11:49:35	0.0	0.0	0.0	0.0
108	6/19/2019	11:50:35	0.0	0.0	0.0	0.0

109	6/19/2019	11:51:35	0.0	0.0	0.0	0.0
110	6/19/2019	11:52:35	0.0	0.0	0.0	0.0
111	6/19/2019	11:53:35	0.0	0.0	0.0	0.0
112	6/19/2019	11:54:35	0.0	0.0	0.0	0.0
113	6/19/2019	11:55:35	0.0	0.0	0.0	0.0
114	6/19/2019	11:56:35	0.0	0.0	0.0	0.0
115	6/19/2019	11:57:35	0.0	0.0	0.0	0.0
116	6/19/2019	11:58:35	0.0	0.0	0.0	0.0
117	6/19/2019	11:59:35	0.0	0.0	0.0	0.0
118	6/19/2019	12:00:35	0.0	0.0	0.0	0.0
119	6/19/2019	12:01:35	0.0	0.0	0.0	0.0
120	6/19/2019	12:02:35	0.0	0.0	0.0	0.0
121	6/19/2019	12:03:35	0.0	0.0	0.0	0.0
122	6/19/2019	12:04:35	0.0	0.0	0.0	0.0
123	6/19/2019	12:05:35	0.0	0.0	0.0	0.0
124	6/19/2019	12:06:35	0.0	0.0	0.0	0.0
125	6/19/2019	12:07:35	0.0	0.0	0.0	0.0
126	6/19/2019	12:08:35	0.0	0.0	0.0	0.0
127	6/19/2019	12:09:35	0.0	0.0	0.0	0.0
128	6/19/2019	12:10:35	0.0	0.0	0.0	0.0
129	6/19/2019	12:11:35	0.0	0.0	0.0	0.0
130	6/19/2019	12:12:35	0.0	0.0	0.0	0.0
131	6/19/2019	12:13:35	0.0	0.0	0.0	0.0
132	6/19/2019	12:14:35	0.0	0.0	0.0	0.0
133	6/19/2019	12:15:35	0.0	0.0	0.0	0.0
134	6/19/2019	12:16:35	0.0	0.0	0.0	0.0
135	6/19/2019	12:17:35	0.0	0.0	0.0	0.0
136	6/19/2019	12:18:35	0.0	0.0	0.0	0.0
137	6/19/2019	12:19:35	0.0	0.0	0.0	0.0
138	6/19/2019	12:20:35	0.0	0.0	0.0	0.0
139	6/19/2019	12:21:35	0.0	0.0	0.0	0.0
140	6/19/2019	12:22:35	0.0	0.0	0.0	0.0
141	6/19/2019	12:23:35	0.0	0.0	0.0	0.0
142	6/19/2019	12:24:35	0.0	0.0	0.0	0.0
143	6/19/2019	12:25:35	0.0	0.0	0.0	0.0
144	6/19/2019	12:26:35	0.0	0.0	0.0	0.0
145	6/19/2019	12:27:35	0.0	0.0	0.0	0.0
146	6/19/2019	12:28:35	0.0	0.0	0.0	0.0
147	6/19/2019	12:29:35	0.0	0.0	0.0	0.0
148	6/19/2019	12:30:35	0.0	0.0	0.0	0.0
149	6/19/2019	12:31:35	0.0	0.0	0.0	0.0
150	6/19/2019	12:32:35	0.0	0.0	0.0	0.0
151	6/19/2019	12:33:35	0.0	0.0	0.0	0.0
152	6/19/2019	12:34:35	0.0	0.0	0.0	0.0
153	6/19/2019	12:35:35	0.0	0.0	0.0	0.0
154	6/19/2019	12:36:35	0.0	0.0	0.0	0.0
155	6/19/2019	12:37:35	0.0	0.0	0.0	0.0
156	6/19/2019	12:38:35	0.0	0.0	0.0	0.0
157	6/19/2019	12:39:35	0.0	0.0	0.0	0.0
158	6/19/2019	12:40:35	0.0	0.0	0.0	0.0

159	6/19/2019	12:41:35	0.0	0.0	0.0	0.0
160	6/19/2019	12:42:35	0.0	0.0	0.0	0.0
161	6/19/2019	12:43:35	0.0	0.0	0.0	0.0
162	6/19/2019	12:44:35	0.0	0.0	0.0	0.0
163	6/19/2019	12:45:35	0.0	0.0	0.0	0.0
164	6/19/2019	12:46:35	0.0	0.0	0.0	0.0
165	6/19/2019	12:47:35	0.0	0.0	0.0	0.0
166	6/19/2019	12:48:35	0.0	0.0	0.0	0.0
167	6/19/2019	12:49:35	0.0	0.0	0.0	0.0
168	6/19/2019	12:50:35	0.0	0.0	0.0	0.0
169	6/19/2019	12:51:35	0.0	0.0	0.0	0.0
170	6/19/2019	12:52:35	0.0	0.0	0.0	0.0
171	6/19/2019	12:53:35	0.0	0.0	0.0	0.0
172	6/19/2019	12:54:35	0.0	0.0	0.0	0.0
173	6/19/2019	12:55:35	0.0	0.0	0.0	0.0
174	6/19/2019	12:56:35	0.0	0.0	0.0	0.0
175	6/19/2019	12:57:35	0.0	0.0	0.0	0.0
176	6/19/2019	12:58:35	0.0	0.0	0.0	0.0
177	6/19/2019	12:59:35	0.0	0.0	0.0	0.0
178	6/19/2019	13:00:35	0.0	0.0	0.0	0.0
179	6/19/2019	13:01:35	0.0	0.0	0.0	0.0
180	6/19/2019	13:02:35	0.0	0.0	0.0	0.0
181	6/19/2019	13:03:35	0.0	0.0	0.0	0.0
182	6/19/2019	13:04:35	0.0	0.0	0.0	0.0
183	6/19/2019	13:05:35	0.0	0.0	0.0	0.0
184	6/19/2019	13:06:35	0.0	0.0	0.0	0.0
185	6/19/2019	13:07:35	0.0	0.0	0.0	0.0
186	6/19/2019	13:08:35	0.0	0.0	0.0	0.0
187	6/19/2019	13:09:35	0.0	0.0	0.0	0.0
188	6/19/2019	13:10:35	0.0	0.0	0.0	0.0
189	6/19/2019	13:11:35	0.0	0.0	0.0	0.0
190	6/19/2019	13:12:35	0.0	0.0	0.0	0.0
191	6/19/2019	13:13:35	0.0	0.0	0.0	0.0
192	6/19/2019	13:14:35	0.0	0.0	0.0	0.0
193	6/19/2019	13:15:35	0.0	0.0	0.0	0.0
194	6/19/2019	13:16:35	0.0	0.0	0.0	0.0
195	6/19/2019	13:17:35	0.0	0.0	0.0	0.0
196	6/19/2019	13:18:35	0.0	0.0	0.0	0.0
197	6/19/2019	13:19:35	0.0	0.0	0.0	0.0
198	6/19/2019	13:20:35	0.0	0.0	0.0	0.0
199	6/19/2019	13:21:35	0.0	0.0	0.0	0.0
200	6/19/2019	13:22:35	0.0	0.0	0.0	0.0
201	6/19/2019	13:23:35	0.0	0.0	0.0	0.0
202	6/19/2019	13:24:35	0.0	0.0	0.0	0.0
203	6/19/2019	13:25:35	0.0	0.0	0.0	0.0
204	6/19/2019	13:26:35	0.0	0.0	0.0	0.0
205	6/19/2019	13:27:35	0.0	0.0	0.0	0.0
206	6/19/2019	13:28:35	0.0	0.0	0.0	0.0
207	6/19/2019	13:29:35	0.0	0.0	0.0	0.0
208	6/19/2019	13:30:35	0.0	0.0	0.0	0.0

209	6/19/2019 13:31:35	0.0	0.0	0.0	0.0
210	6/19/2019 13:32:35	0.0	0.0	0.0	0.0
211	6/19/2019 13:33:35	0.0	0.0	0.0	0.0
212	6/19/2019 13:34:35	0.0	0.0	0.0	0.0
213	6/19/2019 13:35:35	0.0	0.0	0.0	0.0
214	6/19/2019 13:36:35	0.0	0.0	0.0	0.0
215	6/19/2019 13:37:35	0.0	0.0	0.0	0.0
216	6/19/2019 13:38:35	0.0	0.0	0.0	0.0
217	6/19/2019 13:39:35	0.0	0.0	0.0	0.0
218	6/19/2019 13:40:35	0.0	0.0	0.0	0.0
219	6/19/2019 13:41:35	0.0	0.0	0.0	0.0
220	6/19/2019 13:42:35	0.0	0.0	0.0	0.0
221	6/19/2019 13:43:35	0.0	0.0	0.0	0.0
222	6/19/2019 13:44:35	0.0	0.0	0.0	0.0
223	6/19/2019 13:45:35	0.0	0.0	0.0	0.0
224	6/19/2019 13:46:35	0.0	0.0	0.0	0.0
225	6/19/2019 13:47:35	0.0	0.0	0.0	0.0
226	6/19/2019 13:48:35	0.0	0.0	0.0	0.0
227	6/19/2019 13:49:35	0.0	0.0	0.0	0.0
228	6/19/2019 13:50:35	0.0	0.0	0.0	0.0
229	6/19/2019 13:51:35	0.0	0.0	0.0	0.0
230	6/19/2019 13:52:35	0.0	0.0	0.0	0.0
231	6/19/2019 13:53:35	0.0	0.0	0.0	0.0
232	6/19/2019 13:54:35	0.0	0.0	0.0	0.0
233	6/19/2019 13:55:35	0.0	0.0	0.0	0.0
234	6/19/2019 13:56:35	0.0	0.0	0.0	0.0
235	6/19/2019 13:57:35	0.0	0.0	0.0	0.0
236	6/19/2019 13:58:35	0.0	0.0	0.0	0.0
237	6/19/2019 13:59:35	0.0	0.0	0.0	0.0
238	6/19/2019 14:00:35	0.0	0.0	0.0	0.0
239	6/19/2019 14:01:35	0.0	0.0	0.0	0.0
240	6/19/2019 14:02:35	0.0	0.0	0.0	0.0
241	6/19/2019 14:03:35	0.0	0.0	0.0	0.0
242	6/19/2019 14:04:35	0.0	0.0	0.0	0.0
Peak		0.1	0.2	0.4	0.1
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	6/19/2019 10:03:35	0.0	---
002	6/19/2019 10:04:35	0.0	---
003	6/19/2019 10:05:35	0.0	---
004	6/19/2019 10:06:35	0.0	---
005	6/19/2019 10:07:35	0.0	---
006	6/19/2019 10:08:35	0.0	---
007	6/19/2019 10:09:35	0.0	---
008	6/19/2019 10:10:35	0.0	---

009	6/19/2019 10:11:35	0.0	---
010	6/19/2019 10:12:35	0.0	---
011	6/19/2019 10:13:35	0.0	---
012	6/19/2019 10:14:35	0.0	---
013	6/19/2019 10:15:35	0.0	---
014	6/19/2019 10:16:35	0.0	---
015	6/19/2019 10:17:35	0.0	0.0
016	6/19/2019 10:18:35	0.0	0.0
017	6/19/2019 10:19:35	0.0	0.0
018	6/19/2019 10:20:35	0.0	0.0
019	6/19/2019 10:21:35	0.0	0.0
020	6/19/2019 10:22:35	0.0	0.0
021	6/19/2019 10:23:35	0.0	0.0
022	6/19/2019 10:24:35	0.0	0.0
023	6/19/2019 10:25:35	0.0	0.0
024	6/19/2019 10:26:35	0.0	0.0
025	6/19/2019 10:27:35	0.0	0.0
026	6/19/2019 10:28:35	0.0	0.0
027	6/19/2019 10:29:35	0.0	0.0
028	6/19/2019 10:30:35	0.0	0.0
029	6/19/2019 10:31:35	0.0	0.0
030	6/19/2019 10:32:35	0.0	0.0
031	6/19/2019 10:33:35	0.0	0.0
032	6/19/2019 10:34:35	0.0	0.0
033	6/19/2019 10:35:35	0.0	0.0
034	6/19/2019 10:36:35	0.0	0.0
035	6/19/2019 10:37:35	0.0	0.0
036	6/19/2019 10:38:35	0.0	0.0
037	6/19/2019 10:39:35	0.0	0.0
038	6/19/2019 10:40:35	0.0	0.0
039	6/19/2019 10:41:35	0.0	0.0
040	6/19/2019 10:42:35	0.0	0.0
041	6/19/2019 10:43:35	0.0	0.0
042	6/19/2019 10:44:35	0.0	0.0
043	6/19/2019 10:45:35	0.0	0.0
044	6/19/2019 10:46:35	0.0	0.0
045	6/19/2019 10:47:35	0.0	0.0
046	6/19/2019 10:48:35	0.0	0.0
047	6/19/2019 10:49:35	0.0	0.0
048	6/19/2019 10:50:35	0.0	0.0
049	6/19/2019 10:51:35	0.0	0.0
050	6/19/2019 10:52:35	0.0	0.0
051	6/19/2019 10:53:35	0.0	0.0
052	6/19/2019 10:54:35	0.0	0.0
053	6/19/2019 10:55:35	0.0	0.0
054	6/19/2019 10:56:35	0.0	0.0
055	6/19/2019 10:57:35	0.0	0.0
056	6/19/2019 10:58:35	0.0	0.0
057	6/19/2019 10:59:35	0.0	0.0
058	6/19/2019 11:00:35	0.0	0.0

059	6/19/2019 11:01:35	0.0	0.0
060	6/19/2019 11:02:35	0.0	0.0
061	6/19/2019 11:03:35	0.0	0.0
062	6/19/2019 11:04:35	0.0	0.0
063	6/19/2019 11:05:35	0.0	0.0
064	6/19/2019 11:06:35	0.0	0.0
065	6/19/2019 11:07:35	0.0	0.0
066	6/19/2019 11:08:35	0.0	0.0
067	6/19/2019 11:09:35	0.0	0.0
068	6/19/2019 11:10:35	0.0	0.0
069	6/19/2019 11:11:35	0.0	0.0
070	6/19/2019 11:12:35	0.0	0.0
071	6/19/2019 11:13:35	0.0	0.0
072	6/19/2019 11:14:35	0.0	0.0
073	6/19/2019 11:15:35	0.0	0.0
074	6/19/2019 11:16:35	0.0	0.0
075	6/19/2019 11:17:35	0.0	0.0
076	6/19/2019 11:18:35	0.0	0.0
077	6/19/2019 11:19:35	0.0	0.0
078	6/19/2019 11:20:35	0.0	0.0
079	6/19/2019 11:21:35	0.0	0.0
080	6/19/2019 11:22:35	0.0	0.0
081	6/19/2019 11:23:35	0.0	0.0
082	6/19/2019 11:24:35	0.0	0.0
083	6/19/2019 11:25:35	0.0	0.0
084	6/19/2019 11:26:35	0.0	0.0
085	6/19/2019 11:27:35	0.0	0.0
086	6/19/2019 11:28:35	0.0	0.0
087	6/19/2019 11:29:35	0.0	0.0
088	6/19/2019 11:30:35	0.0	0.0
089	6/19/2019 11:31:35	0.0	0.0
090	6/19/2019 11:32:35	0.0	0.0
091	6/19/2019 11:33:35	0.0	0.0
092	6/19/2019 11:34:35	0.0	0.0
093	6/19/2019 11:35:35	0.0	0.0
094	6/19/2019 11:36:35	0.0	0.0
095	6/19/2019 11:37:35	0.0	0.0
096	6/19/2019 11:38:35	0.0	0.0
097	6/19/2019 11:39:35	0.0	0.0
098	6/19/2019 11:40:35	0.0	0.0
099	6/19/2019 11:41:35	0.0	0.0
100	6/19/2019 11:42:35	0.0	0.0
101	6/19/2019 11:43:35	0.0	0.0
102	6/19/2019 11:44:35	0.0	0.0
103	6/19/2019 11:45:35	0.0	0.0
104	6/19/2019 11:46:35	0.0	0.0
105	6/19/2019 11:47:35	0.0	0.0
106	6/19/2019 11:48:35	0.0	0.0
107	6/19/2019 11:49:35	0.0	0.0
108	6/19/2019 11:50:35	0.0	0.0

109	6/19/2019 11:51:35	0.0	0.0
110	6/19/2019 11:52:35	0.0	0.0
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112	6/19/2019 11:54:35	0.0	0.0
113	6/19/2019 11:55:35	0.0	0.0
114	6/19/2019 11:56:35	0.0	0.0
115	6/19/2019 11:57:35	0.0	0.0
116	6/19/2019 11:58:35	0.0	0.0
117	6/19/2019 11:59:35	0.0	0.0
118	6/19/2019 12:00:35	0.0	0.0
119	6/19/2019 12:01:35	0.0	0.0
120	6/19/2019 12:02:35	0.0	0.0
121	6/19/2019 12:03:35	0.0	0.0
122	6/19/2019 12:04:35	0.0	0.0
123	6/19/2019 12:05:35	0.0	0.0
124	6/19/2019 12:06:35	0.0	0.0
125	6/19/2019 12:07:35	0.0	0.0
126	6/19/2019 12:08:35	0.0	0.0
127	6/19/2019 12:09:35	0.0	0.0
128	6/19/2019 12:10:35	0.0	0.0
129	6/19/2019 12:11:35	0.0	0.0
130	6/19/2019 12:12:35	0.0	0.0
131	6/19/2019 12:13:35	0.0	0.0
132	6/19/2019 12:14:35	0.0	0.0
133	6/19/2019 12:15:35	0.0	0.0
134	6/19/2019 12:16:35	0.0	0.0
135	6/19/2019 12:17:35	0.0	0.0
136	6/19/2019 12:18:35	0.0	0.0
137	6/19/2019 12:19:35	0.0	0.0
138	6/19/2019 12:20:35	0.0	0.0
139	6/19/2019 12:21:35	0.0	0.0
140	6/19/2019 12:22:35	0.0	0.0
141	6/19/2019 12:23:35	0.0	0.0
142	6/19/2019 12:24:35	0.0	0.0
143	6/19/2019 12:25:35	0.0	0.0
144	6/19/2019 12:26:35	0.0	0.0
145	6/19/2019 12:27:35	0.0	0.0
146	6/19/2019 12:28:35	0.0	0.0
147	6/19/2019 12:29:35	0.0	0.0
148	6/19/2019 12:30:35	0.0	0.0
149	6/19/2019 12:31:35	0.0	0.0
150	6/19/2019 12:32:35	0.0	0.0
151	6/19/2019 12:33:35	0.0	0.0
152	6/19/2019 12:34:35	0.0	0.0
153	6/19/2019 12:35:35	0.0	0.0
154	6/19/2019 12:36:35	0.0	0.0
155	6/19/2019 12:37:35	0.0	0.0
156	6/19/2019 12:38:35	0.0	0.0
157	6/19/2019 12:39:35	0.0	0.0
158	6/19/2019 12:40:35	0.0	0.0

159	6/19/2019 12:41:35	0.0	0.0
160	6/19/2019 12:42:35	0.0	0.0
161	6/19/2019 12:43:35	0.0	0.0
162	6/19/2019 12:44:35	0.0	0.0
163	6/19/2019 12:45:35	0.0	0.0
164	6/19/2019 12:46:35	0.0	0.0
165	6/19/2019 12:47:35	0.0	0.0
166	6/19/2019 12:48:35	0.0	0.0
167	6/19/2019 12:49:35	0.0	0.0
168	6/19/2019 12:50:35	0.0	0.0
169	6/19/2019 12:51:35	0.0	0.0
170	6/19/2019 12:52:35	0.0	0.0
171	6/19/2019 12:53:35	0.0	0.0
172	6/19/2019 12:54:35	0.0	0.0
173	6/19/2019 12:55:35	0.0	0.0
174	6/19/2019 12:56:35	0.0	0.0
175	6/19/2019 12:57:35	0.0	0.0
176	6/19/2019 12:58:35	0.0	0.0
177	6/19/2019 12:59:35	0.0	0.0
178	6/19/2019 13:00:35	0.0	0.0
179	6/19/2019 13:01:35	0.0	0.0
180	6/19/2019 13:02:35	0.0	0.0
181	6/19/2019 13:03:35	0.0	0.0
182	6/19/2019 13:04:35	0.0	0.0
183	6/19/2019 13:05:35	0.0	0.0
184	6/19/2019 13:06:35	0.0	0.0
185	6/19/2019 13:07:35	0.0	0.0
186	6/19/2019 13:08:35	0.0	0.0
187	6/19/2019 13:09:35	0.0	0.0
188	6/19/2019 13:10:35	0.0	0.0
189	6/19/2019 13:11:35	0.0	0.0
190	6/19/2019 13:12:35	0.0	0.0
191	6/19/2019 13:13:35	0.0	0.0
192	6/19/2019 13:14:35	0.0	0.0
193	6/19/2019 13:15:35	0.0	0.0
194	6/19/2019 13:16:35	0.0	0.0
195	6/19/2019 13:17:35	0.0	0.0
196	6/19/2019 13:18:35	0.0	0.0
197	6/19/2019 13:19:35	0.0	0.0
198	6/19/2019 13:20:35	0.0	0.0
199	6/19/2019 13:21:35	0.0	0.0
200	6/19/2019 13:22:35	0.0	0.0
201	6/19/2019 13:23:35	0.0	0.0
202	6/19/2019 13:24:35	0.0	0.0
203	6/19/2019 13:25:35	0.0	0.0
204	6/19/2019 13:26:35	0.0	0.0
205	6/19/2019 13:27:35	0.0	0.0
206	6/19/2019 13:28:35	0.0	0.0
207	6/19/2019 13:29:35	0.0	0.0
208	6/19/2019 13:30:35	0.0	0.0

209	6/19/2019 13:31:35	0.0	0.0
210	6/19/2019 13:32:35	0.0	0.0
211	6/19/2019 13:33:35	0.0	0.0
212	6/19/2019 13:34:35	0.0	0.0
213	6/19/2019 13:35:35	0.0	0.0
214	6/19/2019 13:36:35	0.0	0.0
215	6/19/2019 13:37:35	0.0	0.0
216	6/19/2019 13:38:35	0.0	0.0
217	6/19/2019 13:39:35	0.0	0.0
218	6/19/2019 13:40:35	0.0	0.0
219	6/19/2019 13:41:35	0.0	0.0
220	6/19/2019 13:42:35	0.0	0.0
221	6/19/2019 13:43:35	0.0	0.0
222	6/19/2019 13:44:35	0.0	0.0
223	6/19/2019 13:45:35	0.0	0.0
224	6/19/2019 13:46:35	0.0	0.0
225	6/19/2019 13:47:35	0.0	0.0
226	6/19/2019 13:48:35	0.0	0.0
227	6/19/2019 13:49:35	0.0	0.0
228	6/19/2019 13:50:35	0.0	0.0
229	6/19/2019 13:51:35	0.0	0.0
230	6/19/2019 13:52:35	0.0	0.0
231	6/19/2019 13:53:35	0.0	0.0
232	6/19/2019 13:54:35	0.0	0.0
233	6/19/2019 13:55:35	0.0	0.0
234	6/19/2019 13:56:35	0.0	0.0
235	6/19/2019 13:57:35	0.0	0.0
236	6/19/2019 13:58:35	0.0	0.0
237	6/19/2019 13:59:35	0.0	0.0
238	6/19/2019 14:00:35	0.0	0.0
239	6/19/2019 14:01:35	0.0	0.0
240	6/19/2019 14:02:35	0.0	0.0
241	6/19/2019 14:03:35	0.0	0.0
242	6/19/2019 14:04:35	0.0	0.0

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19/06/20 07:57

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-922384

Unit Firmware Ver V2.20

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID USER0000

Begin 6/20/2019 07:57:53
End 6/20/2019 14:29:15
Sample Period(s) 60
Number of Records 391

Sensor PID(ppm)
Sensor SN S023030211V7
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 6/20/2019 07:46
Peak 0.5
Min 0.0
Average 0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/20/2019 07:58:53	0.0	0.0	0.0	0.0	
002	6/20/2019 07:59:53	0.0	0.0	0.0	0.0	
003	6/20/2019 08:00:53	0.0	0.0	0.0	0.0	
004	6/20/2019 08:01:53	0.0	0.0	0.0	0.0	
005	6/20/2019 08:02:53	0.0	0.0	0.0	0.0	
006	6/20/2019 08:03:53	0.0	0.0	0.0	0.0	
007	6/20/2019 08:04:53	0.0	0.0	0.0	0.0	
008	6/20/2019 08:05:53	0.0	0.0	0.0	0.0	
009	6/20/2019 08:06:53	0.0	0.0	0.0	0.0	
010	6/20/2019 08:07:53	0.0	0.0	0.0	0.0	
011	6/20/2019 08:08:53	0.0	0.0	0.0	0.0	
012	6/20/2019 08:09:53	0.0	0.0	0.0	0.0	
013	6/20/2019 08:10:53	0.0	0.0	0.0	0.0	
014	6/20/2019 08:11:53	0.0	0.0	0.0	0.0	
015	6/20/2019 08:12:53	0.0	0.0	0.0	0.0	
016	6/20/2019 08:13:53	0.0	0.0	0.0	0.0	
017	6/20/2019 08:14:53	0.0	0.0	0.0	0.0	
018	6/20/2019 08:15:53	0.0	0.0	0.0	0.0	
019	6/20/2019 08:16:53	0.0	0.0	0.0	0.0	
020	6/20/2019 08:17:53	0.0	0.0	0.0	0.0	
021	6/20/2019 08:18:53	0.0	0.0	0.0	0.0	
022	6/20/2019 08:19:53	0.0	0.0	0.0	0.0	
023	6/20/2019 08:20:53	0.0	0.0	0.0	0.0	
024	6/20/2019 08:21:53	0.0	0.0	0.0	0.0	

025	6/20/2019	08:22:53	0.0	0.0	0.0	0.0
026	6/20/2019	08:23:53	0.0	0.0	0.0	0.0
027	6/20/2019	08:24:53	0.0	0.0	0.0	0.0
028	6/20/2019	08:25:53	0.0	0.0	0.0	0.0
029	6/20/2019	08:26:53	0.0	0.0	0.0	0.0
030	6/20/2019	08:27:53	0.0	0.0	0.0	0.0
031	6/20/2019	08:28:53	0.0	0.0	0.0	0.0
032	6/20/2019	08:29:53	0.0	0.0	0.0	0.0
033	6/20/2019	08:30:53	0.0	0.0	0.0	0.0
034	6/20/2019	08:31:53	0.0	0.0	0.0	0.0
035	6/20/2019	08:32:53	0.0	0.0	0.0	0.0
036	6/20/2019	08:33:53	0.0	0.0	0.0	0.0
037	6/20/2019	08:34:53	0.0	0.0	0.0	0.0
038	6/20/2019	08:35:53	0.0	0.0	0.0	0.0
039	6/20/2019	08:36:53	0.0	0.0	0.0	0.0
040	6/20/2019	08:37:53	0.0	0.0	0.0	0.0
041	6/20/2019	08:38:53	0.0	0.0	0.0	0.0
042	6/20/2019	08:39:53	0.0	0.0	0.0	0.0
043	6/20/2019	08:40:53	0.0	0.0	0.0	0.0
044	6/20/2019	08:41:53	0.0	0.0	0.0	0.0
045	6/20/2019	08:42:53	0.0	0.0	0.0	0.0
046	6/20/2019	08:43:53	0.0	0.0	0.0	0.0
047	6/20/2019	08:44:53	0.0	0.0	0.0	0.0
048	6/20/2019	08:45:53	0.0	0.0	0.0	0.0
049	6/20/2019	08:46:53	0.0	0.0	0.0	0.0
050	6/20/2019	08:47:53	0.0	0.0	0.1	0.0
051	6/20/2019	08:48:53	0.0	0.0	0.1	0.0
052	6/20/2019	08:49:53	0.0	0.0	0.1	0.0
053	6/20/2019	08:50:53	0.0	0.0	0.0	0.0
054	6/20/2019	08:51:53	0.0	0.0	0.0	0.0
055	6/20/2019	08:52:53	0.0	0.0	0.0	0.0
056	6/20/2019	08:53:53	0.0	0.0	0.0	0.0
057	6/20/2019	08:54:53	0.0	0.0	0.0	0.0
058	6/20/2019	08:55:53	0.0	0.0	0.0	0.0
059	6/20/2019	08:56:53	0.0	0.0	0.0	0.0
060	6/20/2019	08:57:53	0.0	0.0	0.0	0.0
061	6/20/2019	08:58:53	0.0	0.0	0.0	0.0
062	6/20/2019	08:59:53	0.0	0.0	0.0	0.0
063	6/20/2019	09:00:53	0.0	0.0	0.0	0.0
064	6/20/2019	09:01:53	0.0	0.0	0.0	0.0
065	6/20/2019	09:02:53	0.0	0.0	0.0	0.0
066	6/20/2019	09:03:53	0.0	0.0	0.0	0.0
067	6/20/2019	09:04:53	0.0	0.0	0.0	0.0
068	6/20/2019	09:05:53	0.0	0.0	0.0	0.0
069	6/20/2019	09:06:53	0.0	0.0	0.0	0.0
070	6/20/2019	09:07:53	0.0	0.0	0.0	0.0
071	6/20/2019	09:08:53	0.0	0.0	0.0	0.0
072	6/20/2019	09:09:53	0.0	0.0	0.0	0.0
073	6/20/2019	09:10:53	0.0	0.0	0.0	0.0
074	6/20/2019	09:11:53	0.0	0.0	0.0	0.0

075	6/20/2019	09:12:53	0.0	0.0	0.0	0.0
076	6/20/2019	09:13:53	0.0	0.0	0.0	0.0
077	6/20/2019	09:14:53	0.0	0.0	0.0	0.0
078	6/20/2019	09:15:53	0.0	0.0	0.0	0.0
079	6/20/2019	09:16:53	0.0	0.0	0.0	0.0
080	6/20/2019	09:17:53	0.0	0.0	0.0	0.0
081	6/20/2019	09:18:53	0.0	0.0	0.0	0.0
082	6/20/2019	09:19:53	0.0	0.0	0.0	0.0
083	6/20/2019	09:20:53	0.0	0.0	0.0	0.0
084	6/20/2019	09:21:53	0.0	0.0	0.0	0.0
085	6/20/2019	09:22:53	0.0	0.0	0.0	0.0
086	6/20/2019	09:23:53	0.0	0.0	0.0	0.0
087	6/20/2019	09:24:53	0.0	0.0	0.0	0.0
088	6/20/2019	09:25:53	0.0	0.0	0.0	0.0
089	6/20/2019	09:26:53	0.0	0.0	0.0	0.0
090	6/20/2019	09:27:53	0.0	0.0	0.0	0.0
091	6/20/2019	09:28:53	0.0	0.0	0.0	0.0
092	6/20/2019	09:29:53	0.0	0.0	0.0	0.0
093	6/20/2019	09:30:53	0.0	0.0	0.0	0.0
094	6/20/2019	09:31:53	0.0	0.0	0.0	0.0
095	6/20/2019	09:32:53	0.0	0.0	0.0	0.0
096	6/20/2019	09:33:53	0.0	0.0	0.0	0.0
097	6/20/2019	09:34:53	0.0	0.0	0.0	0.0
098	6/20/2019	09:35:53	0.0	0.0	0.0	0.0
099	6/20/2019	09:36:53	0.0	0.0	0.0	0.0
100	6/20/2019	09:37:53	0.0	0.0	0.0	0.0
101	6/20/2019	09:38:53	0.0	0.0	0.0	0.0
102	6/20/2019	09:39:53	0.0	0.0	0.0	0.0
103	6/20/2019	09:40:53	0.0	0.0	0.0	0.0
104	6/20/2019	09:41:53	0.0	0.0	0.0	0.0
105	6/20/2019	09:42:53	0.0	0.0	0.0	0.0
106	6/20/2019	09:43:53	0.0	0.0	0.0	0.0
107	6/20/2019	09:44:53	0.0	0.0	0.0	0.0
108	6/20/2019	09:45:53	0.0	0.0	0.0	0.0
109	6/20/2019	09:46:53	0.0	0.0	0.0	0.0
110	6/20/2019	09:47:53	0.0	0.0	0.0	0.0
111	6/20/2019	09:48:53	0.0	0.0	0.0	0.0
112	6/20/2019	09:49:53	0.0	0.0	0.0	0.0
113	6/20/2019	09:50:53	0.0	0.0	0.0	0.0
114	6/20/2019	09:51:53	0.0	0.0	0.0	0.0
115	6/20/2019	09:52:53	0.0	0.0	0.0	0.0
116	6/20/2019	09:53:53	0.0	0.0	0.0	0.0
117	6/20/2019	09:54:53	0.0	0.0	0.0	0.0
118	6/20/2019	09:55:53	0.0	0.0	0.0	0.0
119	6/20/2019	09:56:53	0.0	0.0	0.0	0.0
120	6/20/2019	09:57:53	0.0	0.0	0.0	0.0
121	6/20/2019	09:58:53	0.0	0.0	0.0	0.0
122	6/20/2019	09:59:53	0.0	0.0	0.0	0.0
123	6/20/2019	10:00:53	0.0	0.1	0.3	0.0
124	6/20/2019	10:01:53	0.0	0.0	0.1	0.0

125	6/20/2019	10:02:53	0.0	0.0	0.0	0.0
126	6/20/2019	10:03:53	0.0	0.0	0.0	0.0
127	6/20/2019	10:04:53	0.0	0.0	0.0	0.0
128	6/20/2019	10:05:53	0.0	0.0	0.0	0.0
129	6/20/2019	10:06:53	0.0	0.0	0.0	0.0
130	6/20/2019	10:07:53	0.0	0.0	0.0	0.0
131	6/20/2019	10:08:53	0.0	0.0	0.0	0.0
132	6/20/2019	10:09:53	0.0	0.0	0.0	0.0
133	6/20/2019	10:10:53	0.0	0.0	0.0	0.0
134	6/20/2019	10:11:53	0.0	0.0	0.0	0.0
135	6/20/2019	10:12:53	0.0	0.0	0.0	0.0
136	6/20/2019	10:13:53	0.0	0.0	0.0	0.0
137	6/20/2019	10:14:53	0.0	0.0	0.0	0.0
138	6/20/2019	10:15:53	0.0	0.0	0.0	0.0
139	6/20/2019	10:16:53	0.0	0.0	0.0	0.0
140	6/20/2019	10:17:53	0.0	0.0	0.0	0.0
141	6/20/2019	10:18:53	0.0	0.0	0.0	0.0
142	6/20/2019	10:19:53	0.0	0.0	0.0	0.0
143	6/20/2019	10:20:53	0.0	0.1	0.1	0.0
144	6/20/2019	10:21:53	0.0	0.0	0.1	0.0
145	6/20/2019	10:22:53	0.0	0.0	0.0	0.0
146	6/20/2019	10:23:53	0.0	0.0	0.0	0.0
147	6/20/2019	10:24:53	0.0	0.0	0.0	0.0
148	6/20/2019	10:25:53	0.0	0.0	0.0	0.0
149	6/20/2019	10:26:53	0.0	0.0	0.0	0.0
150	6/20/2019	10:27:53	0.0	0.0	0.1	0.1
151	6/20/2019	10:28:53	0.0	0.0	0.1	0.0
152	6/20/2019	10:29:53	0.0	0.0	0.0	0.0
153	6/20/2019	10:30:53	0.0	0.0	0.0	0.0
154	6/20/2019	10:31:53	0.0	0.0	0.0	0.0
155	6/20/2019	10:32:53	0.0	0.0	0.0	0.0
156	6/20/2019	10:33:53	0.0	0.0	0.0	0.0
157	6/20/2019	10:34:53	0.0	0.0	0.1	0.0
158	6/20/2019	10:35:53	0.0	0.0	0.1	0.0
159	6/20/2019	10:36:53	0.0	0.0	0.0	0.0
160	6/20/2019	10:37:53	0.0	0.0	0.0	0.0
161	6/20/2019	10:38:53	0.0	0.0	0.1	0.0
162	6/20/2019	10:39:53	0.0	0.0	0.1	0.0
163	6/20/2019	10:40:53	0.0	0.0	0.0	0.0
164	6/20/2019	10:41:53	0.0	0.0	0.0	0.0
165	6/20/2019	10:42:53	0.0	0.1	0.1	0.1
166	6/20/2019	10:43:53	0.1	0.2	0.6	0.1
167	6/20/2019	10:44:53	0.0	0.1	0.1	0.0
168	6/20/2019	10:45:53	0.0	0.1	0.1	0.1
169	6/20/2019	10:46:53	0.0	0.0	0.1	0.1
170	6/20/2019	10:47:53	0.0	0.1	0.1	0.1
171	6/20/2019	10:48:53	0.0	0.0	0.1	0.0
172	6/20/2019	10:49:53	0.0	0.0	0.1	0.1
173	6/20/2019	10:50:53	0.0	0.0	0.1	0.0
174	6/20/2019	10:51:53	0.0	0.0	0.1	0.0

175	6/20/2019	10:52:53	0.0	0.0	0.0	0.0
176	6/20/2019	10:53:53	0.0	0.0	0.0	0.0
177	6/20/2019	10:54:53	0.0	0.0	0.0	0.0
178	6/20/2019	10:55:53	0.0	0.0	0.0	0.0
179	6/20/2019	10:56:53	0.0	0.0	0.0	0.0
180	6/20/2019	10:57:53	0.0	0.0	0.0	0.0
181	6/20/2019	10:58:53	0.0	0.0	0.0	0.0
182	6/20/2019	10:59:53	0.0	0.0	0.0	0.0
183	6/20/2019	11:00:53	0.0	0.0	0.0	0.0
184	6/20/2019	11:01:53	0.0	0.0	0.0	0.0
185	6/20/2019	11:02:53	0.0	0.1	0.5	0.1
186	6/20/2019	11:03:53	0.0	0.1	0.1	0.0
187	6/20/2019	11:04:53	0.0	0.0	0.0	0.0
188	6/20/2019	11:05:53	0.0	0.0	0.0	0.0
189	6/20/2019	11:06:53	0.0	0.0	0.0	0.0
190	6/20/2019	11:07:53	0.0	0.0	0.0	0.0
191	6/20/2019	11:08:53	0.0	0.1	0.1	0.1
192	6/20/2019	11:09:53	0.0	0.0	0.1	0.0
193	6/20/2019	11:10:53	0.0	0.0	0.0	0.0
194	6/20/2019	11:11:53	0.0	0.0	0.0	0.0
195	6/20/2019	11:12:53	0.0	0.0	0.0	0.0
196	6/20/2019	11:13:53	0.0	0.0	0.0	0.0
197	6/20/2019	11:14:53	0.0	0.0	0.1	0.1
198	6/20/2019	11:15:53	0.0	0.0	0.1	0.0
199	6/20/2019	11:16:53	0.0	0.0	0.0	0.0
200	6/20/2019	11:17:53	0.0	0.0	0.1	0.1
201	6/20/2019	11:18:53	0.1	0.1	0.1	0.1
202	6/20/2019	11:19:53	0.0	0.1	0.1	0.1
203	6/20/2019	11:20:53	0.0	0.0	0.1	0.0
204	6/20/2019	11:21:53	0.0	0.1	0.1	0.1
205	6/20/2019	11:22:53	0.1	0.1	0.1	0.1
206	6/20/2019	11:23:53	0.1	0.1	0.1	0.1
207	6/20/2019	11:24:53	0.1	0.1	0.1	0.1
208	6/20/2019	11:25:53	0.1	0.1	0.1	0.1
209	6/20/2019	11:26:53	0.1	0.1	0.1	0.1
210	6/20/2019	11:27:53	0.1	0.1	0.1	0.1
211	6/20/2019	11:28:53	0.1	0.1	0.1	0.1
212	6/20/2019	11:29:53	0.1	0.1	0.2	0.1
213	6/20/2019	11:30:53	0.1	0.1	0.1	0.1
214	6/20/2019	11:31:53	0.1	0.1	0.1	0.1
215	6/20/2019	11:32:53	0.1	0.1	0.1	0.1
216	6/20/2019	11:33:53	0.1	0.1	0.1	0.1
217	6/20/2019	11:34:53	0.0	0.1	0.1	0.1
218	6/20/2019	11:35:53	0.0	0.1	0.1	0.1
219	6/20/2019	11:36:53	0.0	0.1	0.1	0.0
220	6/20/2019	11:37:53	0.0	0.0	0.1	0.1
221	6/20/2019	11:38:53	0.0	0.1	0.1	0.1
222	6/20/2019	11:39:53	0.1	0.1	0.1	0.1
223	6/20/2019	11:40:53	0.1	0.1	0.1	0.1
224	6/20/2019	11:41:53	0.1	0.1	0.1	0.1

225	6/20/2019	11:42:53	0.1	0.1	0.1	0.1
226	6/20/2019	11:43:53	0.1	0.1	0.1	0.1
227	6/20/2019	11:44:53	0.1	0.1	0.1	0.1
228	6/20/2019	11:45:53	0.1	0.1	0.1	0.1
229	6/20/2019	11:46:53	0.1	0.1	0.1	0.1
230	6/20/2019	11:47:53	0.1	0.1	0.1	0.1
231	6/20/2019	11:48:53	0.1	0.1	0.1	0.1
232	6/20/2019	11:49:53	0.1	0.1	0.1	0.1
233	6/20/2019	11:50:53	0.1	0.1	0.1	0.1
234	6/20/2019	11:51:53	0.1	0.1	0.1	0.1
235	6/20/2019	11:52:53	0.1	0.1	0.1	0.1
236	6/20/2019	11:53:53	0.1	0.1	0.1	0.1
237	6/20/2019	11:54:53	0.1	0.1	0.1	0.1
238	6/20/2019	11:55:53	0.1	0.1	0.1	0.1
239	6/20/2019	11:56:53	0.1	0.1	0.1	0.1
240	6/20/2019	11:57:53	0.1	0.1	0.1	0.1
241	6/20/2019	11:58:53	0.1	0.1	0.1	0.1
242	6/20/2019	11:59:53	0.1	0.1	0.1	0.1
243	6/20/2019	12:00:53	0.1	0.1	0.2	0.2
244	6/20/2019	12:01:53	0.2	0.2	0.2	0.2
245	6/20/2019	12:02:53	0.2	0.4	0.5	0.4
246	6/20/2019	12:03:53	0.3	0.4	0.4	0.3
247	6/20/2019	12:04:53	0.3	0.3	0.3	0.3
248	6/20/2019	12:05:53	0.2	0.3	0.3	0.2
249	6/20/2019	12:06:53	0.2	0.2	0.2	0.2
250	6/20/2019	12:07:53	0.2	0.2	0.2	0.2
251	6/20/2019	12:08:53	0.2	0.2	0.2	0.2
252	6/20/2019	12:09:53	0.2	0.2	0.2	0.2
253	6/20/2019	12:10:53	0.2	0.2	0.2	0.2
254	6/20/2019	12:11:53	0.2	0.2	0.2	0.2
255	6/20/2019	12:12:53	0.2	0.2	0.2	0.2
256	6/20/2019	12:13:53	0.2	0.2	0.2	0.2
257	6/20/2019	12:14:53	0.2	0.2	0.2	0.2
258	6/20/2019	12:15:53	0.2	0.2	0.2	0.2
259	6/20/2019	12:16:53	0.2	0.2	0.2	0.2
260	6/20/2019	12:17:53	0.2	0.2	0.2	0.2
261	6/20/2019	12:18:53	0.2	0.2	0.2	0.2
262	6/20/2019	12:19:53	0.2	0.2	0.2	0.2
263	6/20/2019	12:20:53	0.2	0.2	0.2	0.2
264	6/20/2019	12:21:53	0.2	0.2	0.2	0.2
265	6/20/2019	12:22:53	0.2	0.2	0.2	0.2
266	6/20/2019	12:23:53	0.2	0.2	0.3	0.3
267	6/20/2019	12:24:53	0.2	0.3	0.3	0.3
268	6/20/2019	12:25:53	0.2	0.2	0.3	0.2
269	6/20/2019	12:26:53	0.2	0.2	0.2	0.2
270	6/20/2019	12:27:53	0.2	0.2	0.2	0.2
271	6/20/2019	12:28:53	0.2	0.2	0.2	0.2
272	6/20/2019	12:29:53	0.2	0.2	0.2	0.2
273	6/20/2019	12:30:53	0.2	0.2	0.2	0.2
274	6/20/2019	12:31:53	0.2	0.2	0.2	0.2

275	6/20/2019	12:32:53	0.2	0.2	0.2	0.2
276	6/20/2019	12:33:53	0.2	0.2	0.2	0.2
277	6/20/2019	12:34:53	0.2	0.2	0.2	0.2
278	6/20/2019	12:35:53	0.2	0.2	0.2	0.2
279	6/20/2019	12:36:53	0.2	0.2	0.2	0.2
280	6/20/2019	12:37:53	0.2	0.2	0.2	0.2
281	6/20/2019	12:38:53	0.2	0.2	0.2	0.2
282	6/20/2019	12:39:53	0.2	0.2	0.2	0.2
283	6/20/2019	12:40:53	0.2	0.2	0.2	0.2
284	6/20/2019	12:41:53	0.2	0.2	0.2	0.2
285	6/20/2019	12:42:53	0.2	0.2	0.2	0.2
286	6/20/2019	12:43:53	0.2	0.2	0.2	0.2
287	6/20/2019	12:44:53	0.2	0.3	0.3	0.3
288	6/20/2019	12:45:53	0.3	0.3	0.3	0.3
289	6/20/2019	12:46:53	0.3	0.3	0.3	0.3
290	6/20/2019	12:47:53	0.3	0.3	0.3	0.3
291	6/20/2019	12:48:53	0.3	0.3	0.3	0.3
292	6/20/2019	12:49:53	0.3	0.3	0.3	0.3
293	6/20/2019	12:50:53	0.3	0.3	0.3	0.3
294	6/20/2019	12:51:53	0.3	0.3	0.3	0.3
295	6/20/2019	12:52:53	0.3	0.3	0.3	0.3
296	6/20/2019	12:53:53	0.3	0.3	0.3	0.3
297	6/20/2019	12:54:53	0.3	0.3	0.3	0.3
298	6/20/2019	12:55:53	0.2	0.2	0.3	0.2
299	6/20/2019	12:56:53	0.2	0.2	0.2	0.2
300	6/20/2019	12:57:53	0.2	0.2	0.2	0.2
301	6/20/2019	12:58:53	0.2	0.2	0.2	0.2
302	6/20/2019	12:59:53	0.2	0.2	0.2	0.2
303	6/20/2019	13:00:53	0.2	0.2	0.2	0.2
304	6/20/2019	13:01:53	0.2	0.2	0.2	0.2
305	6/20/2019	13:02:53	0.2	0.2	0.2	0.2
306	6/20/2019	13:03:53	0.2	0.2	0.3	0.3
307	6/20/2019	13:04:53	0.3	0.3	0.3	0.3
308	6/20/2019	13:05:53	0.2	0.3	0.3	0.2
309	6/20/2019	13:06:53	0.1	0.2	0.2	0.1
310	6/20/2019	13:07:53	0.1	0.2	0.2	0.1
311	6/20/2019	13:08:53	0.1	0.2	0.3	0.2
312	6/20/2019	13:09:53	0.2	0.3	0.4	0.4
313	6/20/2019	13:10:53	0.2	0.3	0.4	0.3
314	6/20/2019	13:11:53	0.3	0.3	0.4	0.4
315	6/20/2019	13:12:53	0.2	0.3	0.4	0.2
316	6/20/2019	13:13:53	0.2	0.2	0.3	0.2
317	6/20/2019	13:14:53	0.2	0.2	0.2	0.2
318	6/20/2019	13:15:53	0.2	0.2	0.2	0.2
319	6/20/2019	13:16:53	0.2	0.2	0.2	0.2
320	6/20/2019	13:17:53	0.2	0.2	0.2	0.2
321	6/20/2019	13:18:53	0.2	0.2	0.2	0.2
322	6/20/2019	13:19:53	0.2	0.2	0.2	0.2
323	6/20/2019	13:20:53	0.2	0.2	0.2	0.2
324	6/20/2019	13:21:53	0.2	0.2	0.2	0.2

325	6/20/2019	13:22:53	0.2	0.2	0.2	0.2
326	6/20/2019	13:23:53	0.1	0.2	0.2	0.2
327	6/20/2019	13:24:53	0.2	0.2	0.2	0.2
328	6/20/2019	13:25:53	0.2	0.2	0.3	0.2
329	6/20/2019	13:26:53	0.2	0.2	0.2	0.2
330	6/20/2019	13:27:53	0.2	0.2	0.3	0.3
331	6/20/2019	13:28:53	0.2	0.2	0.3	0.2
332	6/20/2019	13:29:53	0.2	0.2	0.2	0.2
333	6/20/2019	13:30:53	0.2	0.2	0.2	0.2
334	6/20/2019	13:31:53	0.2	0.2	0.2	0.2
335	6/20/2019	13:32:53	0.2	0.2	0.2	0.2
336	6/20/2019	13:33:53	0.2	0.2	0.2	0.2
337	6/20/2019	13:34:53	0.2	0.2	0.2	0.2
338	6/20/2019	13:35:53	0.1	0.2	0.2	0.2
339	6/20/2019	13:36:53	0.1	0.2	0.2	0.1
340	6/20/2019	13:37:53	0.1	0.1	0.2	0.1
341	6/20/2019	13:38:53	0.1	0.1	0.2	0.1
342	6/20/2019	13:39:53	0.1	0.1	0.2	0.1
343	6/20/2019	13:40:53	0.1	0.1	0.2	0.1
344	6/20/2019	13:41:53	0.1	0.1	0.1	0.1
345	6/20/2019	13:42:53	0.1	0.1	0.1	0.1
346	6/20/2019	13:43:53	0.1	0.1	0.1	0.1
347	6/20/2019	13:44:53	0.1	0.1	0.2	0.2
348	6/20/2019	13:45:53	0.1	0.2	0.2	0.1
349	6/20/2019	13:46:53	0.1	0.1	0.2	0.1
350	6/20/2019	13:47:53	0.1	0.1	0.1	0.1
351	6/20/2019	13:48:53	0.1	0.2	0.2	0.2
352	6/20/2019	13:49:53	0.2	0.2	0.2	0.2
353	6/20/2019	13:50:53	0.2	0.2	0.2	0.2
354	6/20/2019	13:51:53	0.2	0.2	0.2	0.2
355	6/20/2019	13:52:53	0.2	0.2	0.2	0.2
356	6/20/2019	13:53:53	0.2	0.2	0.2	0.2
357	6/20/2019	13:54:53	0.1	0.2	0.2	0.2
358	6/20/2019	13:55:53	0.2	0.2	0.2	0.2
359	6/20/2019	13:56:53	0.2	0.2	0.2	0.2
360	6/20/2019	13:57:53	0.2	0.2	0.2	0.2
361	6/20/2019	13:58:53	0.2	0.2	0.2	0.2
362	6/20/2019	13:59:53	0.2	0.2	0.2	0.2
363	6/20/2019	14:00:53	0.2	0.2	0.2	0.2
364	6/20/2019	14:01:53	0.1	0.2	0.2	0.2
365	6/20/2019	14:02:53	0.2	0.2	0.2	0.2
366	6/20/2019	14:03:53	0.2	0.2	0.2	0.2
367	6/20/2019	14:04:53	0.2	0.2	0.2	0.2
368	6/20/2019	14:05:53	0.2	0.2	0.2	0.2
369	6/20/2019	14:06:53	0.1	0.2	0.2	0.2
370	6/20/2019	14:07:53	0.2	0.2	0.2	0.2
371	6/20/2019	14:08:53	0.1	0.2	0.2	0.2
372	6/20/2019	14:09:53	0.1	0.2	0.2	0.2
373	6/20/2019	14:10:53	0.1	0.1	0.2	0.1
374	6/20/2019	14:11:53	0.1	0.1	0.2	0.1

375	6/20/2019 14:12:53	0.1	0.2	0.2	0.2
376	6/20/2019 14:13:53	0.1	0.2	0.2	0.2
377	6/20/2019 14:14:53	0.2	0.4	0.5	0.4
378	6/20/2019 14:15:53	0.2	0.3	0.6	0.5
379	6/20/2019 14:16:53	0.3	0.5	0.6	0.5
380	6/20/2019 14:17:53	0.4	0.4	0.5	0.5
381	6/20/2019 14:18:53	0.4	0.5	0.6	0.4
382	6/20/2019 14:19:53	0.2	0.4	0.5	0.2
383	6/20/2019 14:20:53	0.2	0.2	0.3	0.2
384	6/20/2019 14:21:53	0.2	0.2	0.2	0.2
385	6/20/2019 14:22:53	0.2	0.2	0.2	0.2
386	6/20/2019 14:23:53	0.2	0.2	0.2	0.2
387	6/20/2019 14:24:53	0.2	0.2	0.3	0.3
388	6/20/2019 14:25:53	0.2	0.3	0.4	0.2
389	6/20/2019 14:26:53	0.2	0.3	0.4	0.4
390	6/20/2019 14:27:53	0.3	0.3	0.4	0.3
391	6/20/2019 14:28:53	0.2	0.3	0.5	0.3
Peak		0.4	0.5	0.6	0.5
Min		0.0	0.0	0.0	0.0
Average		0.1	0.1	0.1	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/20/2019 07:58:53	0.0	---
002	6/20/2019 07:59:53	0.0	---
003	6/20/2019 08:00:53	0.0	---
004	6/20/2019 08:01:53	0.0	---
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374	6/20/2019 14:11:53	0.1	0.2
375	6/20/2019 14:12:53	0.1	0.2

376	6/20/2019 14:13:53	0.1	0.2
377	6/20/2019 14:14:53	0.1	0.2
378	6/20/2019 14:15:53	0.1	0.2
379	6/20/2019 14:16:53	0.1	0.3
380	6/20/2019 14:17:53	0.1	0.3
381	6/20/2019 14:18:53	0.1	0.3
382	6/20/2019 14:19:53	0.1	0.3
383	6/20/2019 14:20:53	0.1	0.3
384	6/20/2019 14:21:53	0.1	0.3
385	6/20/2019 14:22:53	0.1	0.3
386	6/20/2019 14:23:53	0.1	0.3
387	6/20/2019 14:24:53	0.1	0.3
388	6/20/2019 14:25:53	0.1	0.3
389	6/20/2019 14:26:53	0.1	0.3
390	6/20/2019 14:27:53	0.1	0.3
391	6/20/2019 14:28:53	0.1	0.3

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19/06/21 08:55

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-922384
Unit Firmware Ver	V2.20

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

Site ID	RAE00000
User ID	USER0000

Begin	6/21/2019 08:55:03
End	6/21/2019 14:24:30
Sample Period(s)	60
Number of Records	329

Sensor	PID(ppm)
Sensor SN	S023030211V7
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	6/21/2019 08:34

Peak 0.1
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/21/2019	08:56:03	0.0	0.0	0.0	0.0
002	6/21/2019	08:57:03	0.0	0.0	0.0	0.0
003	6/21/2019	08:58:03	0.0	0.0	0.0	0.0
004	6/21/2019	08:59:03	0.0	0.0	0.0	0.0
005	6/21/2019	09:00:03	0.0	0.0	0.0	0.0
006	6/21/2019	09:01:03	0.0	0.0	0.0	0.0
007	6/21/2019	09:02:03	0.0	0.0	0.0	0.0
008	6/21/2019	09:03:03	0.0	0.0	0.0	0.0
009	6/21/2019	09:04:03	0.0	0.0	0.0	0.0
010	6/21/2019	09:05:03	0.0	0.0	0.0	0.0
011	6/21/2019	09:06:03	0.0	0.0	0.0	0.0
012	6/21/2019	09:07:03	0.0	0.0	0.0	0.0
013	6/21/2019	09:08:03	0.0	0.0	0.0	0.0
014	6/21/2019	09:09:03	0.0	0.0	0.0	0.0
015	6/21/2019	09:10:03	0.0	0.0	0.0	0.0
016	6/21/2019	09:11:03	0.0	0.0	0.0	0.0
017	6/21/2019	09:12:03	0.0	0.0	0.0	0.0
018	6/21/2019	09:13:03	0.0	0.0	0.0	0.0
019	6/21/2019	09:14:03	0.0	0.0	0.0	0.0
020	6/21/2019	09:15:03	0.0	0.0	0.0	0.0
021	6/21/2019	09:16:03	0.0	0.0	0.0	0.0
022	6/21/2019	09:17:03	0.0	0.0	0.0	0.0
023	6/21/2019	09:18:03	0.0	0.0	0.0	0.0
024	6/21/2019	09:19:03	0.0	0.0	0.0	0.0
025	6/21/2019	09:20:03	0.0	0.0	0.0	0.0
026	6/21/2019	09:21:03	0.0	0.0	0.0	0.0
027	6/21/2019	09:22:03	0.0	0.0	0.0	0.0
028	6/21/2019	09:23:03	0.0	0.0	0.0	0.0
029	6/21/2019	09:24:03	0.0	0.0	0.0	0.0
030	6/21/2019	09:25:03	0.0	0.0	0.0	0.0
031	6/21/2019	09:26:03	0.0	0.0	0.0	0.0
032	6/21/2019	09:27:03	0.0	0.0	0.0	0.0
033	6/21/2019	09:28:03	0.0	0.0	0.0	0.0
034	6/21/2019	09:29:03	0.0	0.0	0.0	0.0
035	6/21/2019	09:30:03	0.0	0.0	0.0	0.0
036	6/21/2019	09:31:03	0.0	0.0	0.0	0.0
037	6/21/2019	09:32:03	0.0	0.0	0.0	0.0
038	6/21/2019	09:33:03	0.0	0.0	0.0	0.0
039	6/21/2019	09:34:03	0.0	0.0	0.0	0.0
040	6/21/2019	09:35:03	0.0	0.0	0.0	0.0
041	6/21/2019	09:36:03	0.0	0.0	0.0	0.0
042	6/21/2019	09:37:03	0.0	0.0	0.0	0.0

043	6/21/2019	09:38:03	0.0	0.0	0.0	0.0
044	6/21/2019	09:39:03	0.0	0.0	0.0	0.0
045	6/21/2019	09:40:03	0.0	0.0	0.0	0.0
046	6/21/2019	09:41:03	0.0	0.0	0.0	0.0
047	6/21/2019	09:42:03	0.0	0.0	0.0	0.0
048	6/21/2019	09:43:03	0.0	0.0	0.0	0.0
049	6/21/2019	09:44:03	0.0	0.0	0.0	0.0
050	6/21/2019	09:45:03	0.0	0.0	0.0	0.0
051	6/21/2019	09:46:03	0.0	0.0	0.0	0.0
052	6/21/2019	09:47:03	0.0	0.0	0.0	0.0
053	6/21/2019	09:48:03	0.0	0.0	0.0	0.0
054	6/21/2019	09:49:03	0.0	0.0	0.0	0.0
055	6/21/2019	09:50:03	0.0	0.0	0.0	0.0
056	6/21/2019	09:51:03	0.0	0.0	0.0	0.0
057	6/21/2019	09:52:03	0.0	0.0	0.0	0.0
058	6/21/2019	09:53:03	0.0	0.0	0.0	0.0
059	6/21/2019	09:54:03	0.0	0.0	0.0	0.0
060	6/21/2019	09:55:03	0.0	0.0	0.0	0.0
061	6/21/2019	09:56:03	0.0	0.0	0.1	0.0
062	6/21/2019	09:57:03	0.0	0.0	0.0	0.0
063	6/21/2019	09:58:03	0.0	0.0	0.1	0.0
064	6/21/2019	09:59:03	0.0	0.0	0.0	0.0
065	6/21/2019	10:00:03	0.0	0.0	0.0	0.0
066	6/21/2019	10:01:03	0.0	0.0	0.0	0.0
067	6/21/2019	10:02:03	0.0	0.0	0.0	0.0
068	6/21/2019	10:03:03	0.0	0.0	0.0	0.0
069	6/21/2019	10:04:03	0.0	0.0	0.0	0.0
070	6/21/2019	10:05:03	0.0	0.0	0.0	0.0
071	6/21/2019	10:06:03	0.0	0.0	0.0	0.0
072	6/21/2019	10:07:03	0.0	0.0	0.0	0.0
073	6/21/2019	10:08:03	0.0	0.0	0.0	0.0
074	6/21/2019	10:09:03	0.0	0.0	0.1	0.0
075	6/21/2019	10:10:03	0.0	0.0	0.0	0.0
076	6/21/2019	10:11:03	0.0	0.0	0.1	0.0
077	6/21/2019	10:12:03	0.0	0.0	0.0	0.0
078	6/21/2019	10:13:03	0.0	0.0	0.0	0.0
079	6/21/2019	10:14:03	0.0	0.0	0.1	0.0
080	6/21/2019	10:15:03	0.0	0.0	0.0	0.0
081	6/21/2019	10:16:03	0.0	0.0	0.0	0.0
082	6/21/2019	10:17:03	0.0	0.0	0.0	0.0
083	6/21/2019	10:18:03	0.0	0.0	0.0	0.0
084	6/21/2019	10:19:03	0.0	0.0	0.0	0.0
085	6/21/2019	10:20:03	0.0	0.0	0.0	0.0
086	6/21/2019	10:21:03	0.0	0.0	0.0	0.0
087	6/21/2019	10:22:03	0.0	0.0	0.0	0.0
088	6/21/2019	10:23:03	0.0	0.0	0.1	0.0
089	6/21/2019	10:24:03	0.0	0.0	0.0	0.0
090	6/21/2019	10:25:03	0.0	0.0	0.0	0.0
091	6/21/2019	10:26:03	0.0	0.0	0.1	0.0
092	6/21/2019	10:27:03	0.0	0.0	0.0	0.0

093	6/21/2019 10:28:03	0.0	0.0	0.0	0.0
094	6/21/2019 10:29:03	0.0	0.0	0.0	0.0
095	6/21/2019 10:30:03	0.0	0.0	0.0	0.0
096	6/21/2019 10:31:03	0.0	0.0	0.0	0.0
097	6/21/2019 10:32:03	0.0	0.0	0.0	0.0
098	6/21/2019 10:33:03	0.0	0.0	0.0	0.0
099	6/21/2019 10:34:03	0.0	0.0	0.0	0.0
100	6/21/2019 10:35:03	0.0	0.0	0.0	0.0
101	6/21/2019 10:36:03	0.0	0.0	0.0	0.0
102	6/21/2019 10:37:03	0.0	0.0	0.0	0.0
103	6/21/2019 10:38:03	0.0	0.0	0.0	0.0
104	6/21/2019 10:39:03	0.0	0.0	0.0	0.0
105	6/21/2019 10:40:03	0.0	0.0	0.0	0.0
106	6/21/2019 10:41:03	0.0	0.0	0.0	0.0
107	6/21/2019 10:42:03	0.0	0.0	0.1	0.0
108	6/21/2019 10:43:03	0.0	0.0	0.1	0.0
109	6/21/2019 10:44:03	0.0	0.0	0.0	0.0
110	6/21/2019 10:45:03	0.0	0.0	0.0	0.0
111	6/21/2019 10:46:03	0.0	0.0	0.0	0.0
112	6/21/2019 10:47:03	0.0	0.0	0.0	0.0
113	6/21/2019 10:48:03	0.0	0.0	0.1	0.1
114	6/21/2019 10:49:03	0.0	0.0	0.1	0.0
115	6/21/2019 10:50:03	0.0	0.0	0.0	0.0
116	6/21/2019 10:51:03	0.0	0.0	0.1	0.0
117	6/21/2019 10:52:03	0.0	0.0	0.1	0.0
118	6/21/2019 10:53:03	0.0	0.0	0.0	0.0
119	6/21/2019 10:54:03	0.0	0.0	0.0	0.0
120	6/21/2019 10:55:03	0.0	0.0	0.1	0.0
121	6/21/2019 10:56:03	0.0	0.0	0.0	0.0
122	6/21/2019 10:57:03	0.0	0.0	0.0	0.0
123	6/21/2019 10:58:03	0.0	0.0	0.0	0.0
124	6/21/2019 10:59:03	0.0	0.0	0.0	0.0
125	6/21/2019 11:00:03	0.0	0.0	0.0	0.0
126	6/21/2019 11:01:03	0.0	0.0	0.0	0.0
127	6/21/2019 11:02:03	0.0	0.0	0.0	0.0
128	6/21/2019 11:03:03	0.0	0.0	0.1	0.0
129	6/21/2019 11:04:03	0.0	0.0	0.1	0.0
130	6/21/2019 11:05:03	0.0	0.0	0.0	0.0
131	6/21/2019 11:06:03	0.0	0.0	0.0	0.0
132	6/21/2019 11:07:03	0.0	0.0	0.0	0.0
133	6/21/2019 11:08:03	0.0	0.0	0.0	0.0
134	6/21/2019 11:09:03	0.0	0.0	0.1	0.0
135	6/21/2019 11:10:03	0.0	0.0	0.0	0.0
136	6/21/2019 11:11:03	0.0	0.0	0.0	0.0
137	6/21/2019 11:12:03	0.0	0.0	0.0	0.0
138	6/21/2019 11:13:03	0.0	0.0	0.0	0.0
139	6/21/2019 11:14:03	0.0	0.0	0.0	0.0
140	6/21/2019 11:15:03	0.0	0.0	0.1	0.1
141	6/21/2019 11:16:03	0.0	0.1	0.1	0.0
142	6/21/2019 11:17:03	0.0	0.0	0.0	0.0

143	6/21/2019	11:18:03	0.0	0.0	0.0	0.0
144	6/21/2019	11:19:03	0.0	0.0	0.1	0.0
145	6/21/2019	11:20:03	0.0	0.0	0.0	0.0
146	6/21/2019	11:21:03	0.0	0.0	0.0	0.0
147	6/21/2019	11:22:03	0.0	0.0	0.0	0.0
148	6/21/2019	11:23:03	0.0	0.0	0.0	0.0
149	6/21/2019	11:24:03	0.0	0.0	0.0	0.0
150	6/21/2019	11:25:03	0.0	0.0	0.0	0.0
151	6/21/2019	11:26:03	0.0	0.0	0.0	0.0
152	6/21/2019	11:27:03	0.0	0.0	0.0	0.0
153	6/21/2019	11:28:03	0.0	0.0	0.0	0.0
154	6/21/2019	11:29:03	0.0	0.0	0.0	0.0
155	6/21/2019	11:30:03	0.0	0.0	0.0	0.0
156	6/21/2019	11:31:03	0.0	0.0	0.0	0.0
157	6/21/2019	11:32:03	0.0	0.0	0.0	0.0
158	6/21/2019	11:33:03	0.0	0.0	0.0	0.0
159	6/21/2019	11:34:03	0.0	0.0	0.0	0.0
160	6/21/2019	11:35:03	0.0	0.0	0.0	0.0
161	6/21/2019	11:36:03	0.0	0.0	0.0	0.0
162	6/21/2019	11:37:03	0.0	0.0	0.0	0.0
163	6/21/2019	11:38:03	0.0	0.0	0.0	0.0
164	6/21/2019	11:39:03	0.0	0.0	0.0	0.0
165	6/21/2019	11:40:03	0.0	0.0	0.0	0.0
166	6/21/2019	11:41:03	0.0	0.0	0.0	0.0
167	6/21/2019	11:42:03	0.0	0.0	0.0	0.0
168	6/21/2019	11:43:03	0.0	0.0	0.0	0.0
169	6/21/2019	11:44:03	0.0	0.0	0.0	0.0
170	6/21/2019	11:45:03	0.0	0.0	0.0	0.0
171	6/21/2019	11:46:03	0.0	0.0	0.0	0.0
172	6/21/2019	11:47:03	0.0	0.0	0.0	0.0
173	6/21/2019	11:48:03	0.0	0.0	0.0	0.0
174	6/21/2019	11:49:03	0.0	0.0	0.0	0.0
175	6/21/2019	11:50:03	0.0	0.0	0.0	0.0
176	6/21/2019	11:51:03	0.0	0.0	0.0	0.0
177	6/21/2019	11:52:03	0.0	0.0	0.0	0.0
178	6/21/2019	11:53:03	0.0	0.0	0.0	0.0
179	6/21/2019	11:54:03	0.0	0.0	0.0	0.0
180	6/21/2019	11:55:03	0.0	0.0	0.0	0.0
181	6/21/2019	11:56:03	0.0	0.0	0.0	0.0
182	6/21/2019	11:57:03	0.0	0.0	0.0	0.0
183	6/21/2019	11:58:03	0.0	0.0	0.0	0.0
184	6/21/2019	11:59:03	0.0	0.0	0.0	0.0
185	6/21/2019	12:00:03	0.0	0.0	0.0	0.0
186	6/21/2019	12:01:03	0.0	0.0	0.0	0.0
187	6/21/2019	12:02:03	0.0	0.0	0.0	0.0
188	6/21/2019	12:03:03	0.0	0.0	0.0	0.0
189	6/21/2019	12:04:03	0.0	0.0	0.0	0.0
190	6/21/2019	12:05:03	0.0	0.0	0.0	0.0
191	6/21/2019	12:06:03	0.0	0.0	0.0	0.0
192	6/21/2019	12:07:03	0.0	0.0	0.0	0.0

193	6/21/2019 12:08:03	0.0	0.0	0.0	0.0
194	6/21/2019 12:09:03	0.0	0.0	0.0	0.0
195	6/21/2019 12:10:03	0.0	0.0	0.0	0.0
196	6/21/2019 12:11:03	0.0	0.0	0.0	0.0
197	6/21/2019 12:12:03	0.0	0.0	0.0	0.0
198	6/21/2019 12:13:03	0.0	0.0	0.0	0.0
199	6/21/2019 12:14:03	0.0	0.0	0.0	0.0
200	6/21/2019 12:15:03	0.0	0.0	0.0	0.0
201	6/21/2019 12:16:03	0.0	0.0	0.0	0.0
202	6/21/2019 12:17:03	0.0	0.0	0.0	0.0
203	6/21/2019 12:18:03	0.0	0.0	0.0	0.0
204	6/21/2019 12:19:03	0.0	0.0	0.0	0.0
205	6/21/2019 12:20:03	0.0	0.0	0.0	0.0
206	6/21/2019 12:21:03	0.0	0.0	0.0	0.0
207	6/21/2019 12:22:03	0.0	0.0	0.0	0.0
208	6/21/2019 12:23:03	0.0	0.0	0.0	0.0
209	6/21/2019 12:24:03	0.0	0.0	0.0	0.0
210	6/21/2019 12:25:03	0.0	0.0	0.0	0.0
211	6/21/2019 12:26:03	0.0	0.0	0.0	0.0
212	6/21/2019 12:27:03	0.0	0.0	0.0	0.0
213	6/21/2019 12:28:03	0.0	0.0	0.0	0.0
214	6/21/2019 12:29:03	0.0	0.0	0.0	0.0
215	6/21/2019 12:30:03	0.0	0.0	0.0	0.0
216	6/21/2019 12:31:03	0.0	0.0	0.0	0.0
217	6/21/2019 12:32:03	0.0	0.0	0.0	0.0
218	6/21/2019 12:33:03	0.0	0.0	0.0	0.0
219	6/21/2019 12:34:03	0.0	0.0	0.0	0.0
220	6/21/2019 12:35:03	0.0	0.0	0.0	0.0
221	6/21/2019 12:36:03	0.0	0.0	0.0	0.0
222	6/21/2019 12:37:03	0.0	0.0	0.0	0.0
223	6/21/2019 12:38:03	0.0	0.0	0.0	0.0
224	6/21/2019 12:39:03	0.0	0.0	0.0	0.0
225	6/21/2019 12:40:03	0.0	0.0	0.0	0.0
226	6/21/2019 12:41:03	0.0	0.0	0.0	0.0
227	6/21/2019 12:42:03	0.0	0.0	0.0	0.0
228	6/21/2019 12:43:03	0.0	0.0	0.0	0.0
229	6/21/2019 12:44:03	0.0	0.0	0.0	0.0
230	6/21/2019 12:45:03	0.0	0.0	0.0	0.0
231	6/21/2019 12:46:03	0.0	0.0	0.0	0.0
232	6/21/2019 12:47:03	0.0	0.0	0.0	0.0
233	6/21/2019 12:48:03	0.0	0.0	0.0	0.0
234	6/21/2019 12:49:03	0.0	0.0	0.0	0.0
235	6/21/2019 12:50:03	0.0	0.0	0.0	0.0
236	6/21/2019 12:51:03	0.0	0.0	0.0	0.0
237	6/21/2019 12:52:03	0.0	0.0	0.0	0.0
238	6/21/2019 12:53:03	0.0	0.0	0.0	0.0
239	6/21/2019 12:54:03	0.0	0.0	0.0	0.0
240	6/21/2019 12:55:03	0.0	0.0	0.0	0.0
241	6/21/2019 12:56:03	0.0	0.0	0.0	0.0
242	6/21/2019 12:57:03	0.0	0.0	0.0	0.0

243	6/21/2019 12:58:03	0.0	0.0	0.0	0.0
244	6/21/2019 12:59:03	0.0	0.0	0.0	0.0
245	6/21/2019 13:00:03	0.0	0.0	0.0	0.0
246	6/21/2019 13:01:03	0.0	0.0	0.0	0.0
247	6/21/2019 13:02:03	0.0	0.0	0.0	0.0
248	6/21/2019 13:03:03	0.0	0.0	0.0	0.0
249	6/21/2019 13:04:03	0.0	0.0	0.0	0.0
250	6/21/2019 13:05:03	0.0	0.0	0.0	0.0
251	6/21/2019 13:06:03	0.0	0.0	0.0	0.0
252	6/21/2019 13:07:03	0.0	0.0	0.0	0.0
253	6/21/2019 13:08:03	0.0	0.0	0.0	0.0
254	6/21/2019 13:09:03	0.0	0.0	0.0	0.0
255	6/21/2019 13:10:03	0.0	0.0	0.0	0.0
256	6/21/2019 13:11:03	0.0	0.0	0.0	0.0
257	6/21/2019 13:12:03	0.0	0.0	0.0	0.0
258	6/21/2019 13:13:03	0.0	0.0	0.0	0.0
259	6/21/2019 13:14:03	0.0	0.0	0.0	0.0
260	6/21/2019 13:15:03	0.0	0.0	0.0	0.0
261	6/21/2019 13:16:03	0.0	0.0	0.0	0.0
262	6/21/2019 13:17:03	0.0	0.0	0.0	0.0
263	6/21/2019 13:18:03	0.0	0.0	0.0	0.0
264	6/21/2019 13:19:03	0.0	0.0	0.0	0.0
265	6/21/2019 13:20:03	0.0	0.0	0.0	0.0
266	6/21/2019 13:21:03	0.0	0.0	0.0	0.0
267	6/21/2019 13:22:03	0.0	0.0	0.0	0.0
268	6/21/2019 13:23:03	0.0	0.0	0.0	0.0
269	6/21/2019 13:24:03	0.0	0.0	0.0	0.0
270	6/21/2019 13:25:03	0.0	0.0	0.0	0.0
271	6/21/2019 13:26:03	0.0	0.0	0.0	0.0
272	6/21/2019 13:27:03	0.0	0.0	0.0	0.0
273	6/21/2019 13:28:03	0.0	0.0	0.0	0.0
274	6/21/2019 13:29:03	0.0	0.0	0.0	0.0
275	6/21/2019 13:30:03	0.0	0.0	0.0	0.0
276	6/21/2019 13:31:03	0.0	0.0	0.0	0.0
277	6/21/2019 13:32:03	0.0	0.0	0.0	0.0
278	6/21/2019 13:33:03	0.0	0.0	0.0	0.0
279	6/21/2019 13:34:03	0.0	0.0	0.0	0.0
280	6/21/2019 13:35:03	0.0	0.0	0.0	0.0
281	6/21/2019 13:36:03	0.0	0.0	0.0	0.0
282	6/21/2019 13:37:03	0.0	0.0	0.0	0.0
283	6/21/2019 13:38:03	0.0	0.0	0.0	0.0
284	6/21/2019 13:39:03	0.0	0.0	0.0	0.0
285	6/21/2019 13:40:03	0.0	0.0	0.0	0.0
286	6/21/2019 13:41:03	0.0	0.0	0.0	0.0
287	6/21/2019 13:42:03	0.0	0.0	0.0	0.0
288	6/21/2019 13:43:03	0.0	0.0	0.0	0.0
289	6/21/2019 13:44:03	0.0	0.0	0.0	0.0
290	6/21/2019 13:45:03	0.0	0.0	0.0	0.0
291	6/21/2019 13:46:03	0.0	0.0	0.0	0.0
292	6/21/2019 13:47:03	0.0	0.0	0.0	0.0

293	6/21/2019	13:48:03	0.0	0.0	0.0	0.0
294	6/21/2019	13:49:03	0.0	0.0	0.0	0.0
295	6/21/2019	13:50:03	0.0	0.0	0.0	0.0
296	6/21/2019	13:51:03	0.0	0.0	0.0	0.0
297	6/21/2019	13:52:03	0.0	0.0	0.0	0.0
298	6/21/2019	13:53:03	0.0	0.0	0.0	0.0
299	6/21/2019	13:54:03	0.0	0.0	0.0	0.0
300	6/21/2019	13:55:03	0.0	0.0	0.0	0.0
301	6/21/2019	13:56:03	0.0	0.0	0.0	0.0
302	6/21/2019	13:57:03	0.0	0.0	0.0	0.0
303	6/21/2019	13:58:03	0.0	0.0	0.0	0.0
304	6/21/2019	13:59:03	0.0	0.0	0.0	0.0
305	6/21/2019	14:00:03	0.0	0.0	0.0	0.0
306	6/21/2019	14:01:03	0.0	0.0	0.0	0.0
307	6/21/2019	14:02:03	0.0	0.0	0.0	0.0
308	6/21/2019	14:03:03	0.0	0.0	0.0	0.0
309	6/21/2019	14:04:03	0.0	0.0	0.0	0.0
310	6/21/2019	14:05:03	0.0	0.0	0.0	0.0
311	6/21/2019	14:06:03	0.0	0.0	0.0	0.0
312	6/21/2019	14:07:03	0.0	0.0	0.0	0.0
313	6/21/2019	14:08:03	0.0	0.0	0.0	0.0
314	6/21/2019	14:09:03	0.0	0.0	0.0	0.0
315	6/21/2019	14:10:03	0.0	0.0	0.0	0.0
316	6/21/2019	14:11:03	0.0	0.0	0.0	0.0
317	6/21/2019	14:12:03	0.0	0.0	0.0	0.0
318	6/21/2019	14:13:03	0.0	0.0	0.0	0.0
319	6/21/2019	14:14:03	0.0	0.0	0.0	0.0
320	6/21/2019	14:15:03	0.0	0.0	0.0	0.0
321	6/21/2019	14:16:03	0.0	0.0	0.0	0.0
322	6/21/2019	14:17:03	0.0	0.0	0.0	0.0
323	6/21/2019	14:18:03	0.0	0.0	0.0	0.0
324	6/21/2019	14:19:03	0.0	0.0	0.0	0.0
325	6/21/2019	14:20:03	0.0	0.0	0.0	0.0
326	6/21/2019	14:21:03	0.0	0.0	0.0	0.0
327	6/21/2019	14:22:03	0.0	0.0	0.0	0.0
328	6/21/2019	14:23:03	0.0	0.0	0.0	0.0
329	6/21/2019	14:24:03	0.0	0.0	0.0	0.0
Peak			0.0	0.1	0.1	0.1
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	6/21/2019 08:56:03	0.0	---
002	6/21/2019 08:57:03	0.0	---
003	6/21/2019 08:58:03	0.0	---
004	6/21/2019 08:59:03	0.0	---
005	6/21/2019 09:00:03	0.0	---

006	6/21/2019 09:01:03	0.0	---
007	6/21/2019 09:02:03	0.0	---
008	6/21/2019 09:03:03	0.0	---
009	6/21/2019 09:04:03	0.0	---
010	6/21/2019 09:05:03	0.0	---
011	6/21/2019 09:06:03	0.0	---
012	6/21/2019 09:07:03	0.0	---
013	6/21/2019 09:08:03	0.0	---
014	6/21/2019 09:09:03	0.0	---
015	6/21/2019 09:10:03	0.0	0.0
016	6/21/2019 09:11:03	0.0	0.0
017	6/21/2019 09:12:03	0.0	0.0
018	6/21/2019 09:13:03	0.0	0.0
019	6/21/2019 09:14:03	0.0	0.0
020	6/21/2019 09:15:03	0.0	0.0
021	6/21/2019 09:16:03	0.0	0.0
022	6/21/2019 09:17:03	0.0	0.0
023	6/21/2019 09:18:03	0.0	0.0
024	6/21/2019 09:19:03	0.0	0.0
025	6/21/2019 09:20:03	0.0	0.0
026	6/21/2019 09:21:03	0.0	0.0
027	6/21/2019 09:22:03	0.0	0.0
028	6/21/2019 09:23:03	0.0	0.0
029	6/21/2019 09:24:03	0.0	0.0
030	6/21/2019 09:25:03	0.0	0.0
031	6/21/2019 09:26:03	0.0	0.0
032	6/21/2019 09:27:03	0.0	0.0
033	6/21/2019 09:28:03	0.0	0.0
034	6/21/2019 09:29:03	0.0	0.0
035	6/21/2019 09:30:03	0.0	0.0
036	6/21/2019 09:31:03	0.0	0.0
037	6/21/2019 09:32:03	0.0	0.0
038	6/21/2019 09:33:03	0.0	0.0
039	6/21/2019 09:34:03	0.0	0.0
040	6/21/2019 09:35:03	0.0	0.0
041	6/21/2019 09:36:03	0.0	0.0
042	6/21/2019 09:37:03	0.0	0.0
043	6/21/2019 09:38:03	0.0	0.0
044	6/21/2019 09:39:03	0.0	0.0
045	6/21/2019 09:40:03	0.0	0.0
046	6/21/2019 09:41:03	0.0	0.0
047	6/21/2019 09:42:03	0.0	0.0
048	6/21/2019 09:43:03	0.0	0.0
049	6/21/2019 09:44:03	0.0	0.0
050	6/21/2019 09:45:03	0.0	0.0
051	6/21/2019 09:46:03	0.0	0.0
052	6/21/2019 09:47:03	0.0	0.0
053	6/21/2019 09:48:03	0.0	0.0
054	6/21/2019 09:49:03	0.0	0.0
055	6/21/2019 09:50:03	0.0	0.0

056	6/21/2019 09:51:03	0.0	0.0
057	6/21/2019 09:52:03	0.0	0.0
058	6/21/2019 09:53:03	0.0	0.0
059	6/21/2019 09:54:03	0.0	0.0
060	6/21/2019 09:55:03	0.0	0.0
061	6/21/2019 09:56:03	0.0	0.0
062	6/21/2019 09:57:03	0.0	0.0
063	6/21/2019 09:58:03	0.0	0.0
064	6/21/2019 09:59:03	0.0	0.0
065	6/21/2019 10:00:03	0.0	0.0
066	6/21/2019 10:01:03	0.0	0.0
067	6/21/2019 10:02:03	0.0	0.0
068	6/21/2019 10:03:03	0.0	0.0
069	6/21/2019 10:04:03	0.0	0.0
070	6/21/2019 10:05:03	0.0	0.0
071	6/21/2019 10:06:03	0.0	0.0
072	6/21/2019 10:07:03	0.0	0.0
073	6/21/2019 10:08:03	0.0	0.0
074	6/21/2019 10:09:03	0.0	0.0
075	6/21/2019 10:10:03	0.0	0.0
076	6/21/2019 10:11:03	0.0	0.0
077	6/21/2019 10:12:03	0.0	0.0
078	6/21/2019 10:13:03	0.0	0.0
079	6/21/2019 10:14:03	0.0	0.0
080	6/21/2019 10:15:03	0.0	0.0
081	6/21/2019 10:16:03	0.0	0.0
082	6/21/2019 10:17:03	0.0	0.0
083	6/21/2019 10:18:03	0.0	0.0
084	6/21/2019 10:19:03	0.0	0.0
085	6/21/2019 10:20:03	0.0	0.0
086	6/21/2019 10:21:03	0.0	0.0
087	6/21/2019 10:22:03	0.0	0.0
088	6/21/2019 10:23:03	0.0	0.0
089	6/21/2019 10:24:03	0.0	0.0
090	6/21/2019 10:25:03	0.0	0.0
091	6/21/2019 10:26:03	0.0	0.0
092	6/21/2019 10:27:03	0.0	0.0
093	6/21/2019 10:28:03	0.0	0.0
094	6/21/2019 10:29:03	0.0	0.0
095	6/21/2019 10:30:03	0.0	0.0
096	6/21/2019 10:31:03	0.0	0.0
097	6/21/2019 10:32:03	0.0	0.0
098	6/21/2019 10:33:03	0.0	0.0
099	6/21/2019 10:34:03	0.0	0.0
100	6/21/2019 10:35:03	0.0	0.0
101	6/21/2019 10:36:03	0.0	0.0
102	6/21/2019 10:37:03	0.0	0.0
103	6/21/2019 10:38:03	0.0	0.0
104	6/21/2019 10:39:03	0.0	0.0
105	6/21/2019 10:40:03	0.0	0.0

106	6/21/2019 10:41:03	0.0	0.0
107	6/21/2019 10:42:03	0.0	0.0
108	6/21/2019 10:43:03	0.0	0.0
109	6/21/2019 10:44:03	0.0	0.0
110	6/21/2019 10:45:03	0.0	0.0
111	6/21/2019 10:46:03	0.0	0.0
112	6/21/2019 10:47:03	0.0	0.0
113	6/21/2019 10:48:03	0.0	0.0
114	6/21/2019 10:49:03	0.0	0.0
115	6/21/2019 10:50:03	0.0	0.0
116	6/21/2019 10:51:03	0.0	0.0
117	6/21/2019 10:52:03	0.0	0.0
118	6/21/2019 10:53:03	0.0	0.0
119	6/21/2019 10:54:03	0.0	0.0
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121	6/21/2019 10:56:03	0.0	0.0
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123	6/21/2019 10:58:03	0.0	0.0
124	6/21/2019 10:59:03	0.0	0.0
125	6/21/2019 11:00:03	0.0	0.0
126	6/21/2019 11:01:03	0.0	0.0
127	6/21/2019 11:02:03	0.0	0.0
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129	6/21/2019 11:04:03	0.0	0.0
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131	6/21/2019 11:06:03	0.0	0.0
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133	6/21/2019 11:08:03	0.0	0.0
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135	6/21/2019 11:10:03	0.0	0.0
136	6/21/2019 11:11:03	0.0	0.0
137	6/21/2019 11:12:03	0.0	0.0
138	6/21/2019 11:13:03	0.0	0.0
139	6/21/2019 11:14:03	0.0	0.0
140	6/21/2019 11:15:03	0.0	0.0
141	6/21/2019 11:16:03	0.0	0.0
142	6/21/2019 11:17:03	0.0	0.0
143	6/21/2019 11:18:03	0.0	0.0
144	6/21/2019 11:19:03	0.0	0.0
145	6/21/2019 11:20:03	0.0	0.0
146	6/21/2019 11:21:03	0.0	0.0
147	6/21/2019 11:22:03	0.0	0.0
148	6/21/2019 11:23:03	0.0	0.0
149	6/21/2019 11:24:03	0.0	0.0
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151	6/21/2019 11:26:03	0.0	0.0
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153	6/21/2019 11:28:03	0.0	0.0
154	6/21/2019 11:29:03	0.0	0.0
155	6/21/2019 11:30:03	0.0	0.0

156	6/21/2019 11:31:03	0.0	0.0
157	6/21/2019 11:32:03	0.0	0.0
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159	6/21/2019 11:34:03	0.0	0.0
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161	6/21/2019 11:36:03	0.0	0.0
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163	6/21/2019 11:38:03	0.0	0.0
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167	6/21/2019 11:42:03	0.0	0.0
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177	6/21/2019 11:52:03	0.0	0.0
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185	6/21/2019 12:00:03	0.0	0.0
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187	6/21/2019 12:02:03	0.0	0.0
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189	6/21/2019 12:04:03	0.0	0.0
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191	6/21/2019 12:06:03	0.0	0.0
192	6/21/2019 12:07:03	0.0	0.0
193	6/21/2019 12:08:03	0.0	0.0
194	6/21/2019 12:09:03	0.0	0.0
195	6/21/2019 12:10:03	0.0	0.0
196	6/21/2019 12:11:03	0.0	0.0
197	6/21/2019 12:12:03	0.0	0.0
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199	6/21/2019 12:14:03	0.0	0.0
200	6/21/2019 12:15:03	0.0	0.0
201	6/21/2019 12:16:03	0.0	0.0
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203	6/21/2019 12:18:03	0.0	0.0
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205	6/21/2019 12:20:03	0.0	0.0

206	6/21/2019 12:21:03	0.0	0.0
207	6/21/2019 12:22:03	0.0	0.0
208	6/21/2019 12:23:03	0.0	0.0
209	6/21/2019 12:24:03	0.0	0.0
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212	6/21/2019 12:27:03	0.0	0.0
213	6/21/2019 12:28:03	0.0	0.0
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221	6/21/2019 12:36:03	0.0	0.0
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227	6/21/2019 12:42:03	0.0	0.0
228	6/21/2019 12:43:03	0.0	0.0
229	6/21/2019 12:44:03	0.0	0.0
230	6/21/2019 12:45:03	0.0	0.0
231	6/21/2019 12:46:03	0.0	0.0
232	6/21/2019 12:47:03	0.0	0.0
233	6/21/2019 12:48:03	0.0	0.0
234	6/21/2019 12:49:03	0.0	0.0
235	6/21/2019 12:50:03	0.0	0.0
236	6/21/2019 12:51:03	0.0	0.0
237	6/21/2019 12:52:03	0.0	0.0
238	6/21/2019 12:53:03	0.0	0.0
239	6/21/2019 12:54:03	0.0	0.0
240	6/21/2019 12:55:03	0.0	0.0
241	6/21/2019 12:56:03	0.0	0.0
242	6/21/2019 12:57:03	0.0	0.0
243	6/21/2019 12:58:03	0.0	0.0
244	6/21/2019 12:59:03	0.0	0.0
245	6/21/2019 13:00:03	0.0	0.0
246	6/21/2019 13:01:03	0.0	0.0
247	6/21/2019 13:02:03	0.0	0.0
248	6/21/2019 13:03:03	0.0	0.0
249	6/21/2019 13:04:03	0.0	0.0
250	6/21/2019 13:05:03	0.0	0.0
251	6/21/2019 13:06:03	0.0	0.0
252	6/21/2019 13:07:03	0.0	0.0
253	6/21/2019 13:08:03	0.0	0.0
254	6/21/2019 13:09:03	0.0	0.0
255	6/21/2019 13:10:03	0.0	0.0

256	6/21/2019 13:11:03	0.0	0.0
257	6/21/2019 13:12:03	0.0	0.0
258	6/21/2019 13:13:03	0.0	0.0
259	6/21/2019 13:14:03	0.0	0.0
260	6/21/2019 13:15:03	0.0	0.0
261	6/21/2019 13:16:03	0.0	0.0
262	6/21/2019 13:17:03	0.0	0.0
263	6/21/2019 13:18:03	0.0	0.0
264	6/21/2019 13:19:03	0.0	0.0
265	6/21/2019 13:20:03	0.0	0.0
266	6/21/2019 13:21:03	0.0	0.0
267	6/21/2019 13:22:03	0.0	0.0
268	6/21/2019 13:23:03	0.0	0.0
269	6/21/2019 13:24:03	0.0	0.0
270	6/21/2019 13:25:03	0.0	0.0
271	6/21/2019 13:26:03	0.0	0.0
272	6/21/2019 13:27:03	0.0	0.0
273	6/21/2019 13:28:03	0.0	0.0
274	6/21/2019 13:29:03	0.0	0.0
275	6/21/2019 13:30:03	0.0	0.0
276	6/21/2019 13:31:03	0.0	0.0
277	6/21/2019 13:32:03	0.0	0.0
278	6/21/2019 13:33:03	0.0	0.0
279	6/21/2019 13:34:03	0.0	0.0
280	6/21/2019 13:35:03	0.0	0.0
281	6/21/2019 13:36:03	0.0	0.0
282	6/21/2019 13:37:03	0.0	0.0
283	6/21/2019 13:38:03	0.0	0.0
284	6/21/2019 13:39:03	0.0	0.0
285	6/21/2019 13:40:03	0.0	0.0
286	6/21/2019 13:41:03	0.0	0.0
287	6/21/2019 13:42:03	0.0	0.0
288	6/21/2019 13:43:03	0.0	0.0
289	6/21/2019 13:44:03	0.0	0.0
290	6/21/2019 13:45:03	0.0	0.0
291	6/21/2019 13:46:03	0.0	0.0
292	6/21/2019 13:47:03	0.0	0.0
293	6/21/2019 13:48:03	0.0	0.0
294	6/21/2019 13:49:03	0.0	0.0
295	6/21/2019 13:50:03	0.0	0.0
296	6/21/2019 13:51:03	0.0	0.0
297	6/21/2019 13:52:03	0.0	0.0
298	6/21/2019 13:53:03	0.0	0.0
299	6/21/2019 13:54:03	0.0	0.0
300	6/21/2019 13:55:03	0.0	0.0
301	6/21/2019 13:56:03	0.0	0.0
302	6/21/2019 13:57:03	0.0	0.0
303	6/21/2019 13:58:03	0.0	0.0
304	6/21/2019 13:59:03	0.0	0.0
305	6/21/2019 14:00:03	0.0	0.0

306	6/21/2019 14:01:03	0.0	0.0
307	6/21/2019 14:02:03	0.0	0.0
308	6/21/2019 14:03:03	0.0	0.0
309	6/21/2019 14:04:03	0.0	0.0
310	6/21/2019 14:05:03	0.0	0.0
311	6/21/2019 14:06:03	0.0	0.0
312	6/21/2019 14:07:03	0.0	0.0
313	6/21/2019 14:08:03	0.0	0.0
314	6/21/2019 14:09:03	0.0	0.0
315	6/21/2019 14:10:03	0.0	0.0
316	6/21/2019 14:11:03	0.0	0.0
317	6/21/2019 14:12:03	0.0	0.0
318	6/21/2019 14:13:03	0.0	0.0
319	6/21/2019 14:14:03	0.0	0.0
320	6/21/2019 14:15:03	0.0	0.0
321	6/21/2019 14:16:03	0.0	0.0
322	6/21/2019 14:17:03	0.0	0.0
323	6/21/2019 14:18:03	0.0	0.0
324	6/21/2019 14:19:03	0.0	0.0
325	6/21/2019 14:20:03	0.0	0.0
326	6/21/2019 14:21:03	0.0	0.0
327	6/21/2019 14:22:03	0.0	0.0
328	6/21/2019 14:23:03	0.0	0.0
329	6/21/2019 14:24:03	0.0	0.0

==========
19/06/24 07:46
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-922384
Unit Firmware Ver V2.20

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

Site ID RAE00000
User ID USER0000

Begin 6/24/2019 07:46:27
End 6/24/2019 13:45:03
Sample Period(s) 60
Number of Records 358

Sensor PID(ppm)
Sensor SN S023030211V7
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 6/24/2019 07:12
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	6/24/2019 07:47:27	0.0	0.0	0.0	0.0	
002	6/24/2019 07:48:27	0.0	0.0	0.0	0.0	
003	6/24/2019 07:49:27	0.0	0.0	0.0	0.0	
004	6/24/2019 07:50:27	0.0	0.0	0.0	0.0	
005	6/24/2019 07:51:27	0.0	0.0	0.0	0.0	
006	6/24/2019 07:52:27	0.0	0.0	0.0	0.0	
007	6/24/2019 07:53:27	0.0	0.0	0.0	0.0	
008	6/24/2019 07:54:27	0.0	0.0	0.0	0.0	

009	6/24/2019	07:55:27	0.0	0.0	0.0	0.0
010	6/24/2019	07:56:27	0.0	0.0	0.0	0.0
011	6/24/2019	07:57:27	0.0	0.0	0.0	0.0
012	6/24/2019	07:58:27	0.0	0.0	0.0	0.0
013	6/24/2019	07:59:27	0.0	0.0	0.0	0.0
014	6/24/2019	08:00:27	0.0	0.0	0.0	0.0
015	6/24/2019	08:01:27	0.0	0.0	0.0	0.0
016	6/24/2019	08:02:27	0.0	0.0	0.0	0.0
017	6/24/2019	08:03:27	0.0	0.0	0.0	0.0
018	6/24/2019	08:04:27	0.0	0.0	0.0	0.0
019	6/24/2019	08:05:27	0.0	0.0	0.0	0.0
020	6/24/2019	08:06:27	0.0	0.0	0.0	0.0
021	6/24/2019	08:07:27	0.0	0.0	0.0	0.0
022	6/24/2019	08:08:27	0.0	0.0	0.0	0.0
023	6/24/2019	08:09:27	0.0	0.0	0.0	0.0
024	6/24/2019	08:10:27	0.0	0.0	0.0	0.0
025	6/24/2019	08:11:27	0.0	0.0	0.0	0.0
026	6/24/2019	08:12:27	0.0	0.0	0.0	0.0
027	6/24/2019	08:13:27	0.0	0.0	0.0	0.0
028	6/24/2019	08:14:27	0.0	0.0	0.0	0.0
029	6/24/2019	08:15:27	0.0	0.0	0.0	0.0
030	6/24/2019	08:16:27	0.0	0.0	0.0	0.0
031	6/24/2019	08:17:27	0.0	0.0	0.0	0.0
032	6/24/2019	08:18:27	0.0	0.0	0.0	0.0
033	6/24/2019	08:19:27	0.0	0.0	0.0	0.0
034	6/24/2019	08:20:27	0.0	0.0	0.0	0.0
035	6/24/2019	08:21:27	0.0	0.0	0.0	0.0
036	6/24/2019	08:22:27	0.0	0.0	0.0	0.0
037	6/24/2019	08:23:27	0.0	0.0	0.0	0.0
038	6/24/2019	08:24:27	0.0	0.0	0.0	0.0
039	6/24/2019	08:25:27	0.0	0.0	0.0	0.0
040	6/24/2019	08:26:27	0.0	0.0	0.0	0.0
041	6/24/2019	08:27:27	0.0	0.0	0.0	0.0
042	6/24/2019	08:28:27	0.0	0.0	0.0	0.0
043	6/24/2019	08:29:27	0.0	0.0	0.0	0.0
044	6/24/2019	08:30:27	0.0	0.0	0.0	0.0
045	6/24/2019	08:31:27	0.0	0.0	0.0	0.0
046	6/24/2019	08:32:27	0.0	0.0	0.0	0.0
047	6/24/2019	08:33:27	0.0	0.0	0.0	0.0
048	6/24/2019	08:34:27	0.0	0.0	0.0	0.0
049	6/24/2019	08:35:27	0.0	0.0	0.0	0.0
050	6/24/2019	08:36:27	0.0	0.0	0.0	0.0
051	6/24/2019	08:37:27	0.0	0.0	0.0	0.0
052	6/24/2019	08:38:27	0.0	0.0	0.0	0.0
053	6/24/2019	08:39:27	0.0	0.0	0.0	0.0
054	6/24/2019	08:40:27	0.0	0.0	0.0	0.0
055	6/24/2019	08:41:27	0.0	0.0	0.0	0.0
056	6/24/2019	08:42:27	0.0	0.0	0.0	0.0
057	6/24/2019	08:43:27	0.0	0.0	0.0	0.0
058	6/24/2019	08:44:27	0.0	0.0	0.0	0.0

059	6/24/2019	08:45:27	0.0	0.0	0.0	0.0
060	6/24/2019	08:46:27	0.0	0.0	0.0	0.0
061	6/24/2019	08:47:27	0.0	0.0	0.0	0.0
062	6/24/2019	08:48:27	0.0	0.0	0.0	0.0
063	6/24/2019	08:49:27	0.0	0.0	0.0	0.0
064	6/24/2019	08:50:27	0.0	0.0	0.0	0.0
065	6/24/2019	08:51:27	0.0	0.0	0.0	0.0
066	6/24/2019	08:52:27	0.0	0.0	0.0	0.0
067	6/24/2019	08:53:27	0.0	0.0	0.0	0.0
068	6/24/2019	08:54:27	0.0	0.0	0.0	0.0
069	6/24/2019	08:55:27	0.0	0.0	0.0	0.0
070	6/24/2019	08:56:27	0.0	0.0	0.0	0.0
071	6/24/2019	08:57:27	0.0	0.0	0.0	0.0
072	6/24/2019	08:58:27	0.0	0.0	0.0	0.0
073	6/24/2019	08:59:27	0.0	0.0	0.0	0.0
074	6/24/2019	09:00:27	0.0	0.0	0.0	0.0
075	6/24/2019	09:01:27	0.0	0.0	0.0	0.0
076	6/24/2019	09:02:27	0.0	0.0	0.0	0.0
077	6/24/2019	09:03:27	0.0	0.0	0.0	0.0
078	6/24/2019	09:04:27	0.0	0.0	0.0	0.0
079	6/24/2019	09:05:27	0.0	0.0	0.0	0.0
080	6/24/2019	09:06:27	0.0	0.0	0.0	0.0
081	6/24/2019	09:07:27	0.0	0.0	0.1	0.0
082	6/24/2019	09:08:27	0.0	0.0	0.0	0.0
083	6/24/2019	09:09:27	0.0	0.0	0.0	0.0
084	6/24/2019	09:10:27	0.0	0.0	0.0	0.0
085	6/24/2019	09:11:27	0.0	0.0	0.0	0.0
086	6/24/2019	09:12:27	0.0	0.0	0.0	0.0
087	6/24/2019	09:13:27	0.0	0.0	0.0	0.0
088	6/24/2019	09:14:27	0.0	0.0	0.0	0.0
089	6/24/2019	09:15:27	0.0	0.0	0.0	0.0
090	6/24/2019	09:16:27	0.0	0.0	0.0	0.0
091	6/24/2019	09:17:27	0.0	0.0	0.0	0.0
092	6/24/2019	09:18:27	0.0	0.0	0.0	0.0
093	6/24/2019	09:19:27	0.0	0.0	0.0	0.0
094	6/24/2019	09:20:27	0.0	0.0	0.0	0.0
095	6/24/2019	09:21:27	0.0	0.0	0.0	0.0
096	6/24/2019	09:22:27	0.0	0.0	0.0	0.0
097	6/24/2019	09:23:27	0.0	0.0	0.0	0.0
098	6/24/2019	09:24:27	0.0	0.0	0.0	0.0
099	6/24/2019	09:25:27	0.0	0.0	0.0	0.0
100	6/24/2019	09:26:27	0.0	0.0	0.0	0.0
101	6/24/2019	09:27:27	0.0	0.0	0.0	0.0
102	6/24/2019	09:28:27	0.0	0.0	0.0	0.0
103	6/24/2019	09:29:27	0.0	0.0	0.0	0.0
104	6/24/2019	09:30:27	0.0	0.0	0.0	0.0
105	6/24/2019	09:31:27	0.0	0.0	0.0	0.0
106	6/24/2019	09:32:27	0.0	0.0	0.0	0.0
107	6/24/2019	09:33:27	0.0	0.0	0.0	0.0
108	6/24/2019	09:34:27	0.0	0.0	0.0	0.0

109	6/24/2019	09:35:27	0.0	0.0	0.0	0.0
110	6/24/2019	09:36:27	0.0	0.0	0.0	0.0
111	6/24/2019	09:37:27	0.0	0.0	0.0	0.0
112	6/24/2019	09:38:27	0.0	0.0	0.0	0.0
113	6/24/2019	09:39:27	0.0	0.0	0.0	0.0
114	6/24/2019	09:40:27	0.0	0.0	0.0	0.0
115	6/24/2019	09:41:27	0.0	0.0	0.0	0.0
116	6/24/2019	09:42:27	0.0	0.0	0.0	0.0
117	6/24/2019	09:43:27	0.0	0.0	0.0	0.0
118	6/24/2019	09:44:27	0.0	0.0	0.0	0.0
119	6/24/2019	09:45:27	0.0	0.0	0.0	0.0
120	6/24/2019	09:46:27	0.0	0.0	0.0	0.0
121	6/24/2019	09:47:27	0.0	0.0	0.0	0.0
122	6/24/2019	09:48:27	0.0	0.0	0.0	0.0
123	6/24/2019	09:49:27	0.0	0.0	0.0	0.0
124	6/24/2019	09:50:27	0.0	0.0	0.0	0.0
125	6/24/2019	09:51:27	0.0	0.0	0.0	0.0
126	6/24/2019	09:52:27	0.0	0.0	0.0	0.0
127	6/24/2019	09:53:27	0.0	0.0	0.0	0.0
128	6/24/2019	09:54:27	0.0	0.0	0.0	0.0
129	6/24/2019	09:55:27	0.0	0.0	0.0	0.0
130	6/24/2019	09:56:27	0.0	0.0	0.0	0.0
131	6/24/2019	09:57:27	0.0	0.0	0.0	0.0
132	6/24/2019	09:58:27	0.0	0.0	0.0	0.0
133	6/24/2019	09:59:27	0.0	0.0	0.0	0.0
134	6/24/2019	10:00:27	0.0	0.0	0.0	0.0
135	6/24/2019	10:01:27	0.0	0.0	0.0	0.0
136	6/24/2019	10:02:27	0.0	0.0	0.0	0.0
137	6/24/2019	10:03:27	0.0	0.0	0.0	0.0
138	6/24/2019	10:04:27	0.0	0.0	0.0	0.0
139	6/24/2019	10:05:27	0.0	0.0	0.0	0.0
140	6/24/2019	10:06:27	0.0	0.0	0.0	0.0
141	6/24/2019	10:07:27	0.0	0.0	0.0	0.0
142	6/24/2019	10:08:27	0.0	0.0	0.0	0.0
143	6/24/2019	10:09:27	0.0	0.0	0.0	0.0
144	6/24/2019	10:10:27	0.0	0.0	0.0	0.0
145	6/24/2019	10:11:27	0.0	0.0	0.0	0.0
146	6/24/2019	10:12:27	0.0	0.0	0.0	0.0
147	6/24/2019	10:13:27	0.0	0.0	0.0	0.0
148	6/24/2019	10:14:27	0.0	0.0	0.0	0.0
149	6/24/2019	10:15:27	0.0	0.0	0.0	0.0
150	6/24/2019	10:16:27	0.0	0.0	0.0	0.0
151	6/24/2019	10:17:27	0.0	0.0	0.0	0.0
152	6/24/2019	10:18:27	0.0	0.0	0.0	0.0
153	6/24/2019	10:19:27	0.0	0.0	0.0	0.0
154	6/24/2019	10:20:27	0.0	0.0	0.0	0.0
155	6/24/2019	10:21:27	0.0	0.0	0.0	0.0
156	6/24/2019	10:22:27	0.0	0.0	0.0	0.0
157	6/24/2019	10:23:27	0.0	0.0	0.0	0.0
158	6/24/2019	10:24:27	0.0	0.0	0.0	0.0

159	6/24/2019	10:25:27	0.0	0.0	0.0	0.0
160	6/24/2019	10:26:27	0.0	0.0	0.0	0.0
161	6/24/2019	10:27:27	0.0	0.0	0.0	0.0
162	6/24/2019	10:28:27	0.0	0.0	0.0	0.0
163	6/24/2019	10:29:27	0.0	0.0	0.0	0.0
164	6/24/2019	10:30:27	0.0	0.0	0.0	0.0
165	6/24/2019	10:31:27	0.0	0.0	0.0	0.0
166	6/24/2019	10:32:27	0.0	0.0	0.0	0.0
167	6/24/2019	10:33:27	0.0	0.0	0.0	0.0
168	6/24/2019	10:34:27	0.0	0.0	0.1	0.0
169	6/24/2019	10:35:27	0.0	0.0	0.0	0.0
170	6/24/2019	10:36:27	0.0	0.0	0.0	0.0
171	6/24/2019	10:37:27	0.0	0.0	0.0	0.0
172	6/24/2019	10:38:27	0.0	0.0	0.0	0.0
173	6/24/2019	10:39:27	0.0	0.0	0.0	0.0
174	6/24/2019	10:40:27	0.0	0.0	0.0	0.0
175	6/24/2019	10:41:27	0.0	0.0	0.0	0.0
176	6/24/2019	10:42:27	0.0	0.0	0.0	0.0
177	6/24/2019	10:43:27	0.0	0.0	0.0	0.0
178	6/24/2019	10:44:27	0.0	0.0	0.0	0.0
179	6/24/2019	10:45:27	0.0	0.0	0.0	0.0
180	6/24/2019	10:46:27	0.0	0.0	0.0	0.0
181	6/24/2019	10:47:27	0.0	0.0	0.0	0.0
182	6/24/2019	10:48:27	0.0	0.0	0.0	0.0
183	6/24/2019	10:49:27	0.0	0.0	0.0	0.0
184	6/24/2019	10:50:27	0.0	0.0	0.0	0.0
185	6/24/2019	10:51:27	0.0	0.0	0.0	0.0
186	6/24/2019	10:52:27	0.0	0.0	0.0	0.0
187	6/24/2019	10:53:27	0.0	0.0	0.0	0.0
188	6/24/2019	10:54:27	0.0	0.0	0.0	0.0
189	6/24/2019	10:55:27	0.0	0.0	0.0	0.0
190	6/24/2019	10:56:27	0.0	0.0	0.1	0.0
191	6/24/2019	10:57:27	0.0	0.0	0.0	0.0
192	6/24/2019	10:58:27	0.0	0.0	0.0	0.0
193	6/24/2019	10:59:27	0.0	0.0	0.0	0.0
194	6/24/2019	11:00:27	0.0	0.0	0.0	0.0
195	6/24/2019	11:01:27	0.0	0.0	0.0	0.0
196	6/24/2019	11:02:27	0.0	0.0	0.0	0.0
197	6/24/2019	11:03:27	0.0	0.0	0.0	0.0
198	6/24/2019	11:04:27	0.0	0.0	0.0	0.0
199	6/24/2019	11:05:27	0.0	0.0	0.0	0.0
200	6/24/2019	11:06:27	0.0	0.0	0.0	0.0
201	6/24/2019	11:07:27	0.0	0.0	0.0	0.0
202	6/24/2019	11:08:27	0.0	0.0	0.0	0.0
203	6/24/2019	11:09:27	0.0	0.0	0.0	0.0
204	6/24/2019	11:10:27	0.0	0.0	0.0	0.0
205	6/24/2019	11:11:27	0.0	0.0	0.0	0.0
206	6/24/2019	11:12:27	0.0	0.0	0.0	0.0
207	6/24/2019	11:13:27	0.0	0.0	0.0	0.0
208	6/24/2019	11:14:27	0.0	0.0	0.0	0.0

209	6/24/2019	11:15:27	0.0	0.0	0.0	0.0
210	6/24/2019	11:16:27	0.0	0.0	0.0	0.0
211	6/24/2019	11:17:27	0.0	0.0	0.0	0.0
212	6/24/2019	11:18:27	0.0	0.0	0.0	0.0
213	6/24/2019	11:19:27	0.0	0.0	0.0	0.0
214	6/24/2019	11:20:27	0.0	0.0	0.0	0.0
215	6/24/2019	11:21:27	0.0	0.0	0.0	0.0
216	6/24/2019	11:22:27	0.0	0.0	0.0	0.0
217	6/24/2019	11:23:27	0.0	0.0	0.0	0.0
218	6/24/2019	11:24:27	0.0	0.0	0.0	0.0
219	6/24/2019	11:25:27	0.0	0.0	0.0	0.0
220	6/24/2019	11:26:27	0.0	0.0	0.0	0.0
221	6/24/2019	11:27:27	0.0	0.0	0.0	0.0
222	6/24/2019	11:28:27	0.0	0.0	0.0	0.0
223	6/24/2019	11:29:27	0.0	0.0	0.0	0.0
224	6/24/2019	11:30:27	0.0	0.0	0.0	0.0
225	6/24/2019	11:31:27	0.0	0.0	0.0	0.0
226	6/24/2019	11:32:27	0.0	0.0	0.0	0.0
227	6/24/2019	11:33:27	0.0	0.0	0.0	0.0
228	6/24/2019	11:34:27	0.0	0.0	0.0	0.0
229	6/24/2019	11:35:27	0.0	0.0	0.0	0.0
230	6/24/2019	11:36:27	0.0	0.0	0.0	0.0
231	6/24/2019	11:37:27	0.0	0.0	0.0	0.0
232	6/24/2019	11:38:27	0.0	0.0	0.0	0.0
233	6/24/2019	11:39:27	0.0	0.0	0.0	0.0
234	6/24/2019	11:40:27	0.0	0.0	0.0	0.0
235	6/24/2019	11:41:27	0.0	0.0	0.0	0.0
236	6/24/2019	11:42:27	0.0	0.0	0.0	0.0
237	6/24/2019	11:43:27	0.0	0.0	0.0	0.0
238	6/24/2019	11:44:27	0.0	0.0	0.0	0.0
239	6/24/2019	11:45:27	0.0	0.0	0.0	0.0
240	6/24/2019	11:46:27	0.0	0.0	0.0	0.0
241	6/24/2019	11:47:27	0.0	0.0	0.0	0.0
242	6/24/2019	11:48:27	0.0	0.0	0.0	0.0
243	6/24/2019	11:49:27	0.0	0.0	0.0	0.0
244	6/24/2019	11:50:27	0.0	0.0	0.0	0.0
245	6/24/2019	11:51:27	0.0	0.0	0.0	0.0
246	6/24/2019	11:52:27	0.0	0.0	0.0	0.0
247	6/24/2019	11:53:27	0.0	0.0	0.0	0.0
248	6/24/2019	11:54:27	0.0	0.0	0.0	0.0
249	6/24/2019	11:55:27	0.0	0.0	0.0	0.0
250	6/24/2019	11:56:27	0.0	0.0	0.0	0.0
251	6/24/2019	11:57:27	0.0	0.0	0.0	0.0
252	6/24/2019	11:58:27	0.0	0.0	0.0	0.0
253	6/24/2019	11:59:27	0.0	0.0	0.0	0.0
254	6/24/2019	12:00:27	0.0	0.0	0.0	0.0
255	6/24/2019	12:01:27	0.0	0.0	0.0	0.0
256	6/24/2019	12:02:27	0.0	0.0	0.0	0.0
257	6/24/2019	12:03:27	0.0	0.0	0.0	0.0
258	6/24/2019	12:04:27	0.0	0.0	0.0	0.0

259	6/24/2019 12:05:27	0.0	0.0	0.0	0.0
260	6/24/2019 12:06:27	0.0	0.0	0.0	0.0
261	6/24/2019 12:07:27	0.0	0.0	0.0	0.0
262	6/24/2019 12:08:27	0.0	0.0	0.0	0.0
263	6/24/2019 12:09:27	0.0	0.0	0.0	0.0
264	6/24/2019 12:10:27	0.0	0.0	0.0	0.0
265	6/24/2019 12:11:27	0.0	0.0	0.0	0.0
266	6/24/2019 12:12:27	0.0	0.0	0.0	0.0
267	6/24/2019 12:13:27	0.0	0.0	0.0	0.0
268	6/24/2019 12:14:27	0.0	0.0	0.0	0.0
269	6/24/2019 12:15:27	0.0	0.0	0.0	0.0
270	6/24/2019 12:16:27	0.0	0.0	0.0	0.0
271	6/24/2019 12:17:27	0.0	0.0	0.0	0.0
272	6/24/2019 12:18:27	0.0	0.0	0.0	0.0
273	6/24/2019 12:19:27	0.0	0.0	0.0	0.0
274	6/24/2019 12:20:27	0.0	0.0	0.0	0.0
275	6/24/2019 12:21:27	0.0	0.0	0.0	0.0
276	6/24/2019 12:22:27	0.0	0.0	0.0	0.0
277	6/24/2019 12:23:27	0.0	0.0	0.0	0.0
278	6/24/2019 12:24:27	0.0	0.0	0.0	0.0
279	6/24/2019 12:25:27	0.0	0.0	0.0	0.0
280	6/24/2019 12:26:27	0.0	0.0	0.0	0.0
281	6/24/2019 12:27:27	0.0	0.0	0.0	0.0
282	6/24/2019 12:28:27	0.0	0.0	0.0	0.0
283	6/24/2019 12:29:27	0.0	0.0	0.0	0.0
284	6/24/2019 12:30:27	0.0	0.0	0.0	0.0
285	6/24/2019 12:31:27	0.0	0.0	0.0	0.0
286	6/24/2019 12:32:27	0.0	0.0	0.0	0.0
287	6/24/2019 12:33:27	0.0	0.0	0.0	0.0
288	6/24/2019 12:34:27	0.0	0.0	0.0	0.0
289	6/24/2019 12:35:27	0.0	0.0	0.0	0.0
290	6/24/2019 12:36:27	0.0	0.0	0.0	0.0
291	6/24/2019 12:37:27	0.0	0.0	0.0	0.0
292	6/24/2019 12:38:27	0.0	0.0	0.0	0.0
293	6/24/2019 12:39:27	0.0	0.0	0.0	0.0
294	6/24/2019 12:40:27	0.0	0.0	0.0	0.0
295	6/24/2019 12:41:27	0.0	0.0	0.0	0.0
296	6/24/2019 12:42:27	0.0	0.0	0.0	0.0
297	6/24/2019 12:43:27	0.0	0.0	0.0	0.0
298	6/24/2019 12:44:27	0.0	0.0	0.0	0.0
299	6/24/2019 12:45:27	0.0	0.0	0.0	0.0
300	6/24/2019 12:46:27	0.0	0.0	0.0	0.0
301	6/24/2019 12:47:27	0.0	0.0	0.0	0.0
302	6/24/2019 12:48:27	0.0	0.0	0.0	0.0
303	6/24/2019 12:49:27	0.0	0.0	0.0	0.0
304	6/24/2019 12:50:27	0.0	0.0	0.0	0.0
305	6/24/2019 12:51:27	0.0	0.0	0.0	0.0
306	6/24/2019 12:52:27	0.0	0.0	0.0	0.0
307	6/24/2019 12:53:27	0.0	0.0	0.0	0.0
308	6/24/2019 12:54:27	0.0	0.0	0.0	0.0

309	6/24/2019	12:55:27	0.0	0.0	0.0	0.0
310	6/24/2019	12:56:27	0.0	0.0	0.0	0.0
311	6/24/2019	12:57:27	0.0	0.0	0.0	0.0
312	6/24/2019	12:58:27	0.0	0.0	0.0	0.0
313	6/24/2019	12:59:27	0.0	0.0	0.0	0.0
314	6/24/2019	13:00:27	0.0	0.0	0.0	0.0
315	6/24/2019	13:01:27	0.0	0.0	0.0	0.0
316	6/24/2019	13:02:27	0.0	0.0	0.0	0.0
317	6/24/2019	13:03:27	0.0	0.0	0.0	0.0
318	6/24/2019	13:04:27	0.0	0.0	0.0	0.0
319	6/24/2019	13:05:27	0.0	0.0	0.0	0.0
320	6/24/2019	13:06:27	0.0	0.0	0.0	0.0
321	6/24/2019	13:07:27	0.0	0.0	0.0	0.0
322	6/24/2019	13:08:27	0.0	0.0	0.0	0.0
323	6/24/2019	13:09:27	0.0	0.0	0.0	0.0
324	6/24/2019	13:10:27	0.0	0.0	0.0	0.0
325	6/24/2019	13:11:27	0.0	0.0	0.0	0.0
326	6/24/2019	13:12:27	0.0	0.0	0.0	0.0
327	6/24/2019	13:13:27	0.0	0.0	0.0	0.0
328	6/24/2019	13:14:27	0.0	0.0	0.0	0.0
329	6/24/2019	13:15:27	0.0	0.0	0.0	0.0
330	6/24/2019	13:16:27	0.0	0.0	0.0	0.0
331	6/24/2019	13:17:27	0.0	0.0	0.0	0.0
332	6/24/2019	13:18:27	0.0	0.0	0.0	0.0
333	6/24/2019	13:19:27	0.0	0.0	0.0	0.0
334	6/24/2019	13:20:27	0.0	0.0	0.0	0.0
335	6/24/2019	13:21:27	0.0	0.0	0.0	0.0
336	6/24/2019	13:22:27	0.0	0.0	0.0	0.0
337	6/24/2019	13:23:27	0.0	0.0	0.0	0.0
338	6/24/2019	13:24:27	0.0	0.0	0.0	0.0
339	6/24/2019	13:25:27	0.0	0.0	0.0	0.0
340	6/24/2019	13:26:27	0.0	0.0	0.0	0.0
341	6/24/2019	13:27:27	0.0	0.0	0.0	0.0
342	6/24/2019	13:28:27	0.0	0.0	0.0	0.0
343	6/24/2019	13:29:27	0.0	0.0	0.0	0.0
344	6/24/2019	13:30:27	0.0	0.0	0.0	0.0
345	6/24/2019	13:31:27	0.0	0.0	0.0	0.0
346	6/24/2019	13:32:27	0.0	0.0	0.0	0.0
347	6/24/2019	13:33:27	0.0	0.0	0.0	0.0
348	6/24/2019	13:34:27	0.0	0.0	0.0	0.0
349	6/24/2019	13:35:27	0.0	0.0	0.0	0.0
350	6/24/2019	13:36:27	0.0	0.0	0.0	0.0
351	6/24/2019	13:37:27	0.0	0.0	0.0	0.0
352	6/24/2019	13:38:27	0.0	0.0	0.0	0.0
353	6/24/2019	13:39:27	0.0	0.0	0.0	0.0
354	6/24/2019	13:40:27	0.0	0.0	0.0	0.0
355	6/24/2019	13:41:27	0.0	0.0	0.0	0.0
356	6/24/2019	13:42:27	0.0	0.0	0.0	0.0
357	6/24/2019	13:43:27	0.0	0.0	0.0	0.0
358	6/24/2019	13:44:27	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	6/24/2019	07:47:27	0.0	---
002	6/24/2019	07:48:27	0.0	---
003	6/24/2019	07:49:27	0.0	---
004	6/24/2019	07:50:27	0.0	---
005	6/24/2019	07:51:27	0.0	---
006	6/24/2019	07:52:27	0.0	---
007	6/24/2019	07:53:27	0.0	---
008	6/24/2019	07:54:27	0.0	---
009	6/24/2019	07:55:27	0.0	---
010	6/24/2019	07:56:27	0.0	---
011	6/24/2019	07:57:27	0.0	---
012	6/24/2019	07:58:27	0.0	---
013	6/24/2019	07:59:27	0.0	---
014	6/24/2019	08:00:27	0.0	---
015	6/24/2019	08:01:27	0.0	0.0
016	6/24/2019	08:02:27	0.0	0.0
017	6/24/2019	08:03:27	0.0	0.0
018	6/24/2019	08:04:27	0.0	0.0
019	6/24/2019	08:05:27	0.0	0.0
020	6/24/2019	08:06:27	0.0	0.0
021	6/24/2019	08:07:27	0.0	0.0
022	6/24/2019	08:08:27	0.0	0.0
023	6/24/2019	08:09:27	0.0	0.0
024	6/24/2019	08:10:27	0.0	0.0
025	6/24/2019	08:11:27	0.0	0.0
026	6/24/2019	08:12:27	0.0	0.0
027	6/24/2019	08:13:27	0.0	0.0
028	6/24/2019	08:14:27	0.0	0.0
029	6/24/2019	08:15:27	0.0	0.0
030	6/24/2019	08:16:27	0.0	0.0
031	6/24/2019	08:17:27	0.0	0.0
032	6/24/2019	08:18:27	0.0	0.0
033	6/24/2019	08:19:27	0.0	0.0
034	6/24/2019	08:20:27	0.0	0.0
035	6/24/2019	08:21:27	0.0	0.0
036	6/24/2019	08:22:27	0.0	0.0
037	6/24/2019	08:23:27	0.0	0.0
038	6/24/2019	08:24:27	0.0	0.0
039	6/24/2019	08:25:27	0.0	0.0
040	6/24/2019	08:26:27	0.0	0.0
041	6/24/2019	08:27:27	0.0	0.0
042	6/24/2019	08:28:27	0.0	0.0

043	6/24/2019 08:29:27	0.0	0.0
044	6/24/2019 08:30:27	0.0	0.0
045	6/24/2019 08:31:27	0.0	0.0
046	6/24/2019 08:32:27	0.0	0.0
047	6/24/2019 08:33:27	0.0	0.0
048	6/24/2019 08:34:27	0.0	0.0
049	6/24/2019 08:35:27	0.0	0.0
050	6/24/2019 08:36:27	0.0	0.0
051	6/24/2019 08:37:27	0.0	0.0
052	6/24/2019 08:38:27	0.0	0.0
053	6/24/2019 08:39:27	0.0	0.0
054	6/24/2019 08:40:27	0.0	0.0
055	6/24/2019 08:41:27	0.0	0.0
056	6/24/2019 08:42:27	0.0	0.0
057	6/24/2019 08:43:27	0.0	0.0
058	6/24/2019 08:44:27	0.0	0.0
059	6/24/2019 08:45:27	0.0	0.0
060	6/24/2019 08:46:27	0.0	0.0
061	6/24/2019 08:47:27	0.0	0.0
062	6/24/2019 08:48:27	0.0	0.0
063	6/24/2019 08:49:27	0.0	0.0
064	6/24/2019 08:50:27	0.0	0.0
065	6/24/2019 08:51:27	0.0	0.0
066	6/24/2019 08:52:27	0.0	0.0
067	6/24/2019 08:53:27	0.0	0.0
068	6/24/2019 08:54:27	0.0	0.0
069	6/24/2019 08:55:27	0.0	0.0
070	6/24/2019 08:56:27	0.0	0.0
071	6/24/2019 08:57:27	0.0	0.0
072	6/24/2019 08:58:27	0.0	0.0
073	6/24/2019 08:59:27	0.0	0.0
074	6/24/2019 09:00:27	0.0	0.0
075	6/24/2019 09:01:27	0.0	0.0
076	6/24/2019 09:02:27	0.0	0.0
077	6/24/2019 09:03:27	0.0	0.0
078	6/24/2019 09:04:27	0.0	0.0
079	6/24/2019 09:05:27	0.0	0.0
080	6/24/2019 09:06:27	0.0	0.0
081	6/24/2019 09:07:27	0.0	0.0
082	6/24/2019 09:08:27	0.0	0.0
083	6/24/2019 09:09:27	0.0	0.0
084	6/24/2019 09:10:27	0.0	0.0
085	6/24/2019 09:11:27	0.0	0.0
086	6/24/2019 09:12:27	0.0	0.0
087	6/24/2019 09:13:27	0.0	0.0
088	6/24/2019 09:14:27	0.0	0.0
089	6/24/2019 09:15:27	0.0	0.0
090	6/24/2019 09:16:27	0.0	0.0
091	6/24/2019 09:17:27	0.0	0.0
092	6/24/2019 09:18:27	0.0	0.0

093	6/24/2019 09:19:27	0.0	0.0
094	6/24/2019 09:20:27	0.0	0.0
095	6/24/2019 09:21:27	0.0	0.0
096	6/24/2019 09:22:27	0.0	0.0
097	6/24/2019 09:23:27	0.0	0.0
098	6/24/2019 09:24:27	0.0	0.0
099	6/24/2019 09:25:27	0.0	0.0
100	6/24/2019 09:26:27	0.0	0.0
101	6/24/2019 09:27:27	0.0	0.0
102	6/24/2019 09:28:27	0.0	0.0
103	6/24/2019 09:29:27	0.0	0.0
104	6/24/2019 09:30:27	0.0	0.0
105	6/24/2019 09:31:27	0.0	0.0
106	6/24/2019 09:32:27	0.0	0.0
107	6/24/2019 09:33:27	0.0	0.0
108	6/24/2019 09:34:27	0.0	0.0
109	6/24/2019 09:35:27	0.0	0.0
110	6/24/2019 09:36:27	0.0	0.0
111	6/24/2019 09:37:27	0.0	0.0
112	6/24/2019 09:38:27	0.0	0.0
113	6/24/2019 09:39:27	0.0	0.0
114	6/24/2019 09:40:27	0.0	0.0
115	6/24/2019 09:41:27	0.0	0.0
116	6/24/2019 09:42:27	0.0	0.0
117	6/24/2019 09:43:27	0.0	0.0
118	6/24/2019 09:44:27	0.0	0.0
119	6/24/2019 09:45:27	0.0	0.0
120	6/24/2019 09:46:27	0.0	0.0
121	6/24/2019 09:47:27	0.0	0.0
122	6/24/2019 09:48:27	0.0	0.0
123	6/24/2019 09:49:27	0.0	0.0
124	6/24/2019 09:50:27	0.0	0.0
125	6/24/2019 09:51:27	0.0	0.0
126	6/24/2019 09:52:27	0.0	0.0
127	6/24/2019 09:53:27	0.0	0.0
128	6/24/2019 09:54:27	0.0	0.0
129	6/24/2019 09:55:27	0.0	0.0
130	6/24/2019 09:56:27	0.0	0.0
131	6/24/2019 09:57:27	0.0	0.0
132	6/24/2019 09:58:27	0.0	0.0
133	6/24/2019 09:59:27	0.0	0.0
134	6/24/2019 10:00:27	0.0	0.0
135	6/24/2019 10:01:27	0.0	0.0
136	6/24/2019 10:02:27	0.0	0.0
137	6/24/2019 10:03:27	0.0	0.0
138	6/24/2019 10:04:27	0.0	0.0
139	6/24/2019 10:05:27	0.0	0.0
140	6/24/2019 10:06:27	0.0	0.0
141	6/24/2019 10:07:27	0.0	0.0
142	6/24/2019 10:08:27	0.0	0.0

143	6/24/2019 10:09:27	0.0	0.0
144	6/24/2019 10:10:27	0.0	0.0
145	6/24/2019 10:11:27	0.0	0.0
146	6/24/2019 10:12:27	0.0	0.0
147	6/24/2019 10:13:27	0.0	0.0
148	6/24/2019 10:14:27	0.0	0.0
149	6/24/2019 10:15:27	0.0	0.0
150	6/24/2019 10:16:27	0.0	0.0
151	6/24/2019 10:17:27	0.0	0.0
152	6/24/2019 10:18:27	0.0	0.0
153	6/24/2019 10:19:27	0.0	0.0
154	6/24/2019 10:20:27	0.0	0.0
155	6/24/2019 10:21:27	0.0	0.0
156	6/24/2019 10:22:27	0.0	0.0
157	6/24/2019 10:23:27	0.0	0.0
158	6/24/2019 10:24:27	0.0	0.0
159	6/24/2019 10:25:27	0.0	0.0
160	6/24/2019 10:26:27	0.0	0.0
161	6/24/2019 10:27:27	0.0	0.0
162	6/24/2019 10:28:27	0.0	0.0
163	6/24/2019 10:29:27	0.0	0.0
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174	6/24/2019 10:40:27	0.0	0.0
175	6/24/2019 10:41:27	0.0	0.0
176	6/24/2019 10:42:27	0.0	0.0
177	6/24/2019 10:43:27	0.0	0.0
178	6/24/2019 10:44:27	0.0	0.0
179	6/24/2019 10:45:27	0.0	0.0
180	6/24/2019 10:46:27	0.0	0.0
181	6/24/2019 10:47:27	0.0	0.0
182	6/24/2019 10:48:27	0.0	0.0
183	6/24/2019 10:49:27	0.0	0.0
184	6/24/2019 10:50:27	0.0	0.0
185	6/24/2019 10:51:27	0.0	0.0
186	6/24/2019 10:52:27	0.0	0.0
187	6/24/2019 10:53:27	0.0	0.0
188	6/24/2019 10:54:27	0.0	0.0
189	6/24/2019 10:55:27	0.0	0.0
190	6/24/2019 10:56:27	0.0	0.0
191	6/24/2019 10:57:27	0.0	0.0
192	6/24/2019 10:58:27	0.0	0.0

193	6/24/2019 10:59:27	0.0	0.0
194	6/24/2019 11:00:27	0.0	0.0
195	6/24/2019 11:01:27	0.0	0.0
196	6/24/2019 11:02:27	0.0	0.0
197	6/24/2019 11:03:27	0.0	0.0
198	6/24/2019 11:04:27	0.0	0.0
199	6/24/2019 11:05:27	0.0	0.0
200	6/24/2019 11:06:27	0.0	0.0
201	6/24/2019 11:07:27	0.0	0.0
202	6/24/2019 11:08:27	0.0	0.0
203	6/24/2019 11:09:27	0.0	0.0
204	6/24/2019 11:10:27	0.0	0.0
205	6/24/2019 11:11:27	0.0	0.0
206	6/24/2019 11:12:27	0.0	0.0
207	6/24/2019 11:13:27	0.0	0.0
208	6/24/2019 11:14:27	0.0	0.0
209	6/24/2019 11:15:27	0.0	0.0
210	6/24/2019 11:16:27	0.0	0.0
211	6/24/2019 11:17:27	0.0	0.0
212	6/24/2019 11:18:27	0.0	0.0
213	6/24/2019 11:19:27	0.0	0.0
214	6/24/2019 11:20:27	0.0	0.0
215	6/24/2019 11:21:27	0.0	0.0
216	6/24/2019 11:22:27	0.0	0.0
217	6/24/2019 11:23:27	0.0	0.0
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221	6/24/2019 11:27:27	0.0	0.0
222	6/24/2019 11:28:27	0.0	0.0
223	6/24/2019 11:29:27	0.0	0.0
224	6/24/2019 11:30:27	0.0	0.0
225	6/24/2019 11:31:27	0.0	0.0
226	6/24/2019 11:32:27	0.0	0.0
227	6/24/2019 11:33:27	0.0	0.0
228	6/24/2019 11:34:27	0.0	0.0
229	6/24/2019 11:35:27	0.0	0.0
230	6/24/2019 11:36:27	0.0	0.0
231	6/24/2019 11:37:27	0.0	0.0
232	6/24/2019 11:38:27	0.0	0.0
233	6/24/2019 11:39:27	0.0	0.0
234	6/24/2019 11:40:27	0.0	0.0
235	6/24/2019 11:41:27	0.0	0.0
236	6/24/2019 11:42:27	0.0	0.0
237	6/24/2019 11:43:27	0.0	0.0
238	6/24/2019 11:44:27	0.0	0.0
239	6/24/2019 11:45:27	0.0	0.0
240	6/24/2019 11:46:27	0.0	0.0
241	6/24/2019 11:47:27	0.0	0.0
242	6/24/2019 11:48:27	0.0	0.0

243	6/24/2019 11:49:27	0.0	0.0
244	6/24/2019 11:50:27	0.0	0.0
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246	6/24/2019 11:52:27	0.0	0.0
247	6/24/2019 11:53:27	0.0	0.0
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249	6/24/2019 11:55:27	0.0	0.0
250	6/24/2019 11:56:27	0.0	0.0
251	6/24/2019 11:57:27	0.0	0.0
252	6/24/2019 11:58:27	0.0	0.0
253	6/24/2019 11:59:27	0.0	0.0
254	6/24/2019 12:00:27	0.0	0.0
255	6/24/2019 12:01:27	0.0	0.0
256	6/24/2019 12:02:27	0.0	0.0
257	6/24/2019 12:03:27	0.0	0.0
258	6/24/2019 12:04:27	0.0	0.0
259	6/24/2019 12:05:27	0.0	0.0
260	6/24/2019 12:06:27	0.0	0.0
261	6/24/2019 12:07:27	0.0	0.0
262	6/24/2019 12:08:27	0.0	0.0
263	6/24/2019 12:09:27	0.0	0.0
264	6/24/2019 12:10:27	0.0	0.0
265	6/24/2019 12:11:27	0.0	0.0
266	6/24/2019 12:12:27	0.0	0.0
267	6/24/2019 12:13:27	0.0	0.0
268	6/24/2019 12:14:27	0.0	0.0
269	6/24/2019 12:15:27	0.0	0.0
270	6/24/2019 12:16:27	0.0	0.0
271	6/24/2019 12:17:27	0.0	0.0
272	6/24/2019 12:18:27	0.0	0.0
273	6/24/2019 12:19:27	0.0	0.0
274	6/24/2019 12:20:27	0.0	0.0
275	6/24/2019 12:21:27	0.0	0.0
276	6/24/2019 12:22:27	0.0	0.0
277	6/24/2019 12:23:27	0.0	0.0
278	6/24/2019 12:24:27	0.0	0.0
279	6/24/2019 12:25:27	0.0	0.0
280	6/24/2019 12:26:27	0.0	0.0
281	6/24/2019 12:27:27	0.0	0.0
282	6/24/2019 12:28:27	0.0	0.0
283	6/24/2019 12:29:27	0.0	0.0
284	6/24/2019 12:30:27	0.0	0.0
285	6/24/2019 12:31:27	0.0	0.0
286	6/24/2019 12:32:27	0.0	0.0
287	6/24/2019 12:33:27	0.0	0.0
288	6/24/2019 12:34:27	0.0	0.0
289	6/24/2019 12:35:27	0.0	0.0
290	6/24/2019 12:36:27	0.0	0.0
291	6/24/2019 12:37:27	0.0	0.0
292	6/24/2019 12:38:27	0.0	0.0

293	6/24/2019 12:39:27	0.0	0.0
294	6/24/2019 12:40:27	0.0	0.0
295	6/24/2019 12:41:27	0.0	0.0
296	6/24/2019 12:42:27	0.0	0.0
297	6/24/2019 12:43:27	0.0	0.0
298	6/24/2019 12:44:27	0.0	0.0
299	6/24/2019 12:45:27	0.0	0.0
300	6/24/2019 12:46:27	0.0	0.0
301	6/24/2019 12:47:27	0.0	0.0
302	6/24/2019 12:48:27	0.0	0.0
303	6/24/2019 12:49:27	0.0	0.0
304	6/24/2019 12:50:27	0.0	0.0
305	6/24/2019 12:51:27	0.0	0.0
306	6/24/2019 12:52:27	0.0	0.0
307	6/24/2019 12:53:27	0.0	0.0
308	6/24/2019 12:54:27	0.0	0.0
309	6/24/2019 12:55:27	0.0	0.0
310	6/24/2019 12:56:27	0.0	0.0
311	6/24/2019 12:57:27	0.0	0.0
312	6/24/2019 12:58:27	0.0	0.0
313	6/24/2019 12:59:27	0.0	0.0
314	6/24/2019 13:00:27	0.0	0.0
315	6/24/2019 13:01:27	0.0	0.0
316	6/24/2019 13:02:27	0.0	0.0
317	6/24/2019 13:03:27	0.0	0.0
318	6/24/2019 13:04:27	0.0	0.0
319	6/24/2019 13:05:27	0.0	0.0
320	6/24/2019 13:06:27	0.0	0.0
321	6/24/2019 13:07:27	0.0	0.0
322	6/24/2019 13:08:27	0.0	0.0
323	6/24/2019 13:09:27	0.0	0.0
324	6/24/2019 13:10:27	0.0	0.0
325	6/24/2019 13:11:27	0.0	0.0
326	6/24/2019 13:12:27	0.0	0.0
327	6/24/2019 13:13:27	0.0	0.0
328	6/24/2019 13:14:27	0.0	0.0
329	6/24/2019 13:15:27	0.0	0.0
330	6/24/2019 13:16:27	0.0	0.0
331	6/24/2019 13:17:27	0.0	0.0
332	6/24/2019 13:18:27	0.0	0.0
333	6/24/2019 13:19:27	0.0	0.0
334	6/24/2019 13:20:27	0.0	0.0
335	6/24/2019 13:21:27	0.0	0.0
336	6/24/2019 13:22:27	0.0	0.0
337	6/24/2019 13:23:27	0.0	0.0
338	6/24/2019 13:24:27	0.0	0.0
339	6/24/2019 13:25:27	0.0	0.0
340	6/24/2019 13:26:27	0.0	0.0
341	6/24/2019 13:27:27	0.0	0.0
342	6/24/2019 13:28:27	0.0	0.0

343	6/24/2019 13:29:27	0.0	0.0
344	6/24/2019 13:30:27	0.0	0.0
345	6/24/2019 13:31:27	0.0	0.0
346	6/24/2019 13:32:27	0.0	0.0
347	6/24/2019 13:33:27	0.0	0.0
348	6/24/2019 13:34:27	0.0	0.0
349	6/24/2019 13:35:27	0.0	0.0
350	6/24/2019 13:36:27	0.0	0.0
351	6/24/2019 13:37:27	0.0	0.0
352	6/24/2019 13:38:27	0.0	0.0
353	6/24/2019 13:39:27	0.0	0.0
354	6/24/2019 13:40:27	0.0	0.0
355	6/24/2019 13:41:27	0.0	0.0
356	6/24/2019 13:42:27	0.0	0.0
357	6/24/2019 13:43:27	0.0	0.0
358	6/24/2019 13:44:27	0.0	0.0

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19/06/25 08:35

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-922384
Unit Firmware Ver	V2.20

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

Site ID	RAE00000
User ID	USER0000

Begin	6/25/2019 08:35:56
End	6/25/2019 14:42:29
Sample Period(s)	60
Number of Records	366

Sensor	PID(ppm)
Sensor SN	S023030211V7
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	6/25/2019 08:32

Peak 0.6
Min 0.1
Average 0.3

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/25/2019	08:36:56	0.1	0.1	0.1	0.1
002	6/25/2019	08:37:56	0.1	0.1	0.2	0.2
003	6/25/2019	08:38:56	0.2	0.2	0.2	0.2
004	6/25/2019	08:39:56	0.2	0.2	0.2	0.2
005	6/25/2019	08:40:56	0.2	0.2	0.2	0.2
006	6/25/2019	08:41:56	0.2	0.3	0.3	0.3
007	6/25/2019	08:42:56	0.2	0.3	0.3	0.3
008	6/25/2019	08:43:56	0.3	0.3	0.3	0.3
009	6/25/2019	08:44:56	0.3	0.3	0.3	0.3
010	6/25/2019	08:45:56	0.3	0.3	0.3	0.3
011	6/25/2019	08:46:56	0.3	0.3	0.3	0.3
012	6/25/2019	08:47:56	0.3	0.3	0.3	0.3
013	6/25/2019	08:48:56	0.3	0.3	0.3	0.3
014	6/25/2019	08:49:56	0.3	0.3	0.3	0.3
015	6/25/2019	08:50:56	0.3	0.3	0.3	0.3
016	6/25/2019	08:51:56	0.3	0.3	0.3	0.3
017	6/25/2019	08:52:56	0.3	0.3	0.3	0.3
018	6/25/2019	08:53:56	0.3	0.3	0.3	0.3
019	6/25/2019	08:54:56	0.3	0.3	0.3	0.3
020	6/25/2019	08:55:56	0.3	0.3	0.3	0.3
021	6/25/2019	08:56:56	0.3	0.3	0.3	0.3
022	6/25/2019	08:57:56	0.3	0.3	0.3	0.3
023	6/25/2019	08:58:56	0.3	0.3	0.3	0.3
024	6/25/2019	08:59:56	0.3	0.3	0.3	0.3
025	6/25/2019	09:00:56	0.3	0.3	0.3	0.3
026	6/25/2019	09:01:56	0.3	0.3	0.3	0.3
027	6/25/2019	09:02:56	0.3	0.3	0.3	0.3
028	6/25/2019	09:03:56	0.3	0.3	0.3	0.3
029	6/25/2019	09:04:56	0.3	0.3	0.3	0.3
030	6/25/2019	09:05:56	0.3	0.3	0.3	0.3
031	6/25/2019	09:06:56	0.3	0.3	0.3	0.3
032	6/25/2019	09:07:56	0.3	0.3	0.3	0.3
033	6/25/2019	09:08:56	0.3	0.3	0.3	0.3
034	6/25/2019	09:09:56	0.3	0.3	0.3	0.3
035	6/25/2019	09:10:56	0.3	0.3	0.3	0.3
036	6/25/2019	09:11:56	0.3	0.3	0.3	0.3
037	6/25/2019	09:12:56	0.3	0.3	0.3	0.3
038	6/25/2019	09:13:56	0.3	0.3	0.3	0.3
039	6/25/2019	09:14:56	0.3	0.3	0.3	0.3
040	6/25/2019	09:15:56	0.3	0.3	0.3	0.3
041	6/25/2019	09:16:56	0.3	0.3	0.3	0.3
042	6/25/2019	09:17:56	0.3	0.3	0.3	0.3

043	6/25/2019	09:18:56	0.3	0.3	0.3	0.3
044	6/25/2019	09:19:56	0.2	0.3	0.3	0.3
045	6/25/2019	09:20:56	0.2	0.3	0.3	0.3
046	6/25/2019	09:21:56	0.2	0.3	0.3	0.3
047	6/25/2019	09:22:56	0.2	0.3	0.3	0.2
048	6/25/2019	09:23:56	0.2	0.3	0.3	0.3
049	6/25/2019	09:24:56	0.2	0.3	0.3	0.2
050	6/25/2019	09:25:56	0.2	0.2	0.3	0.2
051	6/25/2019	09:26:56	0.2	0.2	0.3	0.3
052	6/25/2019	09:27:56	0.2	0.2	0.3	0.2
053	6/25/2019	09:28:56	0.2	0.2	0.3	0.2
054	6/25/2019	09:29:56	0.2	0.2	0.3	0.3
055	6/25/2019	09:30:56	0.2	0.2	0.3	0.2
056	6/25/2019	09:31:56	0.2	0.2	0.2	0.2
057	6/25/2019	09:32:56	0.2	0.2	0.2	0.2
058	6/25/2019	09:33:56	0.2	0.2	0.2	0.2
059	6/25/2019	09:34:56	0.2	0.2	0.2	0.2
060	6/25/2019	09:35:56	0.2	0.2	0.2	0.2
061	6/25/2019	09:36:56	0.2	0.2	0.2	0.2
062	6/25/2019	09:37:56	0.2	0.2	0.2	0.2
063	6/25/2019	09:38:56	0.2	0.2	0.2	0.2
064	6/25/2019	09:39:56	0.2	0.2	0.2	0.2
065	6/25/2019	09:40:56	0.2	0.2	0.2	0.2
066	6/25/2019	09:41:56	0.2	0.2	0.2	0.2
067	6/25/2019	09:42:56	0.2	0.2	0.2	0.2
068	6/25/2019	09:43:56	0.2	0.2	0.2	0.2
069	6/25/2019	09:44:56	0.2	0.2	0.2	0.2
070	6/25/2019	09:45:56	0.2	0.2	0.2	0.2
071	6/25/2019	09:46:56	0.2	0.2	0.2	0.2
072	6/25/2019	09:47:56	0.2	0.2	0.2	0.2
073	6/25/2019	09:48:56	0.2	0.2	0.2	0.2
074	6/25/2019	09:49:56	0.2	0.2	0.2	0.2
075	6/25/2019	09:50:56	0.2	0.2	0.2	0.2
076	6/25/2019	09:51:56	0.2	0.2	0.2	0.2
077	6/25/2019	09:52:56	0.2	0.2	0.2	0.2
078	6/25/2019	09:53:56	0.2	0.2	0.2	0.2
079	6/25/2019	09:54:56	0.2	0.2	0.2	0.2
080	6/25/2019	09:55:56	0.2	0.2	0.2	0.2
081	6/25/2019	09:56:56	0.2	0.2	0.2	0.2
082	6/25/2019	09:57:56	0.2	0.2	0.2	0.2
083	6/25/2019	09:58:56	0.2	0.2	0.2	0.2
084	6/25/2019	09:59:56	0.2	0.2	0.2	0.2
085	6/25/2019	10:00:56	0.2	0.2	0.2	0.2
086	6/25/2019	10:01:56	0.2	0.2	0.2	0.2
087	6/25/2019	10:02:56	0.2	0.2	0.2	0.2
088	6/25/2019	10:03:56	0.2	0.2	0.2	0.2
089	6/25/2019	10:04:56	0.2	0.2	0.2	0.2
090	6/25/2019	10:05:56	0.2	0.2	0.3	0.2
091	6/25/2019	10:06:56	0.2	0.2	0.2	0.2
092	6/25/2019	10:07:56	0.2	0.2	0.2	0.2

093	6/25/2019	10:08:56	0.2	0.2	0.2	0.2
094	6/25/2019	10:09:56	0.2	0.2	0.2	0.2
095	6/25/2019	10:10:56	0.2	0.2	0.2	0.2
096	6/25/2019	10:11:56	0.2	0.2	0.2	0.2
097	6/25/2019	10:12:56	0.2	0.2	0.2	0.2
098	6/25/2019	10:13:56	0.2	0.2	0.2	0.2
099	6/25/2019	10:14:56	0.2	0.2	0.2	0.2
100	6/25/2019	10:15:56	0.2	0.2	0.2	0.2
101	6/25/2019	10:16:56	0.2	0.2	0.2	0.2
102	6/25/2019	10:17:56	0.2	0.2	0.2	0.2
103	6/25/2019	10:18:56	0.2	0.2	0.2	0.2
104	6/25/2019	10:19:56	0.2	0.2	0.2	0.2
105	6/25/2019	10:20:56	0.2	0.2	0.2	0.2
106	6/25/2019	10:21:56	0.2	0.2	0.2	0.2
107	6/25/2019	10:22:56	0.2	0.2	0.2	0.2
108	6/25/2019	10:23:56	0.2	0.2	0.2	0.2
109	6/25/2019	10:24:56	0.2	0.2	0.2	0.2
110	6/25/2019	10:25:56	0.2	0.2	0.2	0.2
111	6/25/2019	10:26:56	0.2	0.2	0.2	0.2
112	6/25/2019	10:27:56	0.2	0.2	0.2	0.2
113	6/25/2019	10:28:56	0.2	0.2	0.2	0.2
114	6/25/2019	10:29:56	0.2	0.2	0.2	0.2
115	6/25/2019	10:30:56	0.2	0.2	0.2	0.2
116	6/25/2019	10:31:56	0.2	0.2	0.2	0.2
117	6/25/2019	10:32:56	0.2	0.2	0.2	0.2
118	6/25/2019	10:33:56	0.2	0.2	0.2	0.2
119	6/25/2019	10:34:56	0.2	0.2	0.2	0.2
120	6/25/2019	10:35:56	0.2	0.2	0.2	0.2
121	6/25/2019	10:36:56	0.2	0.2	0.2	0.2
122	6/25/2019	10:37:56	0.2	0.2	0.2	0.2
123	6/25/2019	10:38:56	0.2	0.2	0.2	0.2
124	6/25/2019	10:39:56	0.2	0.2	0.2	0.2
125	6/25/2019	10:40:56	0.2	0.2	0.2	0.2
126	6/25/2019	10:41:56	0.2	0.2	0.2	0.2
127	6/25/2019	10:42:56	0.2	0.2	0.2	0.2
128	6/25/2019	10:43:56	0.2	0.2	0.2	0.2
129	6/25/2019	10:44:56	0.2	0.2	0.2	0.2
130	6/25/2019	10:45:56	0.2	0.2	0.2	0.2
131	6/25/2019	10:46:56	0.2	0.2	0.2	0.2
132	6/25/2019	10:47:56	0.2	0.2	0.3	0.3
133	6/25/2019	10:48:56	0.2	0.2	0.2	0.2
134	6/25/2019	10:49:56	0.2	0.2	0.2	0.2
135	6/25/2019	10:50:56	0.2	0.2	0.2	0.2
136	6/25/2019	10:51:56	0.2	0.2	0.2	0.2
137	6/25/2019	10:52:56	0.2	0.2	0.2	0.2
138	6/25/2019	10:53:56	0.2	0.2	0.2	0.2
139	6/25/2019	10:54:56	0.2	0.2	0.2	0.2
140	6/25/2019	10:55:56	0.2	0.2	0.2	0.2
141	6/25/2019	10:56:56	0.2	0.2	0.2	0.2
142	6/25/2019	10:57:56	0.2	0.2	0.2	0.2

143	6/25/2019	10:58:56	0.2	0.2	0.2	0.2
144	6/25/2019	10:59:56	0.2	0.2	0.2	0.2
145	6/25/2019	11:00:56	0.2	0.2	0.2	0.2
146	6/25/2019	11:01:56	0.2	0.2	0.2	0.2
147	6/25/2019	11:02:56	0.2	0.2	0.2	0.2
148	6/25/2019	11:03:56	0.2	0.2	0.2	0.2
149	6/25/2019	11:04:56	0.2	0.2	0.2	0.2
150	6/25/2019	11:05:56	0.2	0.2	0.2	0.2
151	6/25/2019	11:06:56	0.2	0.2	0.3	0.2
152	6/25/2019	11:07:56	0.2	0.2	0.2	0.2
153	6/25/2019	11:08:56	0.2	0.2	0.3	0.2
154	6/25/2019	11:09:56	0.2	0.2	0.2	0.2
155	6/25/2019	11:10:56	0.2	0.2	0.3	0.2
156	6/25/2019	11:11:56	0.2	0.2	0.3	0.2
157	6/25/2019	11:12:56	0.2	0.2	0.3	0.3
158	6/25/2019	11:13:56	0.2	0.2	0.3	0.3
159	6/25/2019	11:14:56	0.2	0.2	0.3	0.3
160	6/25/2019	11:15:56	0.2	0.3	0.3	0.3
161	6/25/2019	11:16:56	0.2	0.3	0.3	0.2
162	6/25/2019	11:17:56	0.2	0.2	0.3	0.2
163	6/25/2019	11:18:56	0.2	0.2	0.2	0.2
164	6/25/2019	11:19:56	0.2	0.2	0.3	0.2
165	6/25/2019	11:20:56	0.2	0.2	0.2	0.2
166	6/25/2019	11:21:56	0.2	0.2	0.3	0.2
167	6/25/2019	11:22:56	0.2	0.2	0.2	0.2
168	6/25/2019	11:23:56	0.2	0.2	0.2	0.2
169	6/25/2019	11:24:56	0.2	0.2	0.2	0.2
170	6/25/2019	11:25:56	0.2	0.2	0.2	0.2
171	6/25/2019	11:26:56	0.2	0.2	0.2	0.2
172	6/25/2019	11:27:56	0.2	0.2	0.3	0.2
173	6/25/2019	11:28:56	0.2	0.3	0.3	0.3
174	6/25/2019	11:29:56	0.2	0.2	0.3	0.2
175	6/25/2019	11:30:56	0.2	0.2	0.3	0.2
176	6/25/2019	11:31:56	0.2	0.2	0.2	0.2
177	6/25/2019	11:32:56	0.2	0.2	0.3	0.2
178	6/25/2019	11:33:56	0.2	0.3	0.3	0.3
179	6/25/2019	11:34:56	0.2	0.3	0.3	0.2
180	6/25/2019	11:35:56	0.2	0.3	0.3	0.2
181	6/25/2019	11:36:56	0.2	0.3	0.3	0.3
182	6/25/2019	11:37:56	0.2	0.3	0.3	0.2
183	6/25/2019	11:38:56	0.3	0.3	0.3	0.3
184	6/25/2019	11:39:56	0.3	0.3	0.3	0.3
185	6/25/2019	11:40:56	0.3	0.3	0.3	0.3
186	6/25/2019	11:41:56	0.2	0.3	0.3	0.2
187	6/25/2019	11:42:56	0.3	0.3	0.3	0.3
188	6/25/2019	11:43:56	0.3	0.3	0.3	0.3
189	6/25/2019	11:44:56	0.3	0.3	0.3	0.3
190	6/25/2019	11:45:56	0.3	0.3	0.3	0.3
191	6/25/2019	11:46:56	0.3	0.3	0.3	0.3
192	6/25/2019	11:47:56	0.3	0.3	0.3	0.3

193	6/25/2019	11:48:56	0.3	0.3	0.3	0.3
194	6/25/2019	11:49:56	0.3	0.3	0.3	0.3
195	6/25/2019	11:50:56	0.3	0.3	0.3	0.3
196	6/25/2019	11:51:56	0.3	0.3	0.3	0.3
197	6/25/2019	11:52:56	0.3	0.3	0.3	0.3
198	6/25/2019	11:53:56	0.3	0.3	0.3	0.3
199	6/25/2019	11:54:56	0.3	0.3	0.3	0.3
200	6/25/2019	11:55:56	0.3	0.3	0.3	0.3
201	6/25/2019	11:56:56	0.3	0.3	0.3	0.3
202	6/25/2019	11:57:56	0.3	0.3	0.3	0.3
203	6/25/2019	11:58:56	0.3	0.3	0.3	0.3
204	6/25/2019	11:59:56	0.3	0.3	0.3	0.3
205	6/25/2019	12:00:56	0.3	0.3	0.3	0.3
206	6/25/2019	12:01:56	0.3	0.3	0.3	0.3
207	6/25/2019	12:02:56	0.3	0.3	0.3	0.3
208	6/25/2019	12:03:56	0.3	0.3	0.3	0.3
209	6/25/2019	12:04:56	0.3	0.3	0.3	0.3
210	6/25/2019	12:05:56	0.3	0.3	0.3	0.3
211	6/25/2019	12:06:56	0.3	0.3	0.3	0.3
212	6/25/2019	12:07:56	0.3	0.3	0.3	0.3
213	6/25/2019	12:08:56	0.3	0.3	0.3	0.3
214	6/25/2019	12:09:56	0.3	0.3	0.3	0.3
215	6/25/2019	12:10:56	0.3	0.3	0.3	0.3
216	6/25/2019	12:11:56	0.3	0.3	0.3	0.3
217	6/25/2019	12:12:56	0.3	0.3	0.3	0.3
218	6/25/2019	12:13:56	0.3	0.3	0.3	0.3
219	6/25/2019	12:14:56	0.3	0.3	0.3	0.3
220	6/25/2019	12:15:56	0.3	0.3	0.4	0.3
221	6/25/2019	12:16:56	0.3	0.3	0.3	0.3
222	6/25/2019	12:17:56	0.3	0.3	0.3	0.3
223	6/25/2019	12:18:56	0.3	0.3	0.3	0.3
224	6/25/2019	12:19:56	0.3	0.3	0.3	0.3
225	6/25/2019	12:20:56	0.3	0.3	0.3	0.3
226	6/25/2019	12:21:56	0.3	0.3	0.3	0.3
227	6/25/2019	12:22:56	0.3	0.3	0.3	0.3
228	6/25/2019	12:23:56	0.3	0.3	0.3	0.3
229	6/25/2019	12:24:56	0.3	0.3	0.3	0.3
230	6/25/2019	12:25:56	0.3	0.3	0.3	0.3
231	6/25/2019	12:26:56	0.3	0.3	0.3	0.3
232	6/25/2019	12:27:56	0.3	0.3	0.3	0.3
233	6/25/2019	12:28:56	0.3	0.3	0.3	0.3
234	6/25/2019	12:29:56	0.3	0.3	0.3	0.3
235	6/25/2019	12:30:56	0.3	0.3	0.3	0.3
236	6/25/2019	12:31:56	0.3	0.3	0.3	0.3
237	6/25/2019	12:32:56	0.3	0.3	0.3	0.3
238	6/25/2019	12:33:56	0.3	0.3	0.3	0.3
239	6/25/2019	12:34:56	0.3	0.3	0.3	0.3
240	6/25/2019	12:35:56	0.3	0.3	0.3	0.3
241	6/25/2019	12:36:56	0.3	0.3	0.3	0.3
242	6/25/2019	12:37:56	0.3	0.3	0.3	0.3

243	6/25/2019 12:38:56	0.3	0.3	0.3	0.3
244	6/25/2019 12:39:56	0.3	0.3	0.3	0.3
245	6/25/2019 12:40:56	0.3	0.3	0.3	0.3
246	6/25/2019 12:41:56	0.3	0.3	0.3	0.3
247	6/25/2019 12:42:56	0.3	0.3	0.3	0.3
248	6/25/2019 12:43:56	0.3	0.3	0.3	0.3
249	6/25/2019 12:44:56	0.3	0.3	0.3	0.3
250	6/25/2019 12:45:56	0.3	0.3	0.3	0.3
251	6/25/2019 12:46:56	0.3	0.3	0.4	0.3
252	6/25/2019 12:47:56	0.3	0.3	0.3	0.3
253	6/25/2019 12:48:56	0.3	0.3	0.3	0.3
254	6/25/2019 12:49:56	0.3	0.3	0.3	0.3
255	6/25/2019 12:50:56	0.3	0.3	0.3	0.3
256	6/25/2019 12:51:56	0.3	0.3	0.3	0.3
257	6/25/2019 12:52:56	0.3	0.3	0.3	0.3
258	6/25/2019 12:53:56	0.3	0.3	0.3	0.3
259	6/25/2019 12:54:56	0.3	0.3	0.3	0.3
260	6/25/2019 12:55:56	0.3	0.3	0.3	0.3
261	6/25/2019 12:56:56	0.3	0.3	0.3	0.3
262	6/25/2019 12:57:56	0.3	0.3	0.3	0.3
263	6/25/2019 12:58:56	0.3	0.3	0.3	0.3
264	6/25/2019 12:59:56	0.3	0.3	0.3	0.3
265	6/25/2019 13:00:56	0.3	0.3	0.3	0.3
266	6/25/2019 13:01:56	0.3	0.3	0.3	0.3
267	6/25/2019 13:02:56	0.3	0.3	0.3	0.3
268	6/25/2019 13:03:56	0.3	0.3	0.3	0.3
269	6/25/2019 13:04:56	0.3	0.3	0.3	0.3
270	6/25/2019 13:05:56	0.3	0.3	0.3	0.3
271	6/25/2019 13:06:56	0.3	0.3	0.4	0.3
272	6/25/2019 13:07:56	0.3	0.3	0.4	0.3
273	6/25/2019 13:08:56	0.3	0.3	0.3	0.3
274	6/25/2019 13:09:56	0.3	0.3	0.3	0.3
275	6/25/2019 13:10:56	0.3	0.3	0.3	0.3
276	6/25/2019 13:11:56	0.3	0.3	0.3	0.3
277	6/25/2019 13:12:56	0.3	0.3	0.3	0.3
278	6/25/2019 13:13:56	0.3	0.3	0.3	0.3
279	6/25/2019 13:14:56	0.3	0.3	0.3	0.3
280	6/25/2019 13:15:56	0.3	0.3	0.3	0.3
281	6/25/2019 13:16:56	0.3	0.3	0.3	0.3
282	6/25/2019 13:17:56	0.3	0.3	0.3	0.3
283	6/25/2019 13:18:56	0.3	0.3	0.3	0.3
284	6/25/2019 13:19:56	0.3	0.3	0.3	0.3
285	6/25/2019 13:20:56	0.3	0.3	0.3	0.3
286	6/25/2019 13:21:56	0.3	0.3	0.3	0.3
287	6/25/2019 13:22:56	0.3	0.3	0.3	0.3
288	6/25/2019 13:23:56	0.3	0.3	0.3	0.3
289	6/25/2019 13:24:56	0.3	0.3	0.3	0.3
290	6/25/2019 13:25:56	0.3	0.3	0.3	0.3
291	6/25/2019 13:26:56	0.3	0.3	0.3	0.3
292	6/25/2019 13:27:56	0.3	0.3	0.3	0.3

293	6/25/2019	13:28:56	0.3	0.3	0.4	0.3
294	6/25/2019	13:29:56	0.3	0.3	0.3	0.3
295	6/25/2019	13:30:56	0.3	0.3	0.3	0.3
296	6/25/2019	13:31:56	0.3	0.3	0.4	0.3
297	6/25/2019	13:32:56	0.3	0.3	0.3	0.3
298	6/25/2019	13:33:56	0.3	0.3	0.3	0.3
299	6/25/2019	13:34:56	0.3	0.3	0.3	0.3
300	6/25/2019	13:35:56	0.3	0.3	0.4	0.3
301	6/25/2019	13:36:56	0.3	0.3	0.4	0.3
302	6/25/2019	13:37:56	0.3	0.4	0.4	0.4
303	6/25/2019	13:38:56	0.3	0.4	0.4	0.3
304	6/25/2019	13:39:56	0.3	0.3	0.4	0.4
305	6/25/2019	13:40:56	0.3	0.4	0.4	0.3
306	6/25/2019	13:41:56	0.3	0.4	0.4	0.4
307	6/25/2019	13:42:56	0.3	0.4	0.4	0.4
308	6/25/2019	13:43:56	0.4	0.4	0.4	0.4
309	6/25/2019	13:44:56	0.3	0.4	0.4	0.3
310	6/25/2019	13:45:56	0.3	0.3	0.4	0.3
311	6/25/2019	13:46:56	0.3	0.3	0.4	0.4
312	6/25/2019	13:47:56	0.3	0.4	0.6	0.6
313	6/25/2019	13:48:56	0.4	0.5	0.7	0.5
314	6/25/2019	13:49:56	0.5	0.6	0.8	0.6
315	6/25/2019	13:50:56	0.5	0.6	0.7	0.5
316	6/25/2019	13:51:56	0.4	0.5	0.5	0.5
317	6/25/2019	13:52:56	0.4	0.4	0.5	0.4
318	6/25/2019	13:53:56	0.4	0.4	0.4	0.4
319	6/25/2019	13:54:56	0.4	0.4	0.4	0.4
320	6/25/2019	13:55:56	0.4	0.4	0.4	0.4
321	6/25/2019	13:56:56	0.4	0.4	0.4	0.4
322	6/25/2019	13:57:56	0.4	0.4	0.4	0.4
323	6/25/2019	13:58:56	0.3	0.4	0.4	0.4
324	6/25/2019	13:59:56	0.3	0.4	0.4	0.4
325	6/25/2019	14:00:56	0.3	0.3	0.4	0.3
326	6/25/2019	14:01:56	0.3	0.4	0.4	0.4
327	6/25/2019	14:02:56	0.3	0.4	0.5	0.4
328	6/25/2019	14:03:56	0.3	0.3	0.4	0.3
329	6/25/2019	14:04:56	0.3	0.3	0.3	0.3
330	6/25/2019	14:05:56	0.3	0.3	0.3	0.3
331	6/25/2019	14:06:56	0.3	0.4	0.4	0.3
332	6/25/2019	14:07:56	0.3	0.3	0.3	0.3
333	6/25/2019	14:08:56	0.3	0.3	0.3	0.3
334	6/25/2019	14:09:56	0.3	0.3	0.3	0.3
335	6/25/2019	14:10:56	0.3	0.3	0.3	0.3
336	6/25/2019	14:11:56	0.3	0.3	0.4	0.3
337	6/25/2019	14:12:56	0.3	0.3	0.3	0.3
338	6/25/2019	14:13:56	0.3	0.3	0.3	0.3
339	6/25/2019	14:14:56	0.3	0.3	0.3	0.3
340	6/25/2019	14:15:56	0.3	0.3	0.3	0.3
341	6/25/2019	14:16:56	0.3	0.3	0.3	0.3
342	6/25/2019	14:17:56	0.3	0.3	0.3	0.3

343	6/25/2019 14:18:56	0.3	0.3	0.3	0.3
344	6/25/2019 14:19:56	0.3	0.3	0.3	0.3
345	6/25/2019 14:20:56	0.3	0.3	0.3	0.3
346	6/25/2019 14:21:56	0.3	0.3	0.3	0.3
347	6/25/2019 14:22:56	0.3	0.3	0.3	0.3
348	6/25/2019 14:23:56	0.3	0.3	0.3	0.3
349	6/25/2019 14:24:56	0.3	0.3	0.3	0.3
350	6/25/2019 14:25:56	0.3	0.3	0.3	0.3
351	6/25/2019 14:26:56	0.3	0.3	0.3	0.3
352	6/25/2019 14:27:56	0.3	0.3	0.3	0.3
353	6/25/2019 14:28:56	0.3	0.3	0.3	0.3
354	6/25/2019 14:29:56	0.3	0.3	0.3	0.3
355	6/25/2019 14:30:56	0.3	0.3	0.3	0.3
356	6/25/2019 14:31:56	0.3	0.3	0.3	0.3
357	6/25/2019 14:32:56	0.3	0.3	0.3	0.3
358	6/25/2019 14:33:56	0.3	0.3	0.3	0.3
359	6/25/2019 14:34:56	0.3	0.3	0.3	0.3
360	6/25/2019 14:35:56	0.3	0.3	0.3	0.3
361	6/25/2019 14:36:56	0.3	0.3	0.3	0.3
362	6/25/2019 14:37:56	0.3	0.3	0.3	0.3
363	6/25/2019 14:38:56	0.3	0.3	0.3	0.3
364	6/25/2019 14:39:56	0.3	0.3	0.3	0.3
365	6/25/2019 14:40:56	0.3	0.3	0.3	0.3
366	6/25/2019 14:41:56	0.3	0.3	0.3	0.3
Peak		0.5	0.6	0.8	0.6
Min		0.1	0.1	0.1	0.1
Average		0.3	0.3	0.3	0.3

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/25/2019 08:36:56	0.0	---
002	6/25/2019 08:37:56	0.0	---
003	6/25/2019 08:38:56	0.0	---
004	6/25/2019 08:39:56	0.0	---
005	6/25/2019 08:40:56	0.0	---
006	6/25/2019 08:41:56	0.0	---
007	6/25/2019 08:42:56	0.0	---
008	6/25/2019 08:43:56	0.0	---
009	6/25/2019 08:44:56	0.0	---
010	6/25/2019 08:45:56	0.0	---
011	6/25/2019 08:46:56	0.0	---
012	6/25/2019 08:47:56	0.0	---
013	6/25/2019 08:48:56	0.0	---
014	6/25/2019 08:49:56	0.0	---
015	6/25/2019 08:50:56	0.0	0.3
016	6/25/2019 08:51:56	0.0	0.3
017	6/25/2019 08:52:56	0.0	0.3
018	6/25/2019 08:53:56	0.0	0.3

019	6/25/2019 08:54:56	0.0	0.3
020	6/25/2019 08:55:56	0.0	0.3
021	6/25/2019 08:56:56	0.0	0.3
022	6/25/2019 08:57:56	0.0	0.3
023	6/25/2019 08:58:56	0.0	0.3
024	6/25/2019 08:59:56	0.0	0.3
025	6/25/2019 09:00:56	0.0	0.3
026	6/25/2019 09:01:56	0.0	0.3
027	6/25/2019 09:02:56	0.0	0.3
028	6/25/2019 09:03:56	0.0	0.3
029	6/25/2019 09:04:56	0.0	0.3
030	6/25/2019 09:05:56	0.0	0.3
031	6/25/2019 09:06:56	0.0	0.3
032	6/25/2019 09:07:56	0.0	0.3
033	6/25/2019 09:08:56	0.0	0.3
034	6/25/2019 09:09:56	0.0	0.3
035	6/25/2019 09:10:56	0.0	0.3
036	6/25/2019 09:11:56	0.0	0.3
037	6/25/2019 09:12:56	0.0	0.3
038	6/25/2019 09:13:56	0.0	0.3
039	6/25/2019 09:14:56	0.0	0.3
040	6/25/2019 09:15:56	0.0	0.3
041	6/25/2019 09:16:56	0.0	0.3
042	6/25/2019 09:17:56	0.0	0.3
043	6/25/2019 09:18:56	0.0	0.3
044	6/25/2019 09:19:56	0.0	0.3
045	6/25/2019 09:20:56	0.0	0.3
046	6/25/2019 09:21:56	0.0	0.3
047	6/25/2019 09:22:56	0.0	0.3
048	6/25/2019 09:23:56	0.0	0.3
049	6/25/2019 09:24:56	0.0	0.3
050	6/25/2019 09:25:56	0.0	0.3
051	6/25/2019 09:26:56	0.0	0.3
052	6/25/2019 09:27:56	0.0	0.3
053	6/25/2019 09:28:56	0.0	0.3
054	6/25/2019 09:29:56	0.0	0.3
055	6/25/2019 09:30:56	0.0	0.3
056	6/25/2019 09:31:56	0.0	0.3
057	6/25/2019 09:32:56	0.0	0.3
058	6/25/2019 09:33:56	0.0	0.3
059	6/25/2019 09:34:56	0.0	0.3
060	6/25/2019 09:35:56	0.0	0.2
061	6/25/2019 09:36:56	0.0	0.2
062	6/25/2019 09:37:56	0.0	0.2
063	6/25/2019 09:38:56	0.0	0.2
064	6/25/2019 09:39:56	0.0	0.2
065	6/25/2019 09:40:56	0.0	0.2
066	6/25/2019 09:41:56	0.0	0.2
067	6/25/2019 09:42:56	0.0	0.2
068	6/25/2019 09:43:56	0.0	0.2

069	6/25/2019 09:44:56	0.0	0.2
070	6/25/2019 09:45:56	0.0	0.2
071	6/25/2019 09:46:56	0.0	0.2
072	6/25/2019 09:47:56	0.0	0.2
073	6/25/2019 09:48:56	0.0	0.2
074	6/25/2019 09:49:56	0.0	0.2
075	6/25/2019 09:50:56	0.0	0.2
076	6/25/2019 09:51:56	0.0	0.2
077	6/25/2019 09:52:56	0.0	0.2
078	6/25/2019 09:53:56	0.0	0.2
079	6/25/2019 09:54:56	0.0	0.2
080	6/25/2019 09:55:56	0.0	0.2
081	6/25/2019 09:56:56	0.0	0.2
082	6/25/2019 09:57:56	0.0	0.2
083	6/25/2019 09:58:56	0.0	0.2
084	6/25/2019 09:59:56	0.0	0.2
085	6/25/2019 10:00:56	0.0	0.2
086	6/25/2019 10:01:56	0.0	0.2
087	6/25/2019 10:02:56	0.0	0.2
088	6/25/2019 10:03:56	0.0	0.2
089	6/25/2019 10:04:56	0.0	0.2
090	6/25/2019 10:05:56	0.0	0.2
091	6/25/2019 10:06:56	0.0	0.2
092	6/25/2019 10:07:56	0.0	0.2
093	6/25/2019 10:08:56	0.0	0.2
094	6/25/2019 10:09:56	0.0	0.2
095	6/25/2019 10:10:56	0.0	0.2
096	6/25/2019 10:11:56	0.0	0.2
097	6/25/2019 10:12:56	0.0	0.2
098	6/25/2019 10:13:56	0.0	0.2
099	6/25/2019 10:14:56	0.1	0.2
100	6/25/2019 10:15:56	0.1	0.2
101	6/25/2019 10:16:56	0.1	0.2
102	6/25/2019 10:17:56	0.1	0.2
103	6/25/2019 10:18:56	0.1	0.2
104	6/25/2019 10:19:56	0.1	0.2
105	6/25/2019 10:20:56	0.1	0.2
106	6/25/2019 10:21:56	0.1	0.2
107	6/25/2019 10:22:56	0.1	0.2
108	6/25/2019 10:23:56	0.1	0.2
109	6/25/2019 10:24:56	0.1	0.2
110	6/25/2019 10:25:56	0.1	0.2
111	6/25/2019 10:26:56	0.1	0.2
112	6/25/2019 10:27:56	0.1	0.2
113	6/25/2019 10:28:56	0.1	0.2
114	6/25/2019 10:29:56	0.1	0.2
115	6/25/2019 10:30:56	0.1	0.2
116	6/25/2019 10:31:56	0.1	0.2
117	6/25/2019 10:32:56	0.1	0.2
118	6/25/2019 10:33:56	0.1	0.2

119	6/25/2019	10:34:56	0.1	0.2
120	6/25/2019	10:35:56	0.1	0.2
121	6/25/2019	10:36:56	0.1	0.2
122	6/25/2019	10:37:56	0.1	0.2
123	6/25/2019	10:38:56	0.1	0.2
124	6/25/2019	10:39:56	0.1	0.2
125	6/25/2019	10:40:56	0.1	0.2
126	6/25/2019	10:41:56	0.1	0.2
127	6/25/2019	10:42:56	0.1	0.2
128	6/25/2019	10:43:56	0.1	0.2
129	6/25/2019	10:44:56	0.1	0.2
130	6/25/2019	10:45:56	0.1	0.2
131	6/25/2019	10:46:56	0.1	0.2
132	6/25/2019	10:47:56	0.1	0.2
133	6/25/2019	10:48:56	0.1	0.2
134	6/25/2019	10:49:56	0.1	0.2
135	6/25/2019	10:50:56	0.1	0.2
136	6/25/2019	10:51:56	0.1	0.2
137	6/25/2019	10:52:56	0.1	0.2
138	6/25/2019	10:53:56	0.1	0.2
139	6/25/2019	10:54:56	0.1	0.2
140	6/25/2019	10:55:56	0.1	0.2
141	6/25/2019	10:56:56	0.1	0.2
142	6/25/2019	10:57:56	0.1	0.2
143	6/25/2019	10:58:56	0.1	0.2
144	6/25/2019	10:59:56	0.1	0.2
145	6/25/2019	11:00:56	0.1	0.2
146	6/25/2019	11:01:56	0.1	0.2
147	6/25/2019	11:02:56	0.1	0.2
148	6/25/2019	11:03:56	0.1	0.2
149	6/25/2019	11:04:56	0.1	0.2
150	6/25/2019	11:05:56	0.1	0.2
151	6/25/2019	11:06:56	0.1	0.2
152	6/25/2019	11:07:56	0.1	0.2
153	6/25/2019	11:08:56	0.1	0.2
154	6/25/2019	11:09:56	0.1	0.2
155	6/25/2019	11:10:56	0.1	0.2
156	6/25/2019	11:11:56	0.1	0.2
157	6/25/2019	11:12:56	0.1	0.2
158	6/25/2019	11:13:56	0.1	0.2
159	6/25/2019	11:14:56	0.1	0.2
160	6/25/2019	11:15:56	0.1	0.2
161	6/25/2019	11:16:56	0.1	0.2
162	6/25/2019	11:17:56	0.1	0.2
163	6/25/2019	11:18:56	0.1	0.2
164	6/25/2019	11:19:56	0.1	0.2
165	6/25/2019	11:20:56	0.1	0.2
166	6/25/2019	11:21:56	0.1	0.2
167	6/25/2019	11:22:56	0.1	0.2
168	6/25/2019	11:23:56	0.1	0.2

169	6/25/2019 11:24:56	0.1	0.2
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171	6/25/2019 11:26:56	0.1	0.2
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173	6/25/2019 11:28:56	0.1	0.2
174	6/25/2019 11:29:56	0.1	0.2
175	6/25/2019 11:30:56	0.1	0.2
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177	6/25/2019 11:32:56	0.1	0.2
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179	6/25/2019 11:34:56	0.1	0.2
180	6/25/2019 11:35:56	0.1	0.2
181	6/25/2019 11:36:56	0.1	0.2
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183	6/25/2019 11:38:56	0.1	0.2
184	6/25/2019 11:39:56	0.1	0.2
185	6/25/2019 11:40:56	0.1	0.3
186	6/25/2019 11:41:56	0.1	0.3
187	6/25/2019 11:42:56	0.1	0.3
188	6/25/2019 11:43:56	0.1	0.3
189	6/25/2019 11:44:56	0.1	0.3
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191	6/25/2019 11:46:56	0.1	0.3
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193	6/25/2019 11:48:56	0.1	0.3
194	6/25/2019 11:49:56	0.1	0.3
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199	6/25/2019 11:54:56	0.1	0.3
200	6/25/2019 11:55:56	0.1	0.3
201	6/25/2019 11:56:56	0.1	0.3
202	6/25/2019 11:57:56	0.1	0.3
203	6/25/2019 11:58:56	0.1	0.3
204	6/25/2019 11:59:56	0.1	0.3
205	6/25/2019 12:00:56	0.1	0.3
206	6/25/2019 12:01:56	0.1	0.3
207	6/25/2019 12:02:56	0.1	0.3
208	6/25/2019 12:03:56	0.1	0.3
209	6/25/2019 12:04:56	0.1	0.3
210	6/25/2019 12:05:56	0.1	0.3
211	6/25/2019 12:06:56	0.1	0.3
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213	6/25/2019 12:08:56	0.1	0.3
214	6/25/2019 12:09:56	0.1	0.3
215	6/25/2019 12:10:56	0.1	0.3
216	6/25/2019 12:11:56	0.1	0.3
217	6/25/2019 12:12:56	0.1	0.3
218	6/25/2019 12:13:56	0.1	0.3

219	6/25/2019 12:14:56	0.1	0.3
220	6/25/2019 12:15:56	0.1	0.3
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222	6/25/2019 12:17:56	0.1	0.3
223	6/25/2019 12:18:56	0.1	0.3
224	6/25/2019 12:19:56	0.1	0.3
225	6/25/2019 12:20:56	0.1	0.3
226	6/25/2019 12:21:56	0.1	0.3
227	6/25/2019 12:22:56	0.1	0.3
228	6/25/2019 12:23:56	0.1	0.3
229	6/25/2019 12:24:56	0.1	0.3
230	6/25/2019 12:25:56	0.1	0.3
231	6/25/2019 12:26:56	0.1	0.3
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233	6/25/2019 12:28:56	0.1	0.3
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235	6/25/2019 12:30:56	0.1	0.3
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237	6/25/2019 12:32:56	0.1	0.3
238	6/25/2019 12:33:56	0.1	0.3
239	6/25/2019 12:34:56	0.1	0.3
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241	6/25/2019 12:36:56	0.1	0.3
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243	6/25/2019 12:38:56	0.1	0.3
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245	6/25/2019 12:40:56	0.1	0.3
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249	6/25/2019 12:44:56	0.1	0.3
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252	6/25/2019 12:47:56	0.1	0.3
253	6/25/2019 12:48:56	0.1	0.3
254	6/25/2019 12:49:56	0.1	0.3
255	6/25/2019 12:50:56	0.1	0.3
256	6/25/2019 12:51:56	0.1	0.3
257	6/25/2019 12:52:56	0.1	0.3
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259	6/25/2019 12:54:56	0.1	0.3
260	6/25/2019 12:55:56	0.1	0.3
261	6/25/2019 12:56:56	0.1	0.3
262	6/25/2019 12:57:56	0.1	0.3
263	6/25/2019 12:58:56	0.1	0.3
264	6/25/2019 12:59:56	0.1	0.3
265	6/25/2019 13:00:56	0.1	0.3
266	6/25/2019 13:01:56	0.1	0.3
267	6/25/2019 13:02:56	0.1	0.3
268	6/25/2019 13:03:56	0.1	0.3

269	6/25/2019 13:04:56	0.1	0.3
270	6/25/2019 13:05:56	0.1	0.3
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272	6/25/2019 13:07:56	0.1	0.3
273	6/25/2019 13:08:56	0.1	0.3
274	6/25/2019 13:09:56	0.1	0.3
275	6/25/2019 13:10:56	0.1	0.3
276	6/25/2019 13:11:56	0.1	0.3
277	6/25/2019 13:12:56	0.1	0.3
278	6/25/2019 13:13:56	0.1	0.3
279	6/25/2019 13:14:56	0.1	0.3
280	6/25/2019 13:15:56	0.1	0.3
281	6/25/2019 13:16:56	0.1	0.3
282	6/25/2019 13:17:56	0.1	0.3
283	6/25/2019 13:18:56	0.1	0.3
284	6/25/2019 13:19:56	0.1	0.3
285	6/25/2019 13:20:56	0.2	0.3
286	6/25/2019 13:21:56	0.2	0.3
287	6/25/2019 13:22:56	0.2	0.3
288	6/25/2019 13:23:56	0.2	0.3
289	6/25/2019 13:24:56	0.2	0.3
290	6/25/2019 13:25:56	0.2	0.3
291	6/25/2019 13:26:56	0.2	0.3
292	6/25/2019 13:27:56	0.2	0.3
293	6/25/2019 13:28:56	0.2	0.3
294	6/25/2019 13:29:56	0.2	0.3
295	6/25/2019 13:30:56	0.2	0.3
296	6/25/2019 13:31:56	0.2	0.3
297	6/25/2019 13:32:56	0.2	0.3
298	6/25/2019 13:33:56	0.2	0.3
299	6/25/2019 13:34:56	0.2	0.3
300	6/25/2019 13:35:56	0.2	0.3
301	6/25/2019 13:36:56	0.2	0.3
302	6/25/2019 13:37:56	0.2	0.3
303	6/25/2019 13:38:56	0.2	0.3
304	6/25/2019 13:39:56	0.2	0.3
305	6/25/2019 13:40:56	0.2	0.3
306	6/25/2019 13:41:56	0.2	0.3
307	6/25/2019 13:42:56	0.2	0.3
308	6/25/2019 13:43:56	0.2	0.4
309	6/25/2019 13:44:56	0.2	0.4
310	6/25/2019 13:45:56	0.2	0.4
311	6/25/2019 13:46:56	0.2	0.4
312	6/25/2019 13:47:56	0.2	0.4
313	6/25/2019 13:48:56	0.2	0.4
314	6/25/2019 13:49:56	0.2	0.4
315	6/25/2019 13:50:56	0.2	0.4
316	6/25/2019 13:51:56	0.2	0.4
317	6/25/2019 13:52:56	0.2	0.4
318	6/25/2019 13:53:56	0.2	0.4

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320	6/25/2019 13:55:56	0.2	0.5
321	6/25/2019 13:56:56	0.2	0.5
322	6/25/2019 13:57:56	0.2	0.5
323	6/25/2019 13:58:56	0.2	0.5
324	6/25/2019 13:59:56	0.2	0.5
325	6/25/2019 14:00:56	0.2	0.5
326	6/25/2019 14:01:56	0.2	0.5
327	6/25/2019 14:02:56	0.2	0.5
328	6/25/2019 14:03:56	0.2	0.4
329	6/25/2019 14:04:56	0.2	0.4
330	6/25/2019 14:05:56	0.2	0.4
331	6/25/2019 14:06:56	0.2	0.4
332	6/25/2019 14:07:56	0.2	0.4
333	6/25/2019 14:08:56	0.2	0.4
334	6/25/2019 14:09:56	0.2	0.4
335	6/25/2019 14:10:56	0.2	0.4
336	6/25/2019 14:11:56	0.2	0.4
337	6/25/2019 14:12:56	0.2	0.4
338	6/25/2019 14:13:56	0.2	0.3
339	6/25/2019 14:14:56	0.2	0.3
340	6/25/2019 14:15:56	0.2	0.3
341	6/25/2019 14:16:56	0.2	0.3
342	6/25/2019 14:17:56	0.2	0.3
343	6/25/2019 14:18:56	0.2	0.3
344	6/25/2019 14:19:56	0.2	0.3
345	6/25/2019 14:20:56	0.2	0.3
346	6/25/2019 14:21:56	0.2	0.3
347	6/25/2019 14:22:56	0.2	0.3
348	6/25/2019 14:23:56	0.2	0.3
349	6/25/2019 14:24:56	0.2	0.3
350	6/25/2019 14:25:56	0.2	0.3
351	6/25/2019 14:26:56	0.2	0.3
352	6/25/2019 14:27:56	0.2	0.3
353	6/25/2019 14:28:56	0.2	0.3
354	6/25/2019 14:29:56	0.2	0.3
355	6/25/2019 14:30:56	0.2	0.3
356	6/25/2019 14:31:56	0.2	0.3
357	6/25/2019 14:32:56	0.2	0.3
358	6/25/2019 14:33:56	0.2	0.3
359	6/25/2019 14:34:56	0.2	0.3
360	6/25/2019 14:35:56	0.2	0.3
361	6/25/2019 14:36:56	0.2	0.3
362	6/25/2019 14:37:56	0.2	0.3
363	6/25/2019 14:38:56	0.2	0.3
364	6/25/2019 14:39:56	0.2	0.3
365	6/25/2019 14:40:56	0.2	0.3
366	6/25/2019 14:41:56	0.2	0.3

==========

19/06/26 08:21

****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-922384
Unit Firmware Ver V2.20

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

Site ID RAE00000
User ID USER0000

Begin 6/26/2019 08:21:16
End 6/26/2019 14:49:49
Sample Period(s) 60
Number of Records 388

Sensor PID(ppm)
Sensor SN S023030211V7
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 6/26/2019 07:54
Peak 0.4
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	6/26/2019 08:22:16	0.0	0.0	0.0	0.0	
002	6/26/2019 08:23:16	0.0	0.0	0.0	0.0	
003	6/26/2019 08:24:16	0.0	0.0	0.0	0.0	
004	6/26/2019 08:25:16	0.0	0.0	0.0	0.0	
005	6/26/2019 08:26:16	0.0	0.0	0.0	0.0	
006	6/26/2019 08:27:16	0.0	0.0	0.0	0.0	
007	6/26/2019 08:28:16	0.0	0.0	0.0	0.0	
008	6/26/2019 08:29:16	0.0	0.0	0.0	0.0	
009	6/26/2019 08:30:16	0.0	0.0	0.0	0.0	
010	6/26/2019 08:31:16	0.0	0.0	0.0	0.0	

011	6/26/2019	08:32:16	0.0	0.0	0.0	0.0
012	6/26/2019	08:33:16	0.0	0.0	0.0	0.0
013	6/26/2019	08:34:16	0.0	0.0	0.0	0.0
014	6/26/2019	08:35:16	0.0	0.0	0.0	0.0
015	6/26/2019	08:36:16	0.0	0.0	0.0	0.0
016	6/26/2019	08:37:16	0.0	0.0	0.0	0.0
017	6/26/2019	08:38:16	0.0	0.0	0.0	0.0
018	6/26/2019	08:39:16	0.0	0.0	0.0	0.0
019	6/26/2019	08:40:16	0.0	0.0	0.0	0.0
020	6/26/2019	08:41:16	0.0	0.0	0.0	0.0
021	6/26/2019	08:42:16	0.0	0.0	0.0	0.0
022	6/26/2019	08:43:16	0.0	0.0	0.0	0.0
023	6/26/2019	08:44:16	0.0	0.0	0.0	0.0
024	6/26/2019	08:45:16	0.0	0.0	0.0	0.0
025	6/26/2019	08:46:16	0.0	0.0	0.0	0.0
026	6/26/2019	08:47:16	0.0	0.0	0.0	0.0
027	6/26/2019	08:48:16	0.0	0.0	0.0	0.0
028	6/26/2019	08:49:16	0.0	0.0	0.0	0.0
029	6/26/2019	08:50:16	0.0	0.0	0.0	0.0
030	6/26/2019	08:51:16	0.0	0.0	0.0	0.0
031	6/26/2019	08:52:16	0.0	0.0	0.0	0.0
032	6/26/2019	08:53:16	0.0	0.0	0.0	0.0
033	6/26/2019	08:54:16	0.0	0.0	0.0	0.0
034	6/26/2019	08:55:16	0.0	0.0	0.0	0.0
035	6/26/2019	08:56:16	0.0	0.0	0.0	0.0
036	6/26/2019	08:57:16	0.0	0.0	0.0	0.0
037	6/26/2019	08:58:16	0.0	0.0	0.0	0.0
038	6/26/2019	08:59:16	0.0	0.0	0.0	0.0
039	6/26/2019	09:00:16	0.0	0.0	0.0	0.0
040	6/26/2019	09:01:16	0.0	0.0	0.0	0.0
041	6/26/2019	09:02:16	0.0	0.0	0.0	0.0
042	6/26/2019	09:03:16	0.0	0.0	0.0	0.0
043	6/26/2019	09:04:16	0.0	0.0	0.0	0.0
044	6/26/2019	09:05:16	0.0	0.0	0.0	0.0
045	6/26/2019	09:06:16	0.0	0.0	0.0	0.0
046	6/26/2019	09:07:16	0.0	0.0	0.0	0.0
047	6/26/2019	09:08:16	0.0	0.0	0.0	0.0
048	6/26/2019	09:09:16	0.0	0.0	0.0	0.0
049	6/26/2019	09:10:16	0.0	0.0	0.0	0.0
050	6/26/2019	09:11:16	0.0	0.0	0.0	0.0
051	6/26/2019	09:12:16	0.0	0.0	0.0	0.0
052	6/26/2019	09:13:16	0.0	0.0	0.0	0.0
053	6/26/2019	09:14:16	0.0	0.0	0.0	0.0
054	6/26/2019	09:15:16	0.0	0.0	0.0	0.0
055	6/26/2019	09:16:16	0.0	0.0	0.0	0.0
056	6/26/2019	09:17:16	0.0	0.0	0.0	0.0
057	6/26/2019	09:18:16	0.0	0.0	0.0	0.0
058	6/26/2019	09:19:16	0.0	0.0	0.0	0.0
059	6/26/2019	09:20:16	0.0	0.0	0.0	0.0
060	6/26/2019	09:21:16	0.0	0.0	0.0	0.0

061	6/26/2019	09:22:16	0.0	0.0	0.0	0.0
062	6/26/2019	09:23:16	0.0	0.0	0.0	0.0
063	6/26/2019	09:24:16	0.0	0.0	0.0	0.0
064	6/26/2019	09:25:16	0.0	0.0	0.0	0.0
065	6/26/2019	09:26:16	0.0	0.0	0.0	0.0
066	6/26/2019	09:27:16	0.0	0.0	0.0	0.0
067	6/26/2019	09:28:16	0.0	0.0	0.0	0.0
068	6/26/2019	09:29:16	0.0	0.0	0.0	0.0
069	6/26/2019	09:30:16	0.0	0.0	0.0	0.0
070	6/26/2019	09:31:16	0.0	0.0	0.0	0.0
071	6/26/2019	09:32:16	0.0	0.0	0.0	0.0
072	6/26/2019	09:33:16	0.0	0.0	0.0	0.0
073	6/26/2019	09:34:16	0.0	0.0	0.0	0.0
074	6/26/2019	09:35:16	0.0	0.0	0.0	0.0
075	6/26/2019	09:36:16	0.0	0.0	0.0	0.0
076	6/26/2019	09:37:16	0.0	0.0	0.0	0.0
077	6/26/2019	09:38:16	0.0	0.0	0.0	0.0
078	6/26/2019	09:39:16	0.0	0.0	0.0	0.0
079	6/26/2019	09:40:16	0.0	0.0	0.0	0.0
080	6/26/2019	09:41:16	0.0	0.0	0.0	0.0
081	6/26/2019	09:42:16	0.0	0.0	0.0	0.0
082	6/26/2019	09:43:16	0.0	0.0	0.0	0.0
083	6/26/2019	09:44:16	0.0	0.0	0.0	0.0
084	6/26/2019	09:45:16	0.0	0.0	0.0	0.0
085	6/26/2019	09:46:16	0.0	0.0	0.0	0.0
086	6/26/2019	09:47:16	0.0	0.0	0.0	0.0
087	6/26/2019	09:48:16	0.0	0.0	0.0	0.0
088	6/26/2019	09:49:16	0.0	0.0	0.0	0.0
089	6/26/2019	09:50:16	0.0	0.0	0.0	0.0
090	6/26/2019	09:51:16	0.0	0.0	0.0	0.0
091	6/26/2019	09:52:16	0.0	0.0	0.0	0.0
092	6/26/2019	09:53:16	0.0	0.0	0.0	0.0
093	6/26/2019	09:54:16	0.0	0.0	0.0	0.0
094	6/26/2019	09:55:16	0.0	0.0	0.0	0.0
095	6/26/2019	09:56:16	0.0	0.0	0.0	0.0
096	6/26/2019	09:57:16	0.0	0.0	0.0	0.0
097	6/26/2019	09:58:16	0.0	0.0	0.0	0.0
098	6/26/2019	09:59:16	0.0	0.0	0.0	0.0
099	6/26/2019	10:00:16	0.0	0.0	0.0	0.0
100	6/26/2019	10:01:16	0.0	0.0	0.0	0.0
101	6/26/2019	10:02:16	0.0	0.0	0.0	0.0
102	6/26/2019	10:03:16	0.0	0.0	0.0	0.0
103	6/26/2019	10:04:16	0.0	0.0	0.0	0.0
104	6/26/2019	10:05:16	0.0	0.0	0.0	0.0
105	6/26/2019	10:06:16	0.0	0.0	0.0	0.0
106	6/26/2019	10:07:16	0.0	0.0	0.0	0.0
107	6/26/2019	10:08:16	0.0	0.0	0.0	0.0
108	6/26/2019	10:09:16	0.0	0.0	0.0	0.0
109	6/26/2019	10:10:16	0.0	0.0	0.0	0.0
110	6/26/2019	10:11:16	0.0	0.0	0.0	0.0

111	6/26/2019	10:12:16	0.0	0.0	0.0	0.0
112	6/26/2019	10:13:16	0.0	0.0	0.0	0.0
113	6/26/2019	10:14:16	0.0	0.0	0.0	0.0
114	6/26/2019	10:15:16	0.0	0.0	0.0	0.0
115	6/26/2019	10:16:16	0.0	0.0	0.0	0.0
116	6/26/2019	10:17:16	0.0	0.0	0.0	0.0
117	6/26/2019	10:18:16	0.0	0.0	0.0	0.0
118	6/26/2019	10:19:16	0.0	0.0	0.0	0.0
119	6/26/2019	10:20:16	0.0	0.0	0.0	0.0
120	6/26/2019	10:21:16	0.0	0.0	0.0	0.0
121	6/26/2019	10:22:16	0.0	0.0	0.0	0.0
122	6/26/2019	10:23:16	0.0	0.0	0.0	0.0
123	6/26/2019	10:24:16	0.0	0.0	0.0	0.0
124	6/26/2019	10:25:16	0.0	0.0	0.0	0.0
125	6/26/2019	10:26:16	0.0	0.0	0.0	0.0
126	6/26/2019	10:27:16	0.0	0.0	0.0	0.0
127	6/26/2019	10:28:16	0.0	0.0	0.0	0.0
128	6/26/2019	10:29:16	0.0	0.0	0.0	0.0
129	6/26/2019	10:30:16	0.0	0.0	0.0	0.0
130	6/26/2019	10:31:16	0.0	0.0	0.0	0.0
131	6/26/2019	10:32:16	0.0	0.0	0.0	0.0
132	6/26/2019	10:33:16	0.0	0.0	0.0	0.0
133	6/26/2019	10:34:16	0.0	0.0	0.0	0.0
134	6/26/2019	10:35:16	0.0	0.0	0.0	0.0
135	6/26/2019	10:36:16	0.0	0.0	0.0	0.0
136	6/26/2019	10:37:16	0.0	0.0	0.0	0.0
137	6/26/2019	10:38:16	0.0	0.0	0.0	0.0
138	6/26/2019	10:39:16	0.0	0.0	0.0	0.0
139	6/26/2019	10:40:16	0.0	0.0	0.0	0.0
140	6/26/2019	10:41:16	0.0	0.0	0.0	0.0
141	6/26/2019	10:42:16	0.0	0.0	0.0	0.0
142	6/26/2019	10:43:16	0.0	0.0	0.0	0.0
143	6/26/2019	10:44:16	0.0	0.0	0.0	0.0
144	6/26/2019	10:45:16	0.0	0.0	0.0	0.0
145	6/26/2019	10:46:16	0.0	0.0	0.0	0.0
146	6/26/2019	10:47:16	0.0	0.0	0.0	0.0
147	6/26/2019	10:48:16	0.0	0.0	0.0	0.0
148	6/26/2019	10:49:16	0.0	0.0	0.0	0.0
149	6/26/2019	10:50:16	0.0	0.0	0.0	0.0
150	6/26/2019	10:51:16	0.0	0.0	0.0	0.0
151	6/26/2019	10:52:16	0.0	0.0	0.0	0.0
152	6/26/2019	10:53:16	0.0	0.0	0.0	0.0
153	6/26/2019	10:54:16	0.0	0.0	0.0	0.0
154	6/26/2019	10:55:16	0.0	0.0	0.0	0.0
155	6/26/2019	10:56:16	0.0	0.0	0.0	0.0
156	6/26/2019	10:57:16	0.0	0.0	0.0	0.0
157	6/26/2019	10:58:16	0.0	0.0	0.0	0.0
158	6/26/2019	10:59:16	0.0	0.0	0.0	0.0
159	6/26/2019	11:00:16	0.0	0.0	0.0	0.0
160	6/26/2019	11:01:16	0.0	0.0	0.0	0.0

161	6/26/2019	11:02:16	0.0	0.0	0.0	0.0
162	6/26/2019	11:03:16	0.0	0.0	0.0	0.0
163	6/26/2019	11:04:16	0.0	0.0	0.0	0.0
164	6/26/2019	11:05:16	0.0	0.0	0.0	0.0
165	6/26/2019	11:06:16	0.0	0.0	0.0	0.0
166	6/26/2019	11:07:16	0.0	0.0	0.0	0.0
167	6/26/2019	11:08:16	0.0	0.0	0.0	0.0
168	6/26/2019	11:09:16	0.0	0.0	0.0	0.0
169	6/26/2019	11:10:16	0.0	0.0	0.0	0.0
170	6/26/2019	11:11:16	0.0	0.0	0.0	0.0
171	6/26/2019	11:12:16	0.0	0.0	0.0	0.0
172	6/26/2019	11:13:16	0.0	0.0	0.0	0.0
173	6/26/2019	11:14:16	0.0	0.0	0.0	0.0
174	6/26/2019	11:15:16	0.0	0.0	0.0	0.0
175	6/26/2019	11:16:16	0.0	0.0	0.0	0.0
176	6/26/2019	11:17:16	0.0	0.0	0.0	0.0
177	6/26/2019	11:18:16	0.0	0.0	0.0	0.0
178	6/26/2019	11:19:16	0.0	0.0	0.0	0.0
179	6/26/2019	11:20:16	0.0	0.0	0.0	0.0
180	6/26/2019	11:21:16	0.0	0.0	0.0	0.0
181	6/26/2019	11:22:16	0.0	0.0	0.0	0.0
182	6/26/2019	11:23:16	0.0	0.0	0.0	0.0
183	6/26/2019	11:24:16	0.0	0.0	0.0	0.0
184	6/26/2019	11:25:16	0.0	0.0	0.0	0.0
185	6/26/2019	11:26:16	0.0	0.0	0.0	0.0
186	6/26/2019	11:27:16	0.0	0.0	0.0	0.0
187	6/26/2019	11:28:16	0.0	0.0	0.0	0.0
188	6/26/2019	11:29:16	0.0	0.0	0.0	0.0
189	6/26/2019	11:30:16	0.0	0.0	0.0	0.0
190	6/26/2019	11:31:16	0.0	0.0	0.0	0.0
191	6/26/2019	11:32:16	0.0	0.0	0.0	0.0
192	6/26/2019	11:33:16	0.0	0.0	0.0	0.0
193	6/26/2019	11:34:16	0.0	0.0	0.0	0.0
194	6/26/2019	11:35:16	0.0	0.0	0.0	0.0
195	6/26/2019	11:36:16	0.0	0.0	0.0	0.0
196	6/26/2019	11:37:16	0.0	0.0	0.0	0.0
197	6/26/2019	11:38:16	0.0	0.0	0.0	0.0
198	6/26/2019	11:39:16	0.0	0.0	0.0	0.0
199	6/26/2019	11:40:16	0.0	0.0	0.0	0.0
200	6/26/2019	11:41:16	0.0	0.0	0.0	0.0
201	6/26/2019	11:42:16	0.0	0.0	0.0	0.0
202	6/26/2019	11:43:16	0.0	0.0	0.0	0.0
203	6/26/2019	11:44:16	0.0	0.0	0.0	0.0
204	6/26/2019	11:45:16	0.0	0.0	0.0	0.0
205	6/26/2019	11:46:16	0.0	0.0	0.0	0.0
206	6/26/2019	11:47:16	0.0	0.0	0.0	0.0
207	6/26/2019	11:48:16	0.0	0.0	0.0	0.0
208	6/26/2019	11:49:16	0.0	0.0	0.0	0.0
209	6/26/2019	11:50:16	0.0	0.0	0.0	0.0
210	6/26/2019	11:51:16	0.0	0.0	0.0	0.0

211	6/26/2019	11:52:16	0.0	0.0	0.0	0.0
212	6/26/2019	11:53:16	0.0	0.0	0.0	0.0
213	6/26/2019	11:54:16	0.0	0.0	0.0	0.0
214	6/26/2019	11:55:16	0.0	0.0	0.0	0.0
215	6/26/2019	11:56:16	0.0	0.0	0.0	0.0
216	6/26/2019	11:57:16	0.0	0.0	0.0	0.0
217	6/26/2019	11:58:16	0.0	0.0	0.0	0.0
218	6/26/2019	11:59:16	0.0	0.0	0.0	0.0
219	6/26/2019	12:00:16	0.0	0.0	0.0	0.0
220	6/26/2019	12:01:16	0.0	0.0	0.0	0.0
221	6/26/2019	12:02:16	0.0	0.0	0.0	0.0
222	6/26/2019	12:03:16	0.0	0.0	0.0	0.0
223	6/26/2019	12:04:16	0.0	0.0	0.0	0.0
224	6/26/2019	12:05:16	0.0	0.0	0.0	0.0
225	6/26/2019	12:06:16	0.0	0.0	0.0	0.0
226	6/26/2019	12:07:16	0.0	0.0	0.0	0.0
227	6/26/2019	12:08:16	0.0	0.0	0.0	0.0
228	6/26/2019	12:09:16	0.0	0.0	0.0	0.0
229	6/26/2019	12:10:16	0.0	0.0	0.0	0.0
230	6/26/2019	12:11:16	0.0	0.0	0.0	0.0
231	6/26/2019	12:12:16	0.0	0.0	0.0	0.0
232	6/26/2019	12:13:16	0.0	0.0	0.0	0.0
233	6/26/2019	12:14:16	0.0	0.0	0.0	0.0
234	6/26/2019	12:15:16	0.0	0.0	0.0	0.0
235	6/26/2019	12:16:16	0.0	0.0	0.0	0.0
236	6/26/2019	12:17:16	0.0	0.0	0.0	0.0
237	6/26/2019	12:18:16	0.0	0.0	0.0	0.0
238	6/26/2019	12:19:16	0.0	0.0	0.0	0.0
239	6/26/2019	12:20:16	0.0	0.0	0.0	0.0
240	6/26/2019	12:21:16	0.0	0.0	0.0	0.0
241	6/26/2019	12:22:16	0.0	0.0	0.0	0.0
242	6/26/2019	12:23:16	0.0	0.0	0.0	0.0
243	6/26/2019	12:24:16	0.0	0.0	0.0	0.0
244	6/26/2019	12:25:16	0.0	0.0	0.0	0.0
245	6/26/2019	12:26:16	0.0	0.0	0.0	0.0
246	6/26/2019	12:27:16	0.0	0.0	0.0	0.0
247	6/26/2019	12:28:16	0.0	0.0	0.0	0.0
248	6/26/2019	12:29:16	0.0	0.0	0.0	0.0
249	6/26/2019	12:30:16	0.0	0.0	0.0	0.0
250	6/26/2019	12:31:16	0.0	0.0	0.0	0.0
251	6/26/2019	12:32:16	0.0	0.0	0.0	0.0
252	6/26/2019	12:33:16	0.0	0.0	0.0	0.0
253	6/26/2019	12:34:16	0.0	0.0	0.0	0.0
254	6/26/2019	12:35:16	0.0	0.0	0.0	0.0
255	6/26/2019	12:36:16	0.0	0.0	0.0	0.0
256	6/26/2019	12:37:16	0.0	0.0	0.0	0.0
257	6/26/2019	12:38:16	0.0	0.0	0.0	0.0
258	6/26/2019	12:39:16	0.0	0.0	0.0	0.0
259	6/26/2019	12:40:16	0.0	0.0	0.0	0.0
260	6/26/2019	12:41:16	0.0	0.0	0.0	0.0

261	6/26/2019 12:42:16	0.0	0.0	0.0	0.0
262	6/26/2019 12:43:16	0.0	0.0	0.0	0.0
263	6/26/2019 12:44:16	0.0	0.0	0.0	0.0
264	6/26/2019 12:45:16	0.0	0.0	0.0	0.0
265	6/26/2019 12:46:16	0.0	0.0	0.0	0.0
266	6/26/2019 12:47:16	0.0	0.0	0.0	0.0
267	6/26/2019 12:48:16	0.0	0.0	0.0	0.0
268	6/26/2019 12:49:16	0.0	0.0	0.0	0.0
269	6/26/2019 12:50:16	0.0	0.0	0.0	0.0
270	6/26/2019 12:51:16	0.0	0.1	0.1	0.1
271	6/26/2019 12:52:16	0.1	0.1	0.1	0.1
272	6/26/2019 12:53:16	0.1	0.1	0.1	0.1
273	6/26/2019 12:54:16	0.0	0.1	0.1	0.1
274	6/26/2019 12:55:16	0.1	0.1	0.1	0.1
275	6/26/2019 12:56:16	0.1	0.1	0.1	0.1
276	6/26/2019 12:57:16	0.1	0.1	0.1	0.1
277	6/26/2019 12:58:16	0.1	0.1	0.1	0.1
278	6/26/2019 12:59:16	0.1	0.1	0.1	0.1
279	6/26/2019 13:00:16	0.1	0.1	0.2	0.1
280	6/26/2019 13:01:16	0.1	0.1	0.1	0.1
281	6/26/2019 13:02:16	0.1	0.1	0.1	0.1
282	6/26/2019 13:03:16	0.1	0.1	0.1	0.1
283	6/26/2019 13:04:16	0.1	0.1	0.2	0.1
284	6/26/2019 13:05:16	0.1	0.1	0.2	0.1
285	6/26/2019 13:06:16	0.1	0.1	0.1	0.1
286	6/26/2019 13:07:16	0.1	0.1	0.1	0.1
287	6/26/2019 13:08:16	0.1	0.1	0.2	0.1
288	6/26/2019 13:09:16	0.1	0.2	0.2	0.2
289	6/26/2019 13:10:16	0.1	0.1	0.2	0.1
290	6/26/2019 13:11:16	0.1	0.2	0.2	0.2
291	6/26/2019 13:12:16	0.2	0.2	0.2	0.2
292	6/26/2019 13:13:16	0.1	0.2	0.2	0.2
293	6/26/2019 13:14:16	0.2	0.2	0.2	0.2
294	6/26/2019 13:15:16	0.2	0.2	0.2	0.2
295	6/26/2019 13:16:16	0.1	0.2	0.2	0.2
296	6/26/2019 13:17:16	0.2	0.2	0.2	0.2
297	6/26/2019 13:18:16	0.2	0.2	0.2	0.2
298	6/26/2019 13:19:16	0.2	0.2	0.2	0.2
299	6/26/2019 13:20:16	0.2	0.2	0.2	0.2
300	6/26/2019 13:21:16	0.2	0.2	0.2	0.2
301	6/26/2019 13:22:16	0.2	0.2	0.2	0.2
302	6/26/2019 13:23:16	0.2	0.2	0.2	0.2
303	6/26/2019 13:24:16	0.2	0.2	0.2	0.2
304	6/26/2019 13:25:16	0.2	0.2	0.2	0.2
305	6/26/2019 13:26:16	0.2	0.2	0.2	0.2
306	6/26/2019 13:27:16	0.2	0.2	0.2	0.2
307	6/26/2019 13:28:16	0.2	0.2	0.2	0.2
308	6/26/2019 13:29:16	0.2	0.2	0.2	0.2
309	6/26/2019 13:30:16	0.1	0.2	0.2	0.2
310	6/26/2019 13:31:16	0.2	0.2	0.3	0.2

311	6/26/2019	13:32:16	0.2	0.3	0.3	0.3
312	6/26/2019	13:33:16	0.2	0.2	0.3	0.2
313	6/26/2019	13:34:16	0.1	0.2	0.2	0.2
314	6/26/2019	13:35:16	0.1	0.2	0.4	0.4
315	6/26/2019	13:36:16	0.1	0.2	0.4	0.1
316	6/26/2019	13:37:16	0.1	0.1	0.2	0.2
317	6/26/2019	13:38:16	0.2	0.2	0.2	0.2
318	6/26/2019	13:39:16	0.1	0.2	0.2	0.2
319	6/26/2019	13:40:16	0.2	0.2	0.2	0.2
320	6/26/2019	13:41:16	0.2	0.2	0.2	0.2
321	6/26/2019	13:42:16	0.2	0.2	0.2	0.2
322	6/26/2019	13:43:16	0.2	0.2	0.2	0.2
323	6/26/2019	13:44:16	0.2	0.2	0.2	0.2
324	6/26/2019	13:45:16	0.2	0.2	0.2	0.2
325	6/26/2019	13:46:16	0.2	0.2	0.2	0.2
326	6/26/2019	13:47:16	0.2	0.2	0.2	0.2
327	6/26/2019	13:48:16	0.2	0.2	0.2	0.2
328	6/26/2019	13:49:16	0.2	0.2	0.2	0.2
329	6/26/2019	13:50:16	0.2	0.2	0.2	0.2
330	6/26/2019	13:51:16	0.2	0.2	0.2	0.2
331	6/26/2019	13:52:16	0.2	0.2	0.2	0.2
332	6/26/2019	13:53:16	0.2	0.2	0.2	0.2
333	6/26/2019	13:54:16	0.2	0.2	0.2	0.2
334	6/26/2019	13:55:16	0.2	0.2	0.2	0.2
335	6/26/2019	13:56:16	0.2	0.2	0.2	0.2
336	6/26/2019	13:57:16	0.2	0.2	0.2	0.2
337	6/26/2019	13:58:16	0.2	0.2	0.2	0.2
338	6/26/2019	13:59:16	0.2	0.2	0.3	0.3
339	6/26/2019	14:00:16	0.2	0.2	0.3	0.2
340	6/26/2019	14:01:16	0.2	0.2	0.2	0.2
341	6/26/2019	14:02:16	0.2	0.2	0.3	0.2
342	6/26/2019	14:03:16	0.2	0.2	0.3	0.2
343	6/26/2019	14:04:16	0.2	0.2	0.2	0.2
344	6/26/2019	14:05:16	0.2	0.2	0.3	0.2
345	6/26/2019	14:06:16	0.2	0.3	0.3	0.3
346	6/26/2019	14:07:16	0.3	0.3	0.3	0.3
347	6/26/2019	14:08:16	0.3	0.3	0.3	0.3
348	6/26/2019	14:09:16	0.2	0.3	0.3	0.3
349	6/26/2019	14:10:16	0.3	0.3	0.3	0.3
350	6/26/2019	14:11:16	0.2	0.3	0.3	0.3
351	6/26/2019	14:12:16	0.2	0.3	0.3	0.3
352	6/26/2019	14:13:16	0.3	0.3	0.3	0.3
353	6/26/2019	14:14:16	0.3	0.3	0.3	0.3
354	6/26/2019	14:15:16	0.2	0.3	0.3	0.3
355	6/26/2019	14:16:16	0.2	0.3	0.3	0.2
356	6/26/2019	14:17:16	0.2	0.3	0.3	0.3
357	6/26/2019	14:18:16	0.2	0.2	0.3	0.2
358	6/26/2019	14:19:16	0.2	0.2	0.2	0.2
359	6/26/2019	14:20:16	0.2	0.2	0.2	0.2
360	6/26/2019	14:21:16	0.2	0.2	0.2	0.2

361	6/26/2019 14:22:16	0.2	0.2	0.2	0.2
362	6/26/2019 14:23:16	0.2	0.2	0.2	0.2
363	6/26/2019 14:24:16	0.2	0.2	0.2	0.2
364	6/26/2019 14:25:16	0.2	0.2	0.2	0.2
365	6/26/2019 14:26:16	0.2	0.2	0.2	0.2
366	6/26/2019 14:27:16	0.2	0.2	0.2	0.2
367	6/26/2019 14:28:16	0.2	0.2	0.2	0.2
368	6/26/2019 14:29:16	0.2	0.2	0.2	0.2
369	6/26/2019 14:30:16	0.2	0.2	0.2	0.2
370	6/26/2019 14:31:16	0.2	0.2	0.2	0.2
371	6/26/2019 14:32:16	0.2	0.2	0.2	0.2
372	6/26/2019 14:33:16	0.2	0.2	0.2	0.2
373	6/26/2019 14:34:16	0.2	0.2	0.2	0.2
374	6/26/2019 14:35:16	0.2	0.2	0.2	0.2
375	6/26/2019 14:36:16	0.2	0.2	0.2	0.2
376	6/26/2019 14:37:16	0.2	0.2	0.2	0.2
377	6/26/2019 14:38:16	0.2	0.2	0.2	0.2
378	6/26/2019 14:39:16	0.2	0.2	0.2	0.2
379	6/26/2019 14:40:16	0.2	0.2	0.2	0.2
380	6/26/2019 14:41:16	0.1	0.2	0.2	0.2
381	6/26/2019 14:42:16	0.1	0.1	0.2	0.1
382	6/26/2019 14:43:16	0.1	0.1	0.1	0.1
383	6/26/2019 14:44:16	0.1	0.1	0.1	0.1
384	6/26/2019 14:45:16	0.1	0.1	0.1	0.1
385	6/26/2019 14:46:16	0.1	0.1	0.1	0.1
386	6/26/2019 14:47:16	0.1	0.1	0.1	0.1
387	6/26/2019 14:48:16	0.1	0.1	0.1	0.1
388	6/26/2019 14:49:16	0.1	0.1	0.1	0.1
Peak		0.3	0.3	0.4	0.4
Min		0.0	0.0	0.0	0.0
Average		0.1	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/26/2019 08:22:16	0.0	---
002	6/26/2019 08:23:16	0.0	---
003	6/26/2019 08:24:16	0.0	---
004	6/26/2019 08:25:16	0.0	---
005	6/26/2019 08:26:16	0.0	---
006	6/26/2019 08:27:16	0.0	---
007	6/26/2019 08:28:16	0.0	---
008	6/26/2019 08:29:16	0.0	---
009	6/26/2019 08:30:16	0.0	---
010	6/26/2019 08:31:16	0.0	---
011	6/26/2019 08:32:16	0.0	---
012	6/26/2019 08:33:16	0.0	---
013	6/26/2019 08:34:16	0.0	---
014	6/26/2019 08:35:16	0.0	---

015	6/26/2019 08:36:16	0.0	0.0
016	6/26/2019 08:37:16	0.0	0.0
017	6/26/2019 08:38:16	0.0	0.0
018	6/26/2019 08:39:16	0.0	0.0
019	6/26/2019 08:40:16	0.0	0.0
020	6/26/2019 08:41:16	0.0	0.0
021	6/26/2019 08:42:16	0.0	0.0
022	6/26/2019 08:43:16	0.0	0.0
023	6/26/2019 08:44:16	0.0	0.0
024	6/26/2019 08:45:16	0.0	0.0
025	6/26/2019 08:46:16	0.0	0.0
026	6/26/2019 08:47:16	0.0	0.0
027	6/26/2019 08:48:16	0.0	0.0
028	6/26/2019 08:49:16	0.0	0.0
029	6/26/2019 08:50:16	0.0	0.0
030	6/26/2019 08:51:16	0.0	0.0
031	6/26/2019 08:52:16	0.0	0.0
032	6/26/2019 08:53:16	0.0	0.0
033	6/26/2019 08:54:16	0.0	0.0
034	6/26/2019 08:55:16	0.0	0.0
035	6/26/2019 08:56:16	0.0	0.0
036	6/26/2019 08:57:16	0.0	0.0
037	6/26/2019 08:58:16	0.0	0.0
038	6/26/2019 08:59:16	0.0	0.0
039	6/26/2019 09:00:16	0.0	0.0
040	6/26/2019 09:01:16	0.0	0.0
041	6/26/2019 09:02:16	0.0	0.0
042	6/26/2019 09:03:16	0.0	0.0
043	6/26/2019 09:04:16	0.0	0.0
044	6/26/2019 09:05:16	0.0	0.0
045	6/26/2019 09:06:16	0.0	0.0
046	6/26/2019 09:07:16	0.0	0.0
047	6/26/2019 09:08:16	0.0	0.0
048	6/26/2019 09:09:16	0.0	0.0
049	6/26/2019 09:10:16	0.0	0.0
050	6/26/2019 09:11:16	0.0	0.0
051	6/26/2019 09:12:16	0.0	0.0
052	6/26/2019 09:13:16	0.0	0.0
053	6/26/2019 09:14:16	0.0	0.0
054	6/26/2019 09:15:16	0.0	0.0
055	6/26/2019 09:16:16	0.0	0.0
056	6/26/2019 09:17:16	0.0	0.0
057	6/26/2019 09:18:16	0.0	0.0
058	6/26/2019 09:19:16	0.0	0.0
059	6/26/2019 09:20:16	0.0	0.0
060	6/26/2019 09:21:16	0.0	0.0
061	6/26/2019 09:22:16	0.0	0.0
062	6/26/2019 09:23:16	0.0	0.0
063	6/26/2019 09:24:16	0.0	0.0
064	6/26/2019 09:25:16	0.0	0.0

065	6/26/2019 09:26:16	0.0	0.0
066	6/26/2019 09:27:16	0.0	0.0
067	6/26/2019 09:28:16	0.0	0.0
068	6/26/2019 09:29:16	0.0	0.0
069	6/26/2019 09:30:16	0.0	0.0
070	6/26/2019 09:31:16	0.0	0.0
071	6/26/2019 09:32:16	0.0	0.0
072	6/26/2019 09:33:16	0.0	0.0
073	6/26/2019 09:34:16	0.0	0.0
074	6/26/2019 09:35:16	0.0	0.0
075	6/26/2019 09:36:16	0.0	0.0
076	6/26/2019 09:37:16	0.0	0.0
077	6/26/2019 09:38:16	0.0	0.0
078	6/26/2019 09:39:16	0.0	0.0
079	6/26/2019 09:40:16	0.0	0.0
080	6/26/2019 09:41:16	0.0	0.0
081	6/26/2019 09:42:16	0.0	0.0
082	6/26/2019 09:43:16	0.0	0.0
083	6/26/2019 09:44:16	0.0	0.0
084	6/26/2019 09:45:16	0.0	0.0
085	6/26/2019 09:46:16	0.0	0.0
086	6/26/2019 09:47:16	0.0	0.0
087	6/26/2019 09:48:16	0.0	0.0
088	6/26/2019 09:49:16	0.0	0.0
089	6/26/2019 09:50:16	0.0	0.0
090	6/26/2019 09:51:16	0.0	0.0
091	6/26/2019 09:52:16	0.0	0.0
092	6/26/2019 09:53:16	0.0	0.0
093	6/26/2019 09:54:16	0.0	0.0
094	6/26/2019 09:55:16	0.0	0.0
095	6/26/2019 09:56:16	0.0	0.0
096	6/26/2019 09:57:16	0.0	0.0
097	6/26/2019 09:58:16	0.0	0.0
098	6/26/2019 09:59:16	0.0	0.0
099	6/26/2019 10:00:16	0.0	0.0
100	6/26/2019 10:01:16	0.0	0.0
101	6/26/2019 10:02:16	0.0	0.0
102	6/26/2019 10:03:16	0.0	0.0
103	6/26/2019 10:04:16	0.0	0.0
104	6/26/2019 10:05:16	0.0	0.0
105	6/26/2019 10:06:16	0.0	0.0
106	6/26/2019 10:07:16	0.0	0.0
107	6/26/2019 10:08:16	0.0	0.0
108	6/26/2019 10:09:16	0.0	0.0
109	6/26/2019 10:10:16	0.0	0.0
110	6/26/2019 10:11:16	0.0	0.0
111	6/26/2019 10:12:16	0.0	0.0
112	6/26/2019 10:13:16	0.0	0.0
113	6/26/2019 10:14:16	0.0	0.0
114	6/26/2019 10:15:16	0.0	0.0

115	6/26/2019 10:16:16	0.0	0.0
116	6/26/2019 10:17:16	0.0	0.0
117	6/26/2019 10:18:16	0.0	0.0
118	6/26/2019 10:19:16	0.0	0.0
119	6/26/2019 10:20:16	0.0	0.0
120	6/26/2019 10:21:16	0.0	0.0
121	6/26/2019 10:22:16	0.0	0.0
122	6/26/2019 10:23:16	0.0	0.0
123	6/26/2019 10:24:16	0.0	0.0
124	6/26/2019 10:25:16	0.0	0.0
125	6/26/2019 10:26:16	0.0	0.0
126	6/26/2019 10:27:16	0.0	0.0
127	6/26/2019 10:28:16	0.0	0.0
128	6/26/2019 10:29:16	0.0	0.0
129	6/26/2019 10:30:16	0.0	0.0
130	6/26/2019 10:31:16	0.0	0.0
131	6/26/2019 10:32:16	0.0	0.0
132	6/26/2019 10:33:16	0.0	0.0
133	6/26/2019 10:34:16	0.0	0.0
134	6/26/2019 10:35:16	0.0	0.0
135	6/26/2019 10:36:16	0.0	0.0
136	6/26/2019 10:37:16	0.0	0.0
137	6/26/2019 10:38:16	0.0	0.0
138	6/26/2019 10:39:16	0.0	0.0
139	6/26/2019 10:40:16	0.0	0.0
140	6/26/2019 10:41:16	0.0	0.0
141	6/26/2019 10:42:16	0.0	0.0
142	6/26/2019 10:43:16	0.0	0.0
143	6/26/2019 10:44:16	0.0	0.0
144	6/26/2019 10:45:16	0.0	0.0
145	6/26/2019 10:46:16	0.0	0.0
146	6/26/2019 10:47:16	0.0	0.0
147	6/26/2019 10:48:16	0.0	0.0
148	6/26/2019 10:49:16	0.0	0.0
149	6/26/2019 10:50:16	0.0	0.0
150	6/26/2019 10:51:16	0.0	0.0
151	6/26/2019 10:52:16	0.0	0.0
152	6/26/2019 10:53:16	0.0	0.0
153	6/26/2019 10:54:16	0.0	0.0
154	6/26/2019 10:55:16	0.0	0.0
155	6/26/2019 10:56:16	0.0	0.0
156	6/26/2019 10:57:16	0.0	0.0
157	6/26/2019 10:58:16	0.0	0.0
158	6/26/2019 10:59:16	0.0	0.0
159	6/26/2019 11:00:16	0.0	0.0
160	6/26/2019 11:01:16	0.0	0.0
161	6/26/2019 11:02:16	0.0	0.0
162	6/26/2019 11:03:16	0.0	0.0
163	6/26/2019 11:04:16	0.0	0.0
164	6/26/2019 11:05:16	0.0	0.0

165	6/26/2019 11:06:16	0.0	0.0
166	6/26/2019 11:07:16	0.0	0.0
167	6/26/2019 11:08:16	0.0	0.0
168	6/26/2019 11:09:16	0.0	0.0
169	6/26/2019 11:10:16	0.0	0.0
170	6/26/2019 11:11:16	0.0	0.0
171	6/26/2019 11:12:16	0.0	0.0
172	6/26/2019 11:13:16	0.0	0.0
173	6/26/2019 11:14:16	0.0	0.0
174	6/26/2019 11:15:16	0.0	0.0
175	6/26/2019 11:16:16	0.0	0.0
176	6/26/2019 11:17:16	0.0	0.0
177	6/26/2019 11:18:16	0.0	0.0
178	6/26/2019 11:19:16	0.0	0.0
179	6/26/2019 11:20:16	0.0	0.0
180	6/26/2019 11:21:16	0.0	0.0
181	6/26/2019 11:22:16	0.0	0.0
182	6/26/2019 11:23:16	0.0	0.0
183	6/26/2019 11:24:16	0.0	0.0
184	6/26/2019 11:25:16	0.0	0.0
185	6/26/2019 11:26:16	0.0	0.0
186	6/26/2019 11:27:16	0.0	0.0
187	6/26/2019 11:28:16	0.0	0.0
188	6/26/2019 11:29:16	0.0	0.0
189	6/26/2019 11:30:16	0.0	0.0
190	6/26/2019 11:31:16	0.0	0.0
191	6/26/2019 11:32:16	0.0	0.0
192	6/26/2019 11:33:16	0.0	0.0
193	6/26/2019 11:34:16	0.0	0.0
194	6/26/2019 11:35:16	0.0	0.0
195	6/26/2019 11:36:16	0.0	0.0
196	6/26/2019 11:37:16	0.0	0.0
197	6/26/2019 11:38:16	0.0	0.0
198	6/26/2019 11:39:16	0.0	0.0
199	6/26/2019 11:40:16	0.0	0.0
200	6/26/2019 11:41:16	0.0	0.0
201	6/26/2019 11:42:16	0.0	0.0
202	6/26/2019 11:43:16	0.0	0.0
203	6/26/2019 11:44:16	0.0	0.0
204	6/26/2019 11:45:16	0.0	0.0
205	6/26/2019 11:46:16	0.0	0.0
206	6/26/2019 11:47:16	0.0	0.0
207	6/26/2019 11:48:16	0.0	0.0
208	6/26/2019 11:49:16	0.0	0.0
209	6/26/2019 11:50:16	0.0	0.0
210	6/26/2019 11:51:16	0.0	0.0
211	6/26/2019 11:52:16	0.0	0.0
212	6/26/2019 11:53:16	0.0	0.0
213	6/26/2019 11:54:16	0.0	0.0
214	6/26/2019 11:55:16	0.0	0.0

215	6/26/2019 11:56:16	0.0	0.0
216	6/26/2019 11:57:16	0.0	0.0
217	6/26/2019 11:58:16	0.0	0.0
218	6/26/2019 11:59:16	0.0	0.0
219	6/26/2019 12:00:16	0.0	0.0
220	6/26/2019 12:01:16	0.0	0.0
221	6/26/2019 12:02:16	0.0	0.0
222	6/26/2019 12:03:16	0.0	0.0
223	6/26/2019 12:04:16	0.0	0.0
224	6/26/2019 12:05:16	0.0	0.0
225	6/26/2019 12:06:16	0.0	0.0
226	6/26/2019 12:07:16	0.0	0.0
227	6/26/2019 12:08:16	0.0	0.0
228	6/26/2019 12:09:16	0.0	0.0
229	6/26/2019 12:10:16	0.0	0.0
230	6/26/2019 12:11:16	0.0	0.0
231	6/26/2019 12:12:16	0.0	0.0
232	6/26/2019 12:13:16	0.0	0.0
233	6/26/2019 12:14:16	0.0	0.0
234	6/26/2019 12:15:16	0.0	0.0
235	6/26/2019 12:16:16	0.0	0.0
236	6/26/2019 12:17:16	0.0	0.0
237	6/26/2019 12:18:16	0.0	0.0
238	6/26/2019 12:19:16	0.0	0.0
239	6/26/2019 12:20:16	0.0	0.0
240	6/26/2019 12:21:16	0.0	0.0
241	6/26/2019 12:22:16	0.0	0.0
242	6/26/2019 12:23:16	0.0	0.0
243	6/26/2019 12:24:16	0.0	0.0
244	6/26/2019 12:25:16	0.0	0.0
245	6/26/2019 12:26:16	0.0	0.0
246	6/26/2019 12:27:16	0.0	0.0
247	6/26/2019 12:28:16	0.0	0.0
248	6/26/2019 12:29:16	0.0	0.0
249	6/26/2019 12:30:16	0.0	0.0
250	6/26/2019 12:31:16	0.0	0.0
251	6/26/2019 12:32:16	0.0	0.0
252	6/26/2019 12:33:16	0.0	0.0
253	6/26/2019 12:34:16	0.0	0.0
254	6/26/2019 12:35:16	0.0	0.0
255	6/26/2019 12:36:16	0.0	0.0
256	6/26/2019 12:37:16	0.0	0.0
257	6/26/2019 12:38:16	0.0	0.0
258	6/26/2019 12:39:16	0.0	0.0
259	6/26/2019 12:40:16	0.0	0.0
260	6/26/2019 12:41:16	0.0	0.0
261	6/26/2019 12:42:16	0.0	0.0
262	6/26/2019 12:43:16	0.0	0.0
263	6/26/2019 12:44:16	0.0	0.0
264	6/26/2019 12:45:16	0.0	0.0

265	6/26/2019 12:46:16	0.0	0.0
266	6/26/2019 12:47:16	0.0	0.0
267	6/26/2019 12:48:16	0.0	0.0
268	6/26/2019 12:49:16	0.0	0.0
269	6/26/2019 12:50:16	0.0	0.0
270	6/26/2019 12:51:16	0.0	0.0
271	6/26/2019 12:52:16	0.0	0.0
272	6/26/2019 12:53:16	0.0	0.0
273	6/26/2019 12:54:16	0.0	0.0
274	6/26/2019 12:55:16	0.0	0.0
275	6/26/2019 12:56:16	0.0	0.0
276	6/26/2019 12:57:16	0.0	0.0
277	6/26/2019 12:58:16	0.0	0.1
278	6/26/2019 12:59:16	0.0	0.1
279	6/26/2019 13:00:16	0.0	0.1
280	6/26/2019 13:01:16	0.0	0.1
281	6/26/2019 13:02:16	0.0	0.1
282	6/26/2019 13:03:16	0.0	0.1
283	6/26/2019 13:04:16	0.0	0.1
284	6/26/2019 13:05:16	0.0	0.1
285	6/26/2019 13:06:16	0.0	0.1
286	6/26/2019 13:07:16	0.0	0.1
287	6/26/2019 13:08:16	0.0	0.1
288	6/26/2019 13:09:16	0.0	0.1
289	6/26/2019 13:10:16	0.0	0.1
290	6/26/2019 13:11:16	0.0	0.1
291	6/26/2019 13:12:16	0.0	0.1
292	6/26/2019 13:13:16	0.0	0.1
293	6/26/2019 13:14:16	0.0	0.1
294	6/26/2019 13:15:16	0.0	0.1
295	6/26/2019 13:16:16	0.0	0.2
296	6/26/2019 13:17:16	0.0	0.2
297	6/26/2019 13:18:16	0.0	0.2
298	6/26/2019 13:19:16	0.0	0.2
299	6/26/2019 13:20:16	0.0	0.2
300	6/26/2019 13:21:16	0.0	0.2
301	6/26/2019 13:22:16	0.0	0.2
302	6/26/2019 13:23:16	0.0	0.2
303	6/26/2019 13:24:16	0.0	0.2
304	6/26/2019 13:25:16	0.0	0.2
305	6/26/2019 13:26:16	0.0	0.2
306	6/26/2019 13:27:16	0.0	0.2
307	6/26/2019 13:28:16	0.0	0.2
308	6/26/2019 13:29:16	0.0	0.2
309	6/26/2019 13:30:16	0.0	0.2
310	6/26/2019 13:31:16	0.0	0.2
311	6/26/2019 13:32:16	0.0	0.2
312	6/26/2019 13:33:16	0.0	0.2
313	6/26/2019 13:34:16	0.0	0.2
314	6/26/2019 13:35:16	0.0	0.2

315	6/26/2019 13:36:16	0.0	0.2
316	6/26/2019 13:37:16	0.0	0.2
317	6/26/2019 13:38:16	0.0	0.2
318	6/26/2019 13:39:16	0.0	0.2
319	6/26/2019 13:40:16	0.0	0.2
320	6/26/2019 13:41:16	0.0	0.2
321	6/26/2019 13:42:16	0.0	0.2
322	6/26/2019 13:43:16	0.0	0.2
323	6/26/2019 13:44:16	0.0	0.2
324	6/26/2019 13:45:16	0.0	0.2
325	6/26/2019 13:46:16	0.0	0.2
326	6/26/2019 13:47:16	0.0	0.2
327	6/26/2019 13:48:16	0.0	0.2
328	6/26/2019 13:49:16	0.0	0.2
329	6/26/2019 13:50:16	0.0	0.2
330	6/26/2019 13:51:16	0.0	0.2
331	6/26/2019 13:52:16	0.0	0.2
332	6/26/2019 13:53:16	0.0	0.2
333	6/26/2019 13:54:16	0.0	0.2
334	6/26/2019 13:55:16	0.0	0.2
335	6/26/2019 13:56:16	0.0	0.2
336	6/26/2019 13:57:16	0.0	0.2
337	6/26/2019 13:58:16	0.0	0.2
338	6/26/2019 13:59:16	0.0	0.2
339	6/26/2019 14:00:16	0.0	0.2
340	6/26/2019 14:01:16	0.0	0.2
341	6/26/2019 14:02:16	0.0	0.2
342	6/26/2019 14:03:16	0.0	0.2
343	6/26/2019 14:04:16	0.0	0.2
344	6/26/2019 14:05:16	0.0	0.2
345	6/26/2019 14:06:16	0.0	0.2
346	6/26/2019 14:07:16	0.0	0.2
347	6/26/2019 14:08:16	0.0	0.2
348	6/26/2019 14:09:16	0.0	0.2
349	6/26/2019 14:10:16	0.0	0.3
350	6/26/2019 14:11:16	0.0	0.3
351	6/26/2019 14:12:16	0.0	0.3
352	6/26/2019 14:13:16	0.0	0.3
353	6/26/2019 14:14:16	0.0	0.3
354	6/26/2019 14:15:16	0.0	0.3
355	6/26/2019 14:16:16	0.0	0.3
356	6/26/2019 14:17:16	0.0	0.3
357	6/26/2019 14:18:16	0.0	0.3
358	6/26/2019 14:19:16	0.0	0.3
359	6/26/2019 14:20:16	0.0	0.3
360	6/26/2019 14:21:16	0.0	0.3
361	6/26/2019 14:22:16	0.0	0.3
362	6/26/2019 14:23:16	0.0	0.3
363	6/26/2019 14:24:16	0.0	0.3
364	6/26/2019 14:25:16	0.0	0.3

365	6/26/2019 14:26:16	0.0	0.3
366	6/26/2019 14:27:16	0.0	0.2
367	6/26/2019 14:28:16	0.0	0.2
368	6/26/2019 14:29:16	0.0	0.2
369	6/26/2019 14:30:16	0.0	0.2
370	6/26/2019 14:31:16	0.0	0.2
371	6/26/2019 14:32:16	0.0	0.2
372	6/26/2019 14:33:16	0.0	0.2
373	6/26/2019 14:34:16	0.0	0.2
374	6/26/2019 14:35:16	0.0	0.2
375	6/26/2019 14:36:16	0.0	0.2
376	6/26/2019 14:37:16	0.0	0.2
377	6/26/2019 14:38:16	0.0	0.2
378	6/26/2019 14:39:16	0.0	0.2
379	6/26/2019 14:40:16	0.0	0.2
380	6/26/2019 14:41:16	0.0	0.2
381	6/26/2019 14:42:16	0.0	0.2
382	6/26/2019 14:43:16	0.0	0.2
383	6/26/2019 14:44:16	0.0	0.2
384	6/26/2019 14:45:16	0.0	0.2
385	6/26/2019 14:46:16	0.0	0.2
386	6/26/2019 14:47:16	0.0	0.2
387	6/26/2019 14:48:16	0.0	0.2
388	6/26/2019 14:49:16	0.0	0.2

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19/06/27 08:41

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-922384
Unit Firmware Ver V2.20

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Battery Low

Site ID RAE00000
User ID USER0000

Begin 6/27/2019 08:41:56
End 6/27/2019 13:13:02
Sample Period(s) 60
Number of Records 271

Sensor PID(ppm)
Sensor SN S023030211V7
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 6/27/2019 07:35
Peak 0.4
Min 0.0
Average 0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/27/2019 08:42:56	0.0	0.0	0.0	0.0	
002	6/27/2019 08:43:56	0.0	0.0	0.0	0.0	
003	6/27/2019 08:44:56	0.0	0.0	0.0	0.0	
004	6/27/2019 08:45:56	0.0	0.0	0.0	0.0	
005	6/27/2019 08:46:56	0.0	0.0	0.0	0.0	
006	6/27/2019 08:47:56	0.0	0.0	0.0	0.0	
007	6/27/2019 08:48:56	0.0	0.0	0.0	0.0	
008	6/27/2019 08:49:56	0.0	0.0	0.0	0.0	
009	6/27/2019 08:50:56	0.0	0.0	0.0	0.0	
010	6/27/2019 08:51:56	0.0	0.0	0.1	0.0	
011	6/27/2019 08:52:56	0.0	0.0	0.0	0.0	
012	6/27/2019 08:53:56	0.0	0.0	0.0	0.0	
013	6/27/2019 08:54:56	0.0	0.0	0.0	0.0	
014	6/27/2019 08:55:56	0.0	0.0	0.2	0.0	
015	6/27/2019 08:56:56	0.0	0.0	0.1	0.0	
016	6/27/2019 08:57:56	0.0	0.0	0.3	0.0	
017	6/27/2019 08:58:56	0.0	0.1	0.3	0.0	
018	6/27/2019 08:59:56	0.0	0.0	0.0	0.0	
019	6/27/2019 09:00:56	0.0	0.0	0.1	0.0	
020	6/27/2019 09:01:56	0.0	0.0	0.0	0.0	
021	6/27/2019 09:02:56	0.0	0.1	0.2	0.0	
022	6/27/2019 09:03:56	0.0	0.1	0.1	0.1	
023	6/27/2019 09:04:56	0.1	0.1	0.1	0.1	
024	6/27/2019 09:05:56	0.0	0.0	0.1	0.0	
025	6/27/2019 09:06:56	0.0	0.1	0.5	0.0	
026	6/27/2019 09:07:56	0.0	0.0	0.1	0.1	
027	6/27/2019 09:08:56	0.0	0.0	0.1	0.0	
028	6/27/2019 09:09:56	0.0	0.0	0.1	0.0	
029	6/27/2019 09:10:56	0.0	0.0	0.1	0.0	
030	6/27/2019 09:11:56	0.0	0.0	0.0	0.0	
031	6/27/2019 09:12:56	0.0	0.0	0.0	0.0	
032	6/27/2019 09:13:56	0.0	0.0	0.0	0.0	
033	6/27/2019 09:14:56	0.0	0.0	0.1	0.0	
034	6/27/2019 09:15:56	0.0	0.0	0.0	0.0	

035	6/27/2019	09:16:56	0.0	0.0	0.1	0.0
036	6/27/2019	09:17:56	0.0	0.0	0.1	0.0
037	6/27/2019	09:18:56	0.0	0.0	0.1	0.1
038	6/27/2019	09:19:56	0.0	0.0	0.1	0.0
039	6/27/2019	09:20:56	0.0	0.1	0.1	0.1
040	6/27/2019	09:21:56	0.0	0.1	0.1	0.1
041	6/27/2019	09:22:56	0.0	0.1	0.1	0.0
042	6/27/2019	09:23:56	0.0	0.0	0.1	0.0
043	6/27/2019	09:24:56	0.0	0.0	0.1	0.0
044	6/27/2019	09:25:56	0.0	0.0	0.1	0.0
045	6/27/2019	09:26:56	0.0	0.0	0.1	0.0
046	6/27/2019	09:27:56	0.0	0.0	0.1	0.0
047	6/27/2019	09:28:56	0.0	0.1	0.2	0.1
048	6/27/2019	09:29:56	0.0	0.1	0.1	0.0
049	6/27/2019	09:30:56	0.0	0.0	0.1	0.0
050	6/27/2019	09:31:56	0.0	0.0	0.0	0.0
051	6/27/2019	09:32:56	0.0	0.0	0.1	0.0
052	6/27/2019	09:33:56	0.0	0.0	0.1	0.0
053	6/27/2019	09:34:56	0.0	0.0	0.1	0.0
054	6/27/2019	09:35:56	0.0	0.0	0.1	0.0
055	6/27/2019	09:36:56	0.0	0.0	0.1	0.0
056	6/27/2019	09:37:56	0.0	0.0	0.1	0.1
057	6/27/2019	09:38:56	0.0	0.0	0.1	0.0
058	6/27/2019	09:39:56	0.0	0.0	0.0	0.0
059	6/27/2019	09:40:56	0.0	0.0	0.0	0.0
060	6/27/2019	09:41:56	0.0	0.0	0.0	0.0
061	6/27/2019	09:42:56	0.0	0.0	0.1	0.1
062	6/27/2019	09:43:56	0.0	0.0	0.1	0.0
063	6/27/2019	09:44:56	0.0	0.0	0.1	0.1
064	6/27/2019	09:45:56	0.0	0.0	0.1	0.0
065	6/27/2019	09:46:56	0.0	0.0	0.0	0.0
066	6/27/2019	09:47:56	0.0	0.0	0.0	0.0
067	6/27/2019	09:48:56	0.0	0.0	0.1	0.0
068	6/27/2019	09:49:56	0.0	0.0	0.0	0.0
069	6/27/2019	09:50:56	0.0	0.0	0.0	0.0
070	6/27/2019	09:51:56	0.0	0.0	0.1	0.0
071	6/27/2019	09:52:56	0.0	0.0	0.0	0.0
072	6/27/2019	09:53:56	0.0	0.0	0.1	0.0
073	6/27/2019	09:54:56	0.0	0.0	0.0	0.0
074	6/27/2019	09:55:56	0.0	0.0	0.0	0.0
075	6/27/2019	09:56:56	0.0	0.0	0.1	0.0
076	6/27/2019	09:57:56	0.0	0.0	0.1	0.0
077	6/27/2019	09:58:56	0.0	0.0	0.1	0.0
078	6/27/2019	09:59:56	0.0	0.0	0.1	0.0
079	6/27/2019	10:00:56	0.0	0.0	0.0	0.0
080	6/27/2019	10:01:56	0.0	0.0	0.0	0.0
081	6/27/2019	10:02:56	0.0	0.0	0.1	0.1
082	6/27/2019	10:03:56	0.0	0.0	0.1	0.0
083	6/27/2019	10:04:56	0.0	0.0	0.0	0.0
084	6/27/2019	10:05:56	0.0	0.0	0.0	0.0

085	6/27/2019	10:06:56	0.0	0.0	0.0	0.0
086	6/27/2019	10:07:56	0.0	0.0	0.0	0.0
087	6/27/2019	10:08:56	0.0	0.0	0.0	0.0
088	6/27/2019	10:09:56	0.0	0.0	0.1	0.0
089	6/27/2019	10:10:56	0.0	0.0	0.0	0.0
090	6/27/2019	10:11:56	0.0	0.0	0.0	0.0
091	6/27/2019	10:12:56	0.0	0.0	0.1	0.0
092	6/27/2019	10:13:56	0.0	0.0	0.1	0.1
093	6/27/2019	10:14:56	0.0	0.0	0.1	0.0
094	6/27/2019	10:15:56	0.0	0.0	0.0	0.0
095	6/27/2019	10:16:56	0.0	0.0	0.0	0.0
096	6/27/2019	10:17:56	0.0	0.0	0.0	0.0
097	6/27/2019	10:18:56	0.0	0.0	0.0	0.0
098	6/27/2019	10:19:56	0.0	0.0	0.0	0.0
099	6/27/2019	10:20:56	0.0	0.0	0.0	0.0
100	6/27/2019	10:21:56	0.0	0.0	0.0	0.0
101	6/27/2019	10:22:56	0.0	0.0	0.0	0.0
102	6/27/2019	10:23:56	0.0	0.0	0.0	0.0
103	6/27/2019	10:24:56	0.0	0.0	0.0	0.0
104	6/27/2019	10:25:56	0.0	0.0	0.0	0.0
105	6/27/2019	10:26:56	0.0	0.0	0.0	0.0
106	6/27/2019	10:27:56	0.0	0.0	0.0	0.0
107	6/27/2019	10:28:56	0.0	0.0	0.0	0.0
108	6/27/2019	10:29:56	0.0	0.0	0.0	0.0
109	6/27/2019	10:30:56	0.0	0.0	0.0	0.0
110	6/27/2019	10:31:56	0.0	0.0	0.0	0.0
111	6/27/2019	10:32:56	0.0	0.0	0.0	0.0
112	6/27/2019	10:33:56	0.0	0.0	0.0	0.0
113	6/27/2019	10:34:56	0.0	0.0	0.0	0.0
114	6/27/2019	10:35:56	0.0	0.0	0.0	0.0
115	6/27/2019	10:36:56	0.0	0.0	0.0	0.0
116	6/27/2019	10:37:56	0.0	0.0	0.0	0.0
117	6/27/2019	10:38:56	0.0	0.0	0.1	0.0
118	6/27/2019	10:39:56	0.0	0.0	0.1	0.0
119	6/27/2019	10:40:56	0.0	0.0	0.1	0.0
120	6/27/2019	10:41:56	0.0	0.0	0.0	0.0
121	6/27/2019	10:42:56	0.0	0.0	0.1	0.0
122	6/27/2019	10:43:56	0.0	0.0	0.1	0.0
123	6/27/2019	10:44:56	0.0	0.0	0.1	0.1
124	6/27/2019	10:45:56	0.0	0.1	0.1	0.1
125	6/27/2019	10:46:56	0.0	0.1	0.1	0.1
126	6/27/2019	10:47:56	0.0	0.1	0.1	0.1
127	6/27/2019	10:48:56	0.1	0.1	0.1	0.1
128	6/27/2019	10:49:56	0.1	0.1	0.1	0.1
129	6/27/2019	10:50:56	0.1	0.1	0.3	0.1
130	6/27/2019	10:51:56	0.1	0.1	0.1	0.1
131	6/27/2019	10:52:56	0.1	0.1	0.1	0.1
132	6/27/2019	10:53:56	0.1	0.1	0.1	0.1
133	6/27/2019	10:54:56	0.1	0.1	0.1	0.1
134	6/27/2019	10:55:56	0.1	0.1	0.1	0.1

135	6/27/2019	10:56:56	0.1	0.1	0.1	0.1
136	6/27/2019	10:57:56	0.1	0.1	0.1	0.1
137	6/27/2019	10:58:56	0.1	0.1	0.1	0.1
138	6/27/2019	10:59:56	0.1	0.1	0.1	0.1
139	6/27/2019	11:00:56	0.1	0.1	0.1	0.1
140	6/27/2019	11:01:56	0.1	0.1	0.1	0.1
141	6/27/2019	11:02:56	0.1	0.1	0.1	0.1
142	6/27/2019	11:03:56	0.1	0.1	0.1	0.1
143	6/27/2019	11:04:56	0.1	0.1	0.1	0.1
144	6/27/2019	11:05:56	0.1	0.1	0.1	0.1
145	6/27/2019	11:06:56	0.1	0.1	0.1	0.1
146	6/27/2019	11:07:56	0.1	0.1	0.1	0.1
147	6/27/2019	11:08:56	0.1	0.1	0.1	0.1
148	6/27/2019	11:09:56	0.1	0.1	0.1	0.1
149	6/27/2019	11:10:56	0.1	0.1	0.1	0.1
150	6/27/2019	11:11:56	0.1	0.1	0.1	0.1
151	6/27/2019	11:12:56	0.1	0.1	0.1	0.1
152	6/27/2019	11:13:56	0.1	0.1	0.1	0.1
153	6/27/2019	11:14:56	0.1	0.1	0.1	0.1
154	6/27/2019	11:15:56	0.1	0.1	0.1	0.1
155	6/27/2019	11:16:56	0.1	0.1	0.1	0.1
156	6/27/2019	11:17:56	0.1	0.1	0.1	0.1
157	6/27/2019	11:18:56	0.1	0.1	0.1	0.1
158	6/27/2019	11:19:56	0.1	0.1	0.1	0.1
159	6/27/2019	11:20:56	0.1	0.1	0.1	0.1
160	6/27/2019	11:21:56	0.1	0.1	0.1	0.1
161	6/27/2019	11:22:56	0.1	0.1	0.1	0.1
162	6/27/2019	11:23:56	0.1	0.1	0.1	0.1
163	6/27/2019	11:24:56	0.1	0.1	0.1	0.1
164	6/27/2019	11:25:56	0.1	0.1	0.1	0.1
165	6/27/2019	11:26:56	0.1	0.1	0.1	0.1
166	6/27/2019	11:27:56	0.1	0.1	0.1	0.1
167	6/27/2019	11:28:56	0.1	0.1	0.1	0.1
168	6/27/2019	11:29:56	0.1	0.1	0.1	0.1
169	6/27/2019	11:30:56	0.1	0.1	0.1	0.1
170	6/27/2019	11:31:56	0.1	0.1	0.1	0.1
171	6/27/2019	11:32:56	0.1	0.1	0.1	0.1
172	6/27/2019	11:33:56	0.1	0.1	0.1	0.1
173	6/27/2019	11:34:56	0.1	0.1	0.1	0.1
174	6/27/2019	11:35:56	0.1	0.1	0.1	0.1
175	6/27/2019	11:36:56	0.1	0.1	0.1	0.1
176	6/27/2019	11:37:56	0.1	0.1	0.1	0.1
177	6/27/2019	11:38:56	0.1	0.1	0.1	0.1
178	6/27/2019	11:39:56	0.1	0.1	0.1	0.1
179	6/27/2019	11:40:56	0.1	0.1	0.1	0.1
180	6/27/2019	11:41:56	0.1	0.1	0.1	0.1
181	6/27/2019	11:42:56	0.1	0.1	0.1	0.1
182	6/27/2019	11:43:56	0.1	0.1	0.1	0.1
183	6/27/2019	11:44:56	0.1	0.1	0.1	0.1
184	6/27/2019	11:45:56	0.1	0.1	0.1	0.1

185	6/27/2019	11:46:56	0.1	0.1	0.1	0.1
186	6/27/2019	11:47:56	0.1	0.1	0.1	0.1
187	6/27/2019	11:48:56	0.1	0.1	0.1	0.1
188	6/27/2019	11:49:56	0.1	0.1	0.1	0.1
189	6/27/2019	11:50:56	0.1	0.1	0.1	0.1
190	6/27/2019	11:51:56	0.1	0.1	0.2	0.2
191	6/27/2019	11:52:56	0.1	0.1	0.1	0.1
192	6/27/2019	11:53:56	0.1	0.1	0.1	0.1
193	6/27/2019	11:54:56	0.1	0.1	0.1	0.1
194	6/27/2019	11:55:56	0.1	0.1	0.2	0.1
195	6/27/2019	11:56:56	0.1	0.1	0.1	0.1
196	6/27/2019	11:57:56	0.1	0.1	0.1	0.1
197	6/27/2019	11:58:56	0.1	0.1	0.2	0.1
198	6/27/2019	11:59:56	0.1	0.1	0.2	0.1
199	6/27/2019	12:00:56	0.1	0.1	0.2	0.1
200	6/27/2019	12:01:56	0.1	0.1	0.2	0.1
201	6/27/2019	12:02:56	0.1	0.1	0.2	0.2
202	6/27/2019	12:03:56	0.1	0.1	0.2	0.2
203	6/27/2019	12:04:56	0.1	0.1	0.2	0.1
204	6/27/2019	12:05:56	0.1	0.1	0.1	0.1
205	6/27/2019	12:06:56	0.1	0.1	0.1	0.1
206	6/27/2019	12:07:56	0.1	0.1	0.1	0.1
207	6/27/2019	12:08:56	0.1	0.1	0.1	0.1
208	6/27/2019	12:09:56	0.1	0.2	0.5	0.4
209	6/27/2019	12:10:56	0.1	0.2	0.3	0.1
210	6/27/2019	12:11:56	0.1	0.1	0.1	0.1
211	6/27/2019	12:12:56	0.1	0.1	0.1	0.1
212	6/27/2019	12:13:56	0.1	0.1	0.1	0.1
213	6/27/2019	12:14:56	0.1	0.1	0.1	0.1
214	6/27/2019	12:15:56	0.1	0.1	0.1	0.1
215	6/27/2019	12:16:56	0.1	0.1	0.1	0.1
216	6/27/2019	12:17:56	0.1	0.1	0.1	0.1
217	6/27/2019	12:18:56	0.1	0.1	0.1	0.1
218	6/27/2019	12:19:56	0.1	0.1	0.1	0.1
219	6/27/2019	12:20:56	0.1	0.1	0.1	0.1
220	6/27/2019	12:21:56	0.1	0.1	0.1	0.1
221	6/27/2019	12:22:56	0.1	0.1	0.1	0.1
222	6/27/2019	12:23:56	0.1	0.1	0.1	0.1
223	6/27/2019	12:24:56	0.1	0.1	0.1	0.1
224	6/27/2019	12:25:56	0.1	0.1	0.1	0.1
225	6/27/2019	12:26:56	0.1	0.1	0.1	0.1
226	6/27/2019	12:27:56	0.1	0.1	0.1	0.1
227	6/27/2019	12:28:56	0.1	0.1	0.1	0.1
228	6/27/2019	12:29:56	0.0	0.1	0.1	0.1
229	6/27/2019	12:30:56	0.1	0.1	0.1	0.1
230	6/27/2019	12:31:56	0.0	0.1	0.1	0.1
231	6/27/2019	12:32:56	0.1	0.1	0.1	0.1
232	6/27/2019	12:33:56	0.1	0.1	0.1	0.1
233	6/27/2019	12:34:56	0.1	0.1	0.1	0.1
234	6/27/2019	12:35:56	0.1	0.1	0.1	0.1

235	6/27/2019 12:36:56	0.1	0.1	0.1	0.1
236	6/27/2019 12:37:56	0.1	0.1	0.1	0.1
237	6/27/2019 12:38:56	0.1	0.1	0.1	0.1
238	6/27/2019 12:39:56	0.1	0.1	0.1	0.1
239	6/27/2019 12:40:56	0.0	0.1	0.1	0.1
240	6/27/2019 12:41:56	0.0	0.1	0.1	0.0
241	6/27/2019 12:42:56	0.0	0.1	0.1	0.1
242	6/27/2019 12:43:56	0.1	0.1	0.1	0.1
243	6/27/2019 12:44:56	0.1	0.1	0.1	0.1
244	6/27/2019 12:45:56	0.1	0.1	0.1	0.1
245	6/27/2019 12:46:56	0.1	0.1	0.1	0.1
246	6/27/2019 12:47:56	0.1	0.1	0.1	0.1
247	6/27/2019 12:48:56	0.1	0.1	0.1	0.1
248	6/27/2019 12:49:56	0.1	0.1	0.1	0.1
249	6/27/2019 12:50:56	0.1	0.1	0.1	0.1
250	6/27/2019 12:51:56	0.1	0.1	0.2	0.1
251	6/27/2019 12:52:56	0.1	0.1	0.1	0.1
252	6/27/2019 12:53:56	0.1	0.1	0.1	0.1
253	6/27/2019 12:54:56	0.0	0.1	0.1	0.1
254	6/27/2019 12:55:56	0.1	0.1	0.1	0.1
255	6/27/2019 12:56:56	0.1	0.1	0.1	0.1
256	6/27/2019 12:57:56	0.1	0.1	0.1	0.1
257	6/27/2019 12:58:56	0.1	0.1	0.1	0.1
258	6/27/2019 12:59:56	0.1	0.1	0.1	0.1
259	6/27/2019 13:00:56	0.1	0.1	0.1	0.1
260	6/27/2019 13:01:56	0.1	0.1	0.2	0.2
261	6/27/2019 13:02:56	0.0	0.1	0.2	0.1
262	6/27/2019 13:03:56	0.0	0.1	0.1	0.1
263	6/27/2019 13:04:56	0.1	0.1	0.1	0.1
264	6/27/2019 13:05:56	0.1	0.1	0.1	0.1
265	6/27/2019 13:06:56	0.1	0.1	0.1	0.1
266	6/27/2019 13:07:56	0.1	0.1	0.1	0.1
267	6/27/2019 13:08:56	0.1	0.1	0.1	0.1
268	6/27/2019 13:09:56	0.1	0.1	0.1	0.1
269	6/27/2019 13:10:56	0.1	0.1	0.1	0.1
270	6/27/2019 13:11:56	0.1	0.1	0.1	0.1
271	6/27/2019 13:12:56	0.1	0.1	0.1	0.1
Peak		0.1	0.2	0.5	0.4
Min		0.0	0.0	0.0	0.0
Average		0.1	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/27/2019 08:42:56	0.0	---
002	6/27/2019 08:43:56	0.0	---
003	6/27/2019 08:44:56	0.0	---
004	6/27/2019 08:45:56	0.0	---
005	6/27/2019 08:46:56	0.0	---

006	6/27/2019 08:47:56	0.0	---
007	6/27/2019 08:48:56	0.0	---
008	6/27/2019 08:49:56	0.0	---
009	6/27/2019 08:50:56	0.0	---
010	6/27/2019 08:51:56	0.0	---
011	6/27/2019 08:52:56	0.0	---
012	6/27/2019 08:53:56	0.0	---
013	6/27/2019 08:54:56	0.0	---
014	6/27/2019 08:55:56	0.0	---
015	6/27/2019 08:56:56	0.0	0.0
016	6/27/2019 08:57:56	0.0	0.0
017	6/27/2019 08:58:56	0.0	0.0
018	6/27/2019 08:59:56	0.0	0.0
019	6/27/2019 09:00:56	0.0	0.0
020	6/27/2019 09:01:56	0.0	0.0
021	6/27/2019 09:02:56	0.0	0.0
022	6/27/2019 09:03:56	0.0	0.0
023	6/27/2019 09:04:56	0.0	0.0
024	6/27/2019 09:05:56	0.0	0.0
025	6/27/2019 09:06:56	0.0	0.0
026	6/27/2019 09:07:56	0.0	0.0
027	6/27/2019 09:08:56	0.0	0.0
028	6/27/2019 09:09:56	0.0	0.0
029	6/27/2019 09:10:56	0.0	0.0
030	6/27/2019 09:11:56	0.0	0.0
031	6/27/2019 09:12:56	0.0	0.0
032	6/27/2019 09:13:56	0.0	0.0
033	6/27/2019 09:14:56	0.0	0.0
034	6/27/2019 09:15:56	0.0	0.0
035	6/27/2019 09:16:56	0.0	0.0
036	6/27/2019 09:17:56	0.0	0.0
037	6/27/2019 09:18:56	0.0	0.0
038	6/27/2019 09:19:56	0.0	0.0
039	6/27/2019 09:20:56	0.0	0.0
040	6/27/2019 09:21:56	0.0	0.0
041	6/27/2019 09:22:56	0.0	0.0
042	6/27/2019 09:23:56	0.0	0.0
043	6/27/2019 09:24:56	0.0	0.0
044	6/27/2019 09:25:56	0.0	0.0
045	6/27/2019 09:26:56	0.0	0.0
046	6/27/2019 09:27:56	0.0	0.0
047	6/27/2019 09:28:56	0.0	0.0
048	6/27/2019 09:29:56	0.0	0.0
049	6/27/2019 09:30:56	0.0	0.0
050	6/27/2019 09:31:56	0.0	0.0
051	6/27/2019 09:32:56	0.0	0.0
052	6/27/2019 09:33:56	0.0	0.0
053	6/27/2019 09:34:56	0.0	0.0
054	6/27/2019 09:35:56	0.0	0.0
055	6/27/2019 09:36:56	0.0	0.0

056	6/27/2019 09:37:56	0.0	0.0
057	6/27/2019 09:38:56	0.0	0.0
058	6/27/2019 09:39:56	0.0	0.0
059	6/27/2019 09:40:56	0.0	0.0
060	6/27/2019 09:41:56	0.0	0.0
061	6/27/2019 09:42:56	0.0	0.0
062	6/27/2019 09:43:56	0.0	0.0
063	6/27/2019 09:44:56	0.0	0.0
064	6/27/2019 09:45:56	0.0	0.0
065	6/27/2019 09:46:56	0.0	0.0
066	6/27/2019 09:47:56	0.0	0.0
067	6/27/2019 09:48:56	0.0	0.0
068	6/27/2019 09:49:56	0.0	0.0
069	6/27/2019 09:50:56	0.0	0.0
070	6/27/2019 09:51:56	0.0	0.0
071	6/27/2019 09:52:56	0.0	0.0
072	6/27/2019 09:53:56	0.0	0.0
073	6/27/2019 09:54:56	0.0	0.0
074	6/27/2019 09:55:56	0.0	0.0
075	6/27/2019 09:56:56	0.0	0.0
076	6/27/2019 09:57:56	0.0	0.0
077	6/27/2019 09:58:56	0.0	0.0
078	6/27/2019 09:59:56	0.0	0.0
079	6/27/2019 10:00:56	0.0	0.0
080	6/27/2019 10:01:56	0.0	0.0
081	6/27/2019 10:02:56	0.0	0.0
082	6/27/2019 10:03:56	0.0	0.0
083	6/27/2019 10:04:56	0.0	0.0
084	6/27/2019 10:05:56	0.0	0.0
085	6/27/2019 10:06:56	0.0	0.0
086	6/27/2019 10:07:56	0.0	0.0
087	6/27/2019 10:08:56	0.0	0.0
088	6/27/2019 10:09:56	0.0	0.0
089	6/27/2019 10:10:56	0.0	0.0
090	6/27/2019 10:11:56	0.0	0.0
091	6/27/2019 10:12:56	0.0	0.0
092	6/27/2019 10:13:56	0.0	0.0
093	6/27/2019 10:14:56	0.0	0.0
094	6/27/2019 10:15:56	0.0	0.0
095	6/27/2019 10:16:56	0.0	0.0
096	6/27/2019 10:17:56	0.0	0.0
097	6/27/2019 10:18:56	0.0	0.0
098	6/27/2019 10:19:56	0.0	0.0
099	6/27/2019 10:20:56	0.0	0.0
100	6/27/2019 10:21:56	0.0	0.0
101	6/27/2019 10:22:56	0.0	0.0
102	6/27/2019 10:23:56	0.0	0.0
103	6/27/2019 10:24:56	0.0	0.0
104	6/27/2019 10:25:56	0.0	0.0
105	6/27/2019 10:26:56	0.0	0.0

106	6/27/2019 10:27:56	0.0	0.0
107	6/27/2019 10:28:56	0.0	0.0
108	6/27/2019 10:29:56	0.0	0.0
109	6/27/2019 10:30:56	0.0	0.0
110	6/27/2019 10:31:56	0.0	0.0
111	6/27/2019 10:32:56	0.0	0.0
112	6/27/2019 10:33:56	0.0	0.0
113	6/27/2019 10:34:56	0.0	0.0
114	6/27/2019 10:35:56	0.0	0.0
115	6/27/2019 10:36:56	0.0	0.0
116	6/27/2019 10:37:56	0.0	0.0
117	6/27/2019 10:38:56	0.0	0.0
118	6/27/2019 10:39:56	0.0	0.0
119	6/27/2019 10:40:56	0.0	0.0
120	6/27/2019 10:41:56	0.0	0.0
121	6/27/2019 10:42:56	0.0	0.0
122	6/27/2019 10:43:56	0.0	0.0
123	6/27/2019 10:44:56	0.0	0.0
124	6/27/2019 10:45:56	0.0	0.0
125	6/27/2019 10:46:56	0.0	0.0
126	6/27/2019 10:47:56	0.0	0.0
127	6/27/2019 10:48:56	0.0	0.0
128	6/27/2019 10:49:56	0.0	0.0
129	6/27/2019 10:50:56	0.0	0.0
130	6/27/2019 10:51:56	0.0	0.1
131	6/27/2019 10:52:56	0.0	0.1
132	6/27/2019 10:53:56	0.0	0.1
133	6/27/2019 10:54:56	0.0	0.1
134	6/27/2019 10:55:56	0.0	0.1
135	6/27/2019 10:56:56	0.0	0.1
136	6/27/2019 10:57:56	0.0	0.1
137	6/27/2019 10:58:56	0.0	0.1
138	6/27/2019 10:59:56	0.0	0.1
139	6/27/2019 11:00:56	0.0	0.1
140	6/27/2019 11:01:56	0.0	0.1
141	6/27/2019 11:02:56	0.0	0.1
142	6/27/2019 11:03:56	0.0	0.1
143	6/27/2019 11:04:56	0.0	0.1
144	6/27/2019 11:05:56	0.0	0.1
145	6/27/2019 11:06:56	0.0	0.1
146	6/27/2019 11:07:56	0.0	0.1
147	6/27/2019 11:08:56	0.0	0.1
148	6/27/2019 11:09:56	0.0	0.1
149	6/27/2019 11:10:56	0.0	0.1
150	6/27/2019 11:11:56	0.0	0.1
151	6/27/2019 11:12:56	0.0	0.1
152	6/27/2019 11:13:56	0.0	0.1
153	6/27/2019 11:14:56	0.0	0.1
154	6/27/2019 11:15:56	0.0	0.1
155	6/27/2019 11:16:56	0.0	0.1

156	6/27/2019 11:17:56	0.0	0.1
157	6/27/2019 11:18:56	0.0	0.1
158	6/27/2019 11:19:56	0.0	0.1
159	6/27/2019 11:20:56	0.0	0.1
160	6/27/2019 11:21:56	0.0	0.1
161	6/27/2019 11:22:56	0.0	0.1
162	6/27/2019 11:23:56	0.0	0.1
163	6/27/2019 11:24:56	0.0	0.1
164	6/27/2019 11:25:56	0.0	0.1
165	6/27/2019 11:26:56	0.0	0.1
166	6/27/2019 11:27:56	0.0	0.1
167	6/27/2019 11:28:56	0.0	0.1
168	6/27/2019 11:29:56	0.0	0.1
169	6/27/2019 11:30:56	0.0	0.1
170	6/27/2019 11:31:56	0.0	0.1
171	6/27/2019 11:32:56	0.0	0.1
172	6/27/2019 11:33:56	0.0	0.1
173	6/27/2019 11:34:56	0.0	0.1
174	6/27/2019 11:35:56	0.0	0.1
175	6/27/2019 11:36:56	0.0	0.1
176	6/27/2019 11:37:56	0.0	0.1
177	6/27/2019 11:38:56	0.0	0.1
178	6/27/2019 11:39:56	0.0	0.1
179	6/27/2019 11:40:56	0.0	0.1
180	6/27/2019 11:41:56	0.0	0.1
181	6/27/2019 11:42:56	0.0	0.1
182	6/27/2019 11:43:56	0.0	0.1
183	6/27/2019 11:44:56	0.0	0.1
184	6/27/2019 11:45:56	0.0	0.1
185	6/27/2019 11:46:56	0.0	0.1
186	6/27/2019 11:47:56	0.0	0.1
187	6/27/2019 11:48:56	0.0	0.1
188	6/27/2019 11:49:56	0.0	0.1
189	6/27/2019 11:50:56	0.0	0.1
190	6/27/2019 11:51:56	0.0	0.1
191	6/27/2019 11:52:56	0.0	0.1
192	6/27/2019 11:53:56	0.0	0.1
193	6/27/2019 11:54:56	0.0	0.1
194	6/27/2019 11:55:56	0.0	0.1
195	6/27/2019 11:56:56	0.0	0.1
196	6/27/2019 11:57:56	0.0	0.1
197	6/27/2019 11:58:56	0.0	0.1
198	6/27/2019 11:59:56	0.0	0.1
199	6/27/2019 12:00:56	0.0	0.1
200	6/27/2019 12:01:56	0.0	0.1
201	6/27/2019 12:02:56	0.0	0.1
202	6/27/2019 12:03:56	0.0	0.1
203	6/27/2019 12:04:56	0.0	0.1
204	6/27/2019 12:05:56	0.0	0.1
205	6/27/2019 12:06:56	0.0	0.1

206	6/27/2019 12:07:56	0.0	0.1
207	6/27/2019 12:08:56	0.0	0.1
208	6/27/2019 12:09:56	0.0	0.1
209	6/27/2019 12:10:56	0.0	0.1
210	6/27/2019 12:11:56	0.0	0.1
211	6/27/2019 12:12:56	0.0	0.1
212	6/27/2019 12:13:56	0.0	0.1
213	6/27/2019 12:14:56	0.0	0.1
214	6/27/2019 12:15:56	0.0	0.1
215	6/27/2019 12:16:56	0.0	0.1
216	6/27/2019 12:17:56	0.0	0.1
217	6/27/2019 12:18:56	0.0	0.1
218	6/27/2019 12:19:56	0.0	0.1
219	6/27/2019 12:20:56	0.0	0.1
220	6/27/2019 12:21:56	0.0	0.1
221	6/27/2019 12:22:56	0.0	0.1
222	6/27/2019 12:23:56	0.0	0.1
223	6/27/2019 12:24:56	0.0	0.1
224	6/27/2019 12:25:56	0.0	0.1
225	6/27/2019 12:26:56	0.0	0.1
226	6/27/2019 12:27:56	0.0	0.1
227	6/27/2019 12:28:56	0.0	0.1
228	6/27/2019 12:29:56	0.0	0.1
229	6/27/2019 12:30:56	0.0	0.1
230	6/27/2019 12:31:56	0.0	0.1
231	6/27/2019 12:32:56	0.0	0.1
232	6/27/2019 12:33:56	0.0	0.1
233	6/27/2019 12:34:56	0.0	0.1
234	6/27/2019 12:35:56	0.0	0.1
235	6/27/2019 12:36:56	0.0	0.1
236	6/27/2019 12:37:56	0.0	0.1
237	6/27/2019 12:38:56	0.0	0.1
238	6/27/2019 12:39:56	0.0	0.1
239	6/27/2019 12:40:56	0.0	0.1
240	6/27/2019 12:41:56	0.0	0.1
241	6/27/2019 12:42:56	0.0	0.1
242	6/27/2019 12:43:56	0.0	0.1
243	6/27/2019 12:44:56	0.0	0.1
244	6/27/2019 12:45:56	0.0	0.1
245	6/27/2019 12:46:56	0.0	0.1
246	6/27/2019 12:47:56	0.0	0.1
247	6/27/2019 12:48:56	0.0	0.1
248	6/27/2019 12:49:56	0.0	0.1
249	6/27/2019 12:50:56	0.0	0.1
250	6/27/2019 12:51:56	0.0	0.1
251	6/27/2019 12:52:56	0.0	0.1
252	6/27/2019 12:53:56	0.0	0.1
253	6/27/2019 12:54:56	0.0	0.1
254	6/27/2019 12:55:56	0.0	0.1
255	6/27/2019 12:56:56	0.0	0.1

256	6/27/2019 12:57:56	0.0	0.1
257	6/27/2019 12:58:56	0.0	0.1
258	6/27/2019 12:59:56	0.0	0.1
259	6/27/2019 13:00:56	0.0	0.1
260	6/27/2019 13:01:56	0.0	0.1
261	6/27/2019 13:02:56	0.0	0.1
262	6/27/2019 13:03:56	0.0	0.1
263	6/27/2019 13:04:56	0.0	0.1
264	6/27/2019 13:05:56	0.0	0.1
265	6/27/2019 13:06:56	0.0	0.1
266	6/27/2019 13:07:56	0.0	0.1
267	6/27/2019 13:08:56	0.0	0.1
268	6/27/2019 13:09:56	0.0	0.1
269	6/27/2019 13:10:56	0.0	0.1
270	6/27/2019 13:11:56	0.0	0.1
271	6/27/2019 13:12:56	0.0	0.1

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_001
Test Start Time	8:25:15 AM
Test Start Date	3/27/2019
Test Length [D:H:M]	0:06:46
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.001
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.014
Mass TWA [mg/m3]	0.001
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	406

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.001		
120	0.001		
180	0.001		
240	0		
300	0.005		
360	0		
420	0		
480	0		
540	0		
600	0		
660	0		
720	0		
780	0		
840	0		
900	0		
960	0		
1020	0		
1080	0		
1140	0		
1200	0		
1260	0		
1320	0		
1380	0		
1440	0		
1500	0		
1560	0.004		
1620	0		

1680	0
1740	0
1800	0
1860	0
1920	0
1980	0.002
2040	0
2100	0
2160	0
2220	0
2280	0
2340	0.001
2400	0.013
2460	0.014
2520	0.002
2580	0.005
2640	0.002
2700	0
2760	0
2820	0
2880	0
2940	0
3000	0.001
3060	0.005
3120	0.003
3180	0
3240	0.002
3300	0.008
3360	0.004
3420	0
3480	0
3540	0
3600	0
3660	0.001
3720	0
3780	0
3840	0.001
3900	0
3960	0.001
4020	0
4080	0
4140	0
4200	0
4260	0
4320	0
4380	0
4440	0

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

7320	0
7380	0
7440	0
7500	0
7560	0
7620	0
7680	0
7740	0
7800	0
7860	0
7920	0
7980	0
8040	0
8100	0.001
8160	0.003
8220	0.003
8280	0.001
8340	0
8400	0
8460	0.001
8520	0
8580	0.003
8640	0.003
8700	0
8760	0
8820	0.001
8880	0
8940	0.001
9000	0.002
9060	0.003
9120	0.003
9180	0.001
9240	0
9300	0
9360	0
9420	0
9480	0
9540	0.002
9600	0
9660	0
9720	0
9780	0
9840	0
9900	0
9960	0
10020	0
10080	0.001

10140	0.005
10200	0.007
10260	0.002
10320	0.001
10380	0
10440	0
10500	0.002
10560	0.001
10620	0
10680	0
10740	0
10800	0
10860	0
10920	0
10980	0
11040	0
11100	0
11160	0.001
11220	0
11280	0
11340	0
11400	0
11460	0
11520	0
11580	0.001
11640	0.001
11700	0.001
11760	0
11820	0
11880	0
11940	0
12000	0
12060	0
12120	0
12180	0
12240	0
12300	0
12360	0
12420	0
12480	0
12540	0
12600	0
12660	0
12720	0
12780	0.001
12840	0
12900	0

12960	0
13020	0
13080	0
13140	0
13200	0
13260	0
13320	0
13380	0
13440	0
13500	0.001
13560	0.002
13620	0.002
13680	0
13740	0
13800	0
13860	0
13920	0
13980	0
14040	0
14100	0
14160	0
14220	0
14280	0.001
14340	0
14400	0
14460	0
14520	0
14580	0
14640	0
14700	0
14760	0
14820	0
14880	0
14940	0
15000	0
15060	0
15120	0
15180	0
15240	0
15300	0.01
15360	0
15420	0
15480	0
15540	0
15600	0
15660	0
15720	0

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

18600	0.014
18660	0
18720	0
18780	0.004
18840	0
18900	0
18960	0
19020	0
19080	0
19140	0
19200	0
19260	0
19320	0
19380	0
19440	0
19500	0
19560	0.001
19620	0.001
19680	0
19740	0.003
19800	0.001
19860	0
19920	0
19980	0
20040	0.006
20100	0.001
20160	0
20220	0
20280	0.001
20340	0
20400	0.001
20460	0
20520	0
20580	0
20640	0
20700	0
20760	0
20820	0
20880	0
20940	0
21000	0.001
21060	0.006
21120	0.004
21180	0.003
21240	0.007
21300	0
21360	0

21420	0.001
21480	0.001
21540	0
21600	0
21660	0.001
21720	0
21780	0
21840	0
21900	0
21960	0.001
22020	0.002
22080	0.001
22140	0.001
22200	0
22260	0
22320	0
22380	0.006
22440	0.002
22500	0.001
22560	0.007
22620	0.011
22680	0.011
22740	0.009
22800	0.001
22860	0.001
22920	0
22980	0.001
23040	0.001
23100	0.001
23160	0
23220	0.001
23280	0
23340	0.001
23400	0.001
23460	0.001
23520	0
23580	0
23640	0
23700	0.001
23760	0.001
23820	0.001
23880	0.003
23940	0.004
24000	0.006
24060	0.001
24120	0.001
24180	0.003

24240	0.004
24300	0.005
24360	0.006

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_002
Test Start Time	8:20:49 AM
Test Start Date	3/28/2019
Test Length [D:H:M]	0:00:01
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.009
Mass Minimum [mg/m3]	0.009
Mass Maximum [mg/m3]	0.009
Mass TWA [mg/m3]	0
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	1

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.009		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_003
Test Start Time	11:41:08 AM
Test Start Date	3/28/2019
Test Length [D:H:M]	0:01:35
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.002
Mass Minimum [mg/m3]	-0.005
Mass Maximum [mg/m3]	0.034
Mass TWA [mg/m3]	0
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	95

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	-0.002		
120	-0.003		
180	-0.003		
240	-0.003		
300	-0.003		
360	-0.005		
420	-0.005		
480	-0.005		
540	-0.004		
600	-0.003		
660	-0.001		
720	0		
780	-0.005		
840	-0.004		
900	-0.004		
960	-0.003		
1020	-0.004		
1080	-0.004		
1140	-0.004		
1200	-0.004		
1260	-0.003		
1320	-0.001		
1380	-0.003		
1440	-0.004		
1500	-0.005		
1560	-0.005		
1620	-0.005		

1680	-0.004
1740	-0.005
1800	-0.005
1860	-0.004
1920	-0.005
1980	-0.005
2040	-0.004
2100	-0.002
2160	-0.004
2220	-0.005
2280	-0.005
2340	-0.001
2400	-0.004
2460	-0.004
2520	-0.004
2580	-0.002
2640	-0.004
2700	-0.003
2760	-0.003
2820	-0.003
2880	-0.003
2940	-0.004
3000	-0.004
3060	-0.003
3120	-0.004
3180	-0.003
3240	-0.001
3300	-0.003
3360	-0.001
3420	-0.002
3480	-0.001
3540	-0.001
3600	-0.002
3660	-0.001
3720	-0.002
3780	-0.003
3840	-0.002
3900	0
3960	0
4020	-0.001
4080	0.003
4140	0
4200	-0.002
4260	-0.002
4320	-0.001
4380	-0.001
4440	-0.001

4500	-0.002
4560	-0.002
4620	0
4680	-0.001
4740	0.001
4800	-0.001
4860	-0.001
4920	0
4980	0
5040	-0.001
5100	0.003
5160	0.034
5220	0.003
5280	-0.001
5340	-0.001
5400	-0.001
5460	-0.001
5520	0
5580	0
5640	-0.001
5700	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_004
Test Start Time	8:04:42 AM
Test Start Date	3/29/2019
Test Length [D:H:M]	0:05:26
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	-0.003
Mass Maximum [mg/m3]	0.035
Mass TWA [mg/m3]	0.003
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	326

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.008		
120	0		
180	0.003		
240	0.003		
300	0		
360	0		
420	0.001		
480	0.002		
540	0		
600	0.001		
660	0.001		
720	0		
780	0		
840	-0.001		
900	-0.001		
960	-0.001		
1020	-0.001		
1080	-0.001		
1140	0		
1200	0		
1260	0		
1320	0		
1380	0		
1440	-0.003		
1500	-0.002		
1560	-0.001		
1620	0		

1680	0.005
1740	0.007
1800	0.003
1860	0.001
1920	0
1980	0
2040	0
2100	0
2160	0
2220	0.001
2280	0.001
2340	0.002
2400	0.015
2460	0.004
2520	0.001
2580	0
2640	0.003
2700	0.002
2760	0.002
2820	0.003
2880	0.003
2940	0.001
3000	0.001
3060	0
3120	0
3180	0
3240	-0.001
3300	-0.001
3360	0
3420	-0.001
3480	0
3540	0
3600	0
3660	0.001
3720	0.001
3780	0
3840	0
3900	0
3960	-0.001
4020	-0.002
4080	-0.001
4140	0.002
4200	0
4260	0
4320	0
4380	0.002
4440	0.004

4500	0.003
4560	0.001
4620	0
4680	0
4740	0
4800	0
4860	0
4920	0
4980	0
5040	0
5100	0
5160	0
5220	-0.001
5280	0
5340	0
5400	0
5460	0
5520	0
5580	0
5640	0
5700	-0.001
5760	-0.002
5820	-0.002
5880	0
5940	0
6000	0
6060	0.001
6120	0.002
6180	0.002
6240	0.002
6300	0.003
6360	0.001
6420	0.003
6480	0.002
6540	0.003
6600	0.003
6660	0.014
6720	0.011
6780	0.004
6840	0.001
6900	0
6960	0
7020	0
7080	0.005
7140	0.003
7200	0.002
7260	0

7320	0
7380	0.006
7440	0.006
7500	0.004
7560	0.005
7620	0.004
7680	0.007
7740	0.006
7800	0.01
7860	0.001
7920	0
7980	0
8040	0.001
8100	0.003
8160	0.018
8220	0.016
8280	0.004
8340	0.001
8400	0.002
8460	0.001
8520	0.004
8580	0.001
8640	0.009
8700	0.002
8760	0.004
8820	0.001
8880	0
8940	0.007
9000	0.008
9060	0.001
9120	0.002
9180	0.008
9240	0.01
9300	0.002
9360	0
9420	0
9480	0
9540	0
9600	0.001
9660	0.003
9720	0.003
9780	0.001
9840	0.008
9900	0.012
9960	0.007
10020	0.01
10080	0.009

10140	0.006
10200	0.005
10260	0.007
10320	0.003
10380	0.004
10440	0.007
10500	0.009
10560	0.009
10620	0.003
10680	0.004
10740	0.009
10800	0.006
10860	0.01
10920	0.006
10980	0.003
11040	0.007
11100	0.01
11160	0.01
11220	0.007
11280	0.007
11340	0.017
11400	0.024
11460	0.009
11520	0.005
11580	0.017
11640	0.023
11700	0.014
11760	0.018
11820	0.008
11880	0.002
11940	0
12000	0.001
12060	0.003
12120	0.018
12180	0.014
12240	0.022
12300	0.016
12360	0.009
12420	0.01
12480	0.01
12540	0.013
12600	0.01
12660	0.012
12720	0.008
12780	0.023
12840	0.026
12900	0.035

12960	0.013
13020	0.01
13080	0.004
13140	0.004
13200	0.006
13260	0.009
13320	0.004
13380	0.013
13440	0.003
13500	0.004
13560	0.004
13620	0.004
13680	0.017
13740	0.007
13800	0.002
13860	0.002
13920	0.004
13980	0.009
14040	0.022
14100	0.005
14160	0.008
14220	0.009
14280	0.003
14340	0
14400	0
14460	0
14520	0
14580	0
14640	0
14700	0.001
14760	0.002
14820	0.011
14880	0.005
14940	0.004
15000	0.003
15060	0.005
15120	0.01
15180	0.007
15240	0.012
15300	0.004
15360	0.004
15420	0.002
15480	0.005
15540	0.006
15600	0.007
15660	0.006
15720	0.011

15780	0.007
15840	0.003
15900	0.004
15960	0.002
16020	0.002
16080	0.002
16140	0.002
16200	0.004
16260	0.003
16320	0.001
16380	0.002
16440	0.004
16500	0.004
16560	0.008
16620	0.01
16680	0.016
16740	0.025
16800	0.027
16860	0.024
16920	0.025
16980	0.011
17040	0.003
17100	0.003
17160	0.004
17220	0.007
17280	0.008
17340	0.013
17400	0.016
17460	0.019
17520	0.02
17580	0.021
17640	0.017
17700	0.016
17760	0.009
17820	0.009
17880	0.011
17940	0.004
18000	0.003
18060	0.004
18120	0.004
18180	0.003
18240	0.002
18300	0.004
18360	0.007
18420	0.007
18480	0.01
18540	0.009

18600	0.006
18660	0.005
18720	0.004
18780	0.006
18840	0.005
18900	0.005
18960	0.002
19020	0.001
19080	0.004
19140	0.005
19200	0.003
19260	0.001
19320	0
19380	0
19440	0.008
19500	0.007
19560	0.01

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_005
Test Start Time	8:00:44 AM
Test Start Date	4/1/2019
Test Length [D:H:M]	0:07:30
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.002
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.028
Mass TWA [mg/m3]	0.002
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	450

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.017		
120	0		
180	0.001		
240	0.002		
300	0		
360	0.006		
420	0.001		
480	0		
540	0		
600	0.01		
660	0.005		
720	0.003		
780	0.003		
840	0.002		
900	0		
960	0.001		
1020	0.004		
1080	0.005		
1140	0.005		
1200	0.006		
1260	0.008		
1320	0.005		
1380	0.001		
1440	0.008		
1500	0.007		
1560	0.004		
1620	0.001		

1680	0.014
1740	0.023
1800	0.009
1860	0.001
1920	0.001
1980	0.003
2040	0.012
2100	0.001
2160	0
2220	0.001
2280	0.002
2340	0.001
2400	0.003
2460	0.002
2520	0.013
2580	0.006
2640	0.005
2700	0.002
2760	0.004
2820	0.003
2880	0.014
2940	0.005
3000	0.001
3060	0.005
3120	0.012
3180	0.002
3240	0.001
3300	0
3360	0
3420	0.001
3480	0.001
3540	0.001
3600	0.002
3660	0.001
3720	0.004
3780	0.001
3840	0
3900	0.001
3960	0
4020	0.002
4080	0
4140	0.001
4200	0.003
4260	0.006
4320	0.002
4380	0.004
4440	0.014

4500	0.004
4560	0.003
4620	0
4680	0
4740	0
4800	0
4860	0
4920	0
4980	0
5040	0
5100	0
5160	0
5220	0
5280	0
5340	0
5400	0
5460	0
5520	0
5580	0
5640	0
5700	0
5760	0
5820	0
5880	0
5940	0
6000	0.001
6060	0
6120	0.002
6180	0.007
6240	0.006
6300	0.028
6360	0.01
6420	0.001
6480	0.007
6540	0.002
6600	0
6660	0.002
6720	0.001
6780	0.004
6840	0.001
6900	0
6960	0
7020	0.003
7080	0
7140	0.003
7200	0.001
7260	0.006

7320	0
7380	0
7440	0.012
7500	0
7560	0.008
7620	0.001
7680	0
7740	0
7800	0
7860	0
7920	0
7980	0
8040	0.003
8100	0.001
8160	0
8220	0
8280	0.004
8340	0
8400	0
8460	0.003
8520	0
8580	0.001
8640	0.001
8700	0.001
8760	0.001
8820	0.015
8880	0.007
8940	0
9000	0.005
9060	0.004
9120	0
9180	0
9240	0.007
9300	0
9360	0.016
9420	0.001
9480	0.006
9540	0.004
9600	0.005
9660	0.004
9720	0.002
9780	0.009
9840	0.002
9900	0.002
9960	0
10020	0
10080	0.001

10140	0
10200	0.001
10260	0
10320	0.001
10380	0.003
10440	0.001
10500	0.003
10560	0.002
10620	0.001
10680	0.002
10740	0
10800	0.003
10860	0.004
10920	0.007
10980	0.013
11040	0.001
11100	0.01
11160	0.001
11220	0.002
11280	0.001
11340	0
11400	0
11460	0
11520	0
11580	0.001
11640	0
11700	0
11760	0
11820	0
11880	0.001
11940	0
12000	0.002
12060	0
12120	0
12180	0.001
12240	0.001
12300	0
12360	0
12420	0
12480	0
12540	0.002
12600	0.001
12660	0
12720	0
12780	0.003
12840	0
12900	0

12960	0
13020	0
13080	0
13140	0.008
13200	0.001
13260	0.001
13320	0.008
13380	0.009
13440	0.003
13500	0
13560	0
13620	0.001
13680	0.001
13740	0.001
13800	0.001
13860	0
13920	0
13980	0.001
14040	0.002
14100	0.001
14160	0
14220	0.001
14280	0
14340	0
14400	0
14460	0.001
14520	0
14580	0.001
14640	0.001
14700	0.019
14760	0.002
14820	0
14880	0
14940	0
15000	0.002
15060	0
15120	0
15180	0.001
15240	0
15300	0
15360	0
15420	0
15480	0
15540	0
15600	0
15660	0
15720	0

15780	0
15840	0
15900	0
15960	0
16020	0
16080	0.001
16140	0
16200	0.007
16260	0
16320	0
16380	0
16440	0
16500	0
16560	0
16620	0
16680	0
16740	0
16800	0
16860	0
16920	0.001
16980	0
17040	0
17100	0
17160	0
17220	0
17280	0
17340	0
17400	0
17460	0.001
17520	0.002
17580	0.001
17640	0.001
17700	0.002
17760	0.001
17820	0
17880	0
17940	0
18000	0.001
18060	0
18120	0.001
18180	0.001
18240	0.001
18300	0
18360	0.001
18420	0.001
18480	0
18540	0

18600	0.001
18660	0.001
18720	0.001
18780	0.003
18840	0.006
18900	0.004
18960	0.006
19020	0.003
19080	0.001
19140	0.004
19200	0.003
19260	0.001
19320	0.001
19380	0.001
19440	0.001
19500	0.002
19560	0.001
19620	0.001
19680	0.005
19740	0.001
19800	0
19860	0.001
19920	0.001
19980	0.001
20040	0
20100	0.001
20160	0.001
20220	0.001
20280	0
20340	0.001
20400	0.002
20460	0.005
20520	0.002
20580	0.003
20640	0.001
20700	0.002
20760	0.001
20820	0.001
20880	0.001
20940	0
21000	0.001
21060	0.001
21120	0
21180	0
21240	0
21300	0.001
21360	0.003

21420	0.001
21480	0
21540	0
21600	0
21660	0.005
21720	0.002
21780	0
21840	0
21900	0
21960	0
22020	0.007
22080	0.003
22140	0
22200	0.001
22260	0
22320	0
22380	0.001
22440	0.001
22500	0
22560	0
22620	0.001
22680	0.005
22740	0.001
22800	0.001
22860	0
22920	0.01
22980	0.001
23040	0.001
23100	0.001
23160	0
23220	0
23280	0.001
23340	0.001
23400	0
23460	0
23520	0.001
23580	0
23640	0.003
23700	0
23760	0.001
23820	0.001
23880	0.006
23940	0.003
24000	0.004
24060	0.002
24120	0.001
24180	0.016

24240	0
24300	0
24360	0
24420	0.001
24480	0
24540	0
24600	0.001
24660	0.004
24720	0.003
24780	0.003
24840	0
24900	0
24960	0
25020	0
25080	0
25140	0.001
25200	0
25260	0.001
25320	0.002
25380	0.001
25440	0.004
25500	0.004
25560	0.008
25620	0.006
25680	0.005
25740	0.005
25800	0.005
25860	0.002
25920	0
25980	0.003
26040	0.003
26100	0
26160	0.001
26220	0
26280	0
26340	0
26400	0.001
26460	0.001
26520	0.004
26580	0.006
26640	0.001
26700	0.005
26760	0
26820	0
26880	0
26940	0
27000	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_006
Test Start Time	9:16:25 AM
Test Start Date	4/2/2019
Test Length [D:H:M]	0:05:29
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.01
Mass Minimum [mg/m3]	-0.015
Mass Maximum [mg/m3]	0.053
Mass TWA [mg/m3]	-0.007
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	329

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0		
120	-0.004		
180	-0.006		
240	-0.007		
300	-0.006		
360	-0.006		
420	-0.005		
480	-0.006		
540	-0.001		
600	0.001		
660	-0.005		
720	-0.007		
780	-0.008		
840	-0.008		
900	-0.008		
960	-0.008		
1020	-0.007		
1080	-0.007		
1140	-0.007		
1200	-0.008		
1260	-0.009		
1320	-0.009		
1380	-0.009		
1440	-0.008		
1500	-0.006		
1560	-0.008		
1620	-0.007		

1680	-0.006
1740	-0.007
1800	-0.005
1860	-0.005
1920	-0.006
1980	-0.007
2040	-0.007
2100	-0.006
2160	-0.007
2220	-0.008
2280	-0.006
2340	-0.004
2400	-0.008
2460	-0.008
2520	-0.008
2580	-0.007
2640	-0.008
2700	-0.009
2760	-0.009
2820	-0.01
2880	-0.011
2940	-0.01
3000	-0.012
3060	-0.011
3120	-0.01
3180	-0.008
3240	-0.011
3300	-0.012
3360	-0.012
3420	-0.011
3480	-0.008
3540	-0.01
3600	-0.009
3660	-0.011
3720	-0.011
3780	-0.01
3840	-0.011
3900	-0.01
3960	-0.01
4020	-0.011
4080	-0.011
4140	-0.011
4200	-0.012
4260	-0.012
4320	-0.012
4380	-0.009
4440	-0.011

4500	-0.011
4560	-0.012
4620	-0.012
4680	-0.01
4740	-0.009
4800	-0.005
4860	-0.008
4920	-0.011
4980	-0.011
5040	-0.012
5100	-0.011
5160	-0.01
5220	-0.008
5280	-0.011
5340	-0.011
5400	-0.009
5460	-0.007
5520	-0.01
5580	-0.009
5640	-0.01
5700	-0.01
5760	-0.01
5820	-0.011
5880	-0.011
5940	-0.011
6000	-0.011
6060	-0.009
6120	-0.011
6180	-0.011
6240	-0.012
6300	-0.011
6360	-0.011
6420	-0.011
6480	-0.012
6540	-0.012
6600	-0.012
6660	-0.01
6720	-0.009
6780	-0.01
6840	-0.011
6900	-0.011
6960	-0.01
7020	-0.01
7080	-0.01
7140	-0.011
7200	-0.011
7260	-0.009

7320	-0.01
7380	-0.011
7440	-0.011
7500	-0.007
7560	-0.008
7620	-0.01
7680	-0.01
7740	-0.011
7800	-0.01
7860	-0.01
7920	-0.011
7980	-0.011
8040	-0.011
8100	-0.011
8160	-0.011
8220	-0.011
8280	-0.01
8340	-0.011
8400	-0.011
8460	-0.011
8520	-0.012
8580	-0.012
8640	-0.011
8700	-0.011
8760	-0.011
8820	-0.012
8880	-0.011
8940	-0.012
9000	-0.012
9060	-0.009
9120	-0.011
9180	-0.011
9240	-0.012
9300	-0.012
9360	-0.012
9420	-0.011
9480	-0.012
9540	-0.011
9600	-0.01
9660	-0.012
9720	-0.012
9780	-0.011
9840	-0.012
9900	-0.012
9960	-0.01
10020	-0.011
10080	-0.012

10140	-0.011
10200	-0.012
10260	-0.013
10320	-0.011
10380	-0.012
10440	-0.013
10500	-0.011
10560	-0.011
10620	-0.011
10680	-0.012
10740	-0.011
10800	-0.012
10860	-0.012
10920	-0.013
10980	-0.012
11040	-0.013
11100	-0.012
11160	-0.011
11220	-0.012
11280	-0.012
11340	-0.009
11400	-0.013
11460	-0.014
11520	-0.012
11580	-0.014
11640	-0.014
11700	-0.015
11760	-0.011
11820	-0.013
11880	-0.014
11940	-0.015
12000	-0.015
12060	-0.014
12120	-0.011
12180	-0.009
12240	-0.014
12300	-0.013
12360	-0.015
12420	-0.015
12480	-0.015
12540	-0.015
12600	-0.014
12660	-0.014
12720	-0.012
12780	-0.014
12840	-0.014
12900	-0.014

12960	-0.012
13020	-0.014
13080	-0.014
13140	-0.013
13200	-0.013
13260	-0.013
13320	-0.013
13380	-0.008
13440	-0.01
13500	-0.012
13560	-0.014
13620	-0.015
13680	-0.015
13740	-0.012
13800	-0.014
13860	-0.014
13920	-0.014
13980	-0.014
14040	-0.014
14100	-0.012
14160	-0.014
14220	-0.014
14280	-0.013
14340	-0.013
14400	-0.014
14460	-0.011
14520	-0.014
14580	-0.012
14640	-0.015
14700	-0.014
14760	-0.01
14820	-0.002
14880	-0.008
14940	-0.012
15000	-0.015
15060	-0.014
15120	-0.012
15180	-0.01
15240	-0.012
15300	-0.011
15360	-0.014
15420	-0.014
15480	-0.013
15540	-0.009
15600	-0.012
15660	-0.014
15720	-0.013

15780	-0.012
15840	-0.013
15900	-0.013
15960	-0.012
16020	-0.014
16080	-0.013
16140	-0.013
16200	-0.013
16260	-0.01
16320	0.008
16380	-0.012
16440	-0.012
16500	-0.013
16560	-0.013
16620	-0.013
16680	-0.013
16740	-0.013
16800	0.053
16860	-0.002
16920	-0.012
16980	-0.013
17040	-0.01
17100	-0.01
17160	-0.012
17220	-0.004
17280	-0.013
17340	-0.013
17400	-0.011
17460	-0.003
17520	-0.007
17580	-0.01
17640	-0.005
17700	-0.007
17760	-0.012
17820	-0.012
17880	-0.011
17940	-0.013
18000	-0.013
18060	-0.012
18120	-0.011
18180	-0.009
18240	-0.01
18300	-0.013
18360	-0.012
18420	-0.009
18480	-0.011
18540	-0.012

18600	-0.01
18660	-0.008
18720	-0.012
18780	-0.013
18840	-0.013
18900	-0.007
18960	-0.008
19020	-0.01
19080	-0.012
19140	-0.012
19200	-0.013
19260	-0.012
19320	-0.012
19380	-0.013
19440	-0.012
19500	-0.013
19560	-0.014
19620	-0.007
19680	-0.011
19740	-0.011

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_007
Test Start Time	3:57:56 PM
Test Start Date	4/4/2019
Test Length [D:H:M]	0:04:44
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	-0.004
Mass Maximum [mg/m3]	0.8
Mass TWA [mg/m3]	0.003
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	284

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.01		
120	0.002		
180	0		
240	0.002		
300	0.001		
360	0.005		
420	-0.001		
480	-0.001		
540	-0.002		
600	-0.002		
660	-0.002		
720	0		
780	0.8		
840	0.158		
900	0.109		
960	0.095		
1020	-0.001		
1080	0		
1140	-0.001		
1200	-0.002		
1260	0.032		
1320	0		
1380	0		
1440	0.007		
1500	0		
1560	0		
1620	-0.001		

1680	-0.002
1740	-0.002
1800	-0.001
1860	-0.003
1920	0
1980	-0.003
2040	-0.003
2100	0.016
2160	0
2220	-0.001
2280	-0.002
2340	0
2400	0.045
2460	0.015
2520	0.002
2580	-0.002
2640	-0.002
2700	-0.002
2760	-0.003
2820	-0.002
2880	-0.002
2940	-0.001
3000	-0.002
3060	0.013
3120	0.042
3180	0.041
3240	0.001
3300	-0.002
3360	0
3420	-0.002
3480	0.004
3540	0
3600	-0.001
3660	-0.002
3720	-0.001
3780	-0.002
3840	-0.001
3900	0.001
3960	-0.001
4020	0
4080	-0.001
4140	0.016
4200	-0.001
4260	-0.002
4320	0.003
4380	0
4440	0.016

4500	0.002
4560	0.005
4620	0
4680	0
4740	0.004
4800	-0.002
4860	-0.001
4920	-0.001
4980	-0.001
5040	-0.002
5100	0
5160	0
5220	-0.004
5280	0.008
5340	0.005
5400	0.058
5460	0.057
5520	0.045
5580	0.001
5640	-0.002
5700	0
5760	0.004
5820	-0.003
5880	-0.001
5940	0
6000	0
6060	-0.001
6120	-0.003
6180	-0.002
6240	-0.003
6300	-0.001
6360	0.056
6420	0.241
6480	0.001
6540	0.002
6600	0.001
6660	0.001
6720	-0.001
6780	0
6840	-0.002
6900	0
6960	-0.001
7020	-0.002
7080	-0.001
7140	-0.002
7200	-0.001
7260	-0.001

7320	-0.003
7380	-0.002
7440	-0.001
7500	-0.003
7560	-0.003
7620	-0.004
7680	-0.004
7740	-0.004
7800	-0.004
7860	-0.004
7920	-0.003
7980	-0.004
8040	-0.004
8100	-0.004
8160	-0.004
8220	-0.004
8280	-0.004
8340	-0.003
8400	-0.004
8460	-0.004
8520	-0.002
8580	0.002
8640	0.001
8700	-0.003
8760	-0.003
8820	-0.003
8880	-0.002
8940	-0.002
9000	-0.003
9060	-0.003
9120	-0.004
9180	-0.004
9240	-0.004
9300	-0.004
9360	-0.004
9420	-0.003
9480	-0.004
9540	-0.003
9600	-0.004
9660	-0.002
9720	-0.004
9780	-0.002
9840	-0.003
9900	0.003
9960	-0.001
10020	-0.001
10080	-0.001

10140	0
10200	-0.001
10260	-0.002
10320	-0.004
10380	-0.002
10440	-0.002
10500	-0.001
10560	0.001
10620	-0.004
10680	-0.004
10740	-0.004
10800	-0.004
10860	-0.004
10920	-0.004
10980	-0.004
11040	-0.004
11100	-0.003
11160	-0.004
11220	-0.002
11280	-0.004
11340	-0.002
11400	-0.004
11460	-0.003
11520	0
11580	0.004
11640	0.003
11700	0
11760	-0.004
11820	-0.002
11880	-0.003
11940	-0.002
12000	-0.002
12060	0
12120	-0.003
12180	-0.003
12240	0.003
12300	-0.002
12360	-0.001
12420	-0.003
12480	0
12540	-0.003
12600	-0.004
12660	-0.003
12720	-0.004
12780	-0.004
12840	-0.004
12900	0.023

12960	0.017
13020	-0.003
13080	0.032
13140	0.002
13200	-0.003
13260	-0.004
13320	-0.004
13380	-0.003
13440	-0.002
13500	-0.003
13560	-0.003
13620	-0.002
13680	-0.003
13740	-0.002
13800	-0.004
13860	-0.004
13920	-0.004
13980	-0.004
14040	-0.004
14100	-0.004
14160	-0.004
14220	-0.004
14280	-0.004
14340	-0.004
14400	-0.004
14460	-0.004
14520	-0.002
14580	0
14640	-0.003
14700	-0.003
14760	-0.002
14820	-0.002
14880	-0.002
14940	0.002
15000	-0.002
15060	-0.003
15120	-0.004
15180	-0.003
15240	-0.001
15300	-0.001
15360	-0.003
15420	-0.004
15480	-0.004
15540	-0.003
15600	0
15660	0.028
15720	0

15780	-0.001
15840	-0.003
15900	-0.003
15960	-0.003
16020	-0.004
16080	-0.004
16140	-0.004
16200	-0.004
16260	-0.004
16320	-0.004
16380	-0.004
16440	-0.004
16500	-0.004
16560	-0.004
16620	-0.004
16680	-0.004
16740	-0.004
16800	-0.004
16860	-0.003
16920	-0.004
16980	-0.004
17040	-0.004

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_008
Test Start Time	8:50:52 AM
Test Start Date	4/5/2019
Test Length [D:H:M]	0:05:10
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.013
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.123
Mass TWA [mg/m3]	0.008
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	310

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.018		
120	0.007		
180	0.009		
240	0.007		
300	0.009		
360	0.017		
420	0.008		
480	0.007		
540	0.007		
600	0.007		
660	0.008		
720	0.008		
780	0.008		
840	0.007		
900	0.007		
960	0.023		
1020	0.013		
1080	0.009		
1140	0.009		
1200	0.008		
1260	0.008		
1320	0.008		
1380	0.008		
1440	0.011		
1500	0.054		
1560	0.019		
1620	0.019		

1680	0.009
1740	0.009
1800	0.008
1860	0.008
1920	0.012
1980	0.01
2040	0.015
2100	0.02
2160	0.023
2220	0.017
2280	0.028
2340	0.035
2400	0.028
2460	0.023
2520	0.014
2580	0.026
2640	0.044
2700	0.015
2760	0.012
2820	0.009
2880	0.011
2940	0.012
3000	0.014
3060	0.008
3120	0.009
3180	0.008
3240	0.008
3300	0.008
3360	0.014
3420	0.011
3480	0.013
3540	0.011
3600	0.01
3660	0.009
3720	0.011
3780	0.009
3840	0.008
3900	0.008
3960	0.007
4020	0.013
4080	0.009
4140	0.012
4200	0.012
4260	0.008
4320	0.008
4380	0.012
4440	0.009

4500	0.021
4560	0.012
4620	0.009
4680	0.01
4740	0.007
4800	0.007
4860	0.007
4920	0.007
4980	0.007
5040	0.008
5100	0.008
5160	0.007
5220	0.008
5280	0.008
5340	0.008
5400	0.007
5460	0.009
5520	0.008
5580	0.008
5640	0.009
5700	0.008
5760	0.008
5820	0.008
5880	0.008
5940	0.008
6000	0.008
6060	0.007
6120	0.007
6180	0.007
6240	0.009
6300	0.009
6360	0.05
6420	0.016
6480	0.008
6540	0.008
6600	0.011
6660	0.023
6720	0.043
6780	0.035
6840	0.025
6900	0.019
6960	0.013
7020	0.01
7080	0.017
7140	0.011
7200	0.044
7260	0.034

7320	0.02
7380	0.011
7440	0.012
7500	0.011
7560	0.017
7620	0.01
7680	0.012
7740	0.015
7800	0.016
7860	0.009
7920	0.01
7980	0.01
8040	0.008
8100	0.013
8160	0.04
8220	0.019
8280	0.018
8340	0.011
8400	0.01
8460	0.01
8520	0.012
8580	0.01
8640	0.009
8700	0.009
8760	0.01
8820	0.011
8880	0.011
8940	0.01
9000	0.009
9060	0.008
9120	0.009
9180	0.013
9240	0.014
9300	0.01
9360	0.01
9420	0.011
9480	0.011
9540	0.01
9600	0.01
9660	0.011
9720	0.011
9780	0.009
9840	0.009
9900	0.01
9960	0.011
10020	0.01
10080	0.01

10140	0.01
10200	0.01
10260	0.01
10320	0.01
10380	0.01
10440	0.01
10500	0.009
10560	0.01
10620	0.009
10680	0.01
10740	0.011
10800	0.011
10860	0.01
10920	0.01
10980	0.01
11040	0.009
11100	0.009
11160	0.01
11220	0.009
11280	0.01
11340	0.009
11400	0.009
11460	0.009
11520	0.01
11580	0.01
11640	0.009
11700	0.009
11760	0.01
11820	0.01
11880	0.01
11940	0.009
12000	0.009
12060	0.009
12120	0.009
12180	0.01
12240	0.013
12300	0.012
12360	0.012
12420	0.01
12480	0.01
12540	0.01
12600	0.01
12660	0.01
12720	0.012
12780	0.012
12840	0.01
12900	0.011

12960	0.011
13020	0.01
13080	0.011
13140	0.011
13200	0.011
13260	0.01
13320	0.011
13380	0.013
13440	0.014
13500	0.036
13560	0.013
13620	0.012
13680	0.012
13740	0.012
13800	0.013
13860	0.012
13920	0.011
13980	0.012
14040	0.013
14100	0.012
14160	0.013
14220	0.012
14280	0.011
14340	0.012
14400	0.012
14460	0.012
14520	0.011
14580	0.011
14640	0.011
14700	0.012
14760	0.013
14820	0.015
14880	0.013
14940	0.013
15000	0.012
15060	0.012
15120	0.051
15180	0.014
15240	0.011
15300	0.011
15360	0.014
15420	0.011
15480	0.011
15540	0.011
15600	0.012
15660	0.012
15720	0.013

15780	0.014
15840	0.012
15900	0.013
15960	0.012
16020	0.013
16080	0.013
16140	0.012
16200	0.012
16260	0.012
16320	0.013
16380	0.013
16440	0.013
16500	0.013
16560	0.013
16620	0.014
16680	0.014
16740	0.013
16800	0.012
16860	0.012
16920	0.014
16980	0.013
17040	0.012
17100	0.012
17160	0.012
17220	0.012
17280	0.012
17340	0.013
17400	0.013
17460	0.013
17520	0.013
17580	0.013
17640	0.013
17700	0.013
17760	0.012
17820	0.012
17880	0.013
17940	0.013
18000	0.012
18060	0.011
18120	0.012
18180	0.123
18240	0.014
18300	0.012
18360	0.014
18420	0.014
18480	0.014
18540	0.012

18600	0.012

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_009
Test Start Time	8:36:34 AM
Test Start Date	4/8/2019
Test Length [D:H:M]	0:06:26
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.026
Mass Minimum [mg/m3]	-0.053
Mass Maximum [mg/m3]	0.01
Mass TWA [mg/m3]	-0.021
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	386

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.001		
120	0.005		
180	0.003		
240	0.003		
300	0.004		
360	0.002		
420	0.001		
480	0.004		
540	0.009		
600	0.009		
660	0.007		
720	0.005		
780	0.004		
840	0.004		
900	0.01		
960	0.004		
1020	0.004		
1080	0.004		
1140	0.005		
1200	0.006		
1260	0.003		
1320	0.001		
1380	0		
1440	-0.004		
1500	-0.01		
1560	-0.007		
1620	-0.003		

1680	-0.003
1740	-0.002
1800	-0.002
1860	-0.002
1920	-0.003
1980	-0.007
2040	-0.011
2100	-0.012
2160	-0.011
2220	-0.011
2280	-0.01
2340	-0.013
2400	-0.013
2460	-0.012
2520	-0.014
2580	-0.014
2640	-0.012
2700	-0.013
2760	-0.013
2820	-0.012
2880	-0.015
2940	-0.016
3000	-0.015
3060	-0.015
3120	-0.016
3180	-0.015
3240	-0.012
3300	-0.015
3360	-0.016
3420	-0.016
3480	-0.016
3540	-0.015
3600	-0.016
3660	-0.018
3720	-0.018
3780	-0.017
3840	-0.018
3900	-0.017
3960	-0.017
4020	-0.016
4080	-0.017
4140	-0.017
4200	-0.016
4260	-0.017
4320	-0.016
4380	-0.016
4440	-0.017

4500	-0.017
4560	-0.017
4620	-0.017
4680	-0.016
4740	-0.016
4800	-0.015
4860	-0.01
4920	-0.016
4980	-0.015
5040	-0.015
5100	-0.014
5160	-0.014
5220	-0.014
5280	-0.016
5340	-0.009
5400	-0.013
5460	-0.009
5520	-0.01
5580	-0.011
5640	-0.012
5700	-0.013
5760	-0.012
5820	-0.011
5880	-0.015
5940	-0.016
6000	-0.016
6060	-0.016
6120	-0.016
6180	-0.015
6240	-0.016
6300	-0.016
6360	-0.017
6420	-0.02
6480	-0.02
6540	-0.02
6600	-0.02
6660	-0.023
6720	-0.022
6780	-0.022
6840	-0.023
6900	-0.022
6960	-0.021
7020	-0.021
7080	-0.024
7140	-0.026
7200	-0.022
7260	-0.026

7320	-0.026
7380	-0.026
7440	-0.02
7500	-0.025
7560	-0.018
7620	-0.015
7680	-0.018
7740	-0.02
7800	-0.018
7860	-0.014
7920	-0.007
7980	-0.014
8040	-0.012
8100	-0.022
8160	-0.023
8220	-0.022
8280	-0.025
8340	-0.024
8400	-0.027
8460	-0.029
8520	-0.027
8580	-0.027
8640	-0.028
8700	-0.027
8760	-0.028
8820	-0.029
8880	-0.031
8940	-0.031
9000	-0.029
9060	-0.031
9120	-0.033
9180	-0.034
9240	-0.035
9300	-0.028
9360	-0.031
9420	-0.031
9480	-0.032
9540	-0.03
9600	-0.032
9660	-0.032
9720	-0.034
9780	-0.032
9840	-0.033
9900	-0.035
9960	-0.033
10020	-0.034
10080	-0.034

10140	-0.034
10200	-0.033
10260	-0.031
10320	-0.029
10380	-0.026
10440	-0.03
10500	-0.032
10560	-0.019
10620	-0.015
10680	-0.021
10740	-0.027
10800	-0.027
10860	-0.015
10920	-0.023
10980	-0.019
11040	-0.015
11100	-0.012
11160	-0.019
11220	-0.019
11280	-0.018
11340	-0.02
11400	-0.015
11460	-0.013
11520	-0.008
11580	0
11640	-0.005
11700	-0.007
11760	-0.013
11820	-0.01
11880	-0.007
11940	-0.016
12000	-0.018
12060	-0.016
12120	-0.021
12180	-0.026
12240	-0.023
12300	-0.023
12360	-0.026
12420	-0.025
12480	-0.03
12540	-0.028
12600	-0.03
12660	-0.031
12720	-0.031
12780	-0.024
12840	-0.024
12900	-0.023

12960	-0.024
13020	-0.022
13080	-0.023
13140	-0.021
13200	-0.024
13260	-0.027
13320	-0.026
13380	-0.03
13440	-0.033
13500	-0.032
13560	-0.032
13620	-0.024
13680	-0.026
13740	-0.028
13800	-0.026
13860	-0.028
13920	-0.032
13980	-0.032
14040	-0.031
14100	-0.028
14160	-0.026
14220	-0.019
14280	-0.026
14340	-0.025
14400	-0.023
14460	-0.018
14520	-0.018
14580	-0.019
14640	-0.019
14700	-0.02
14760	-0.02
14820	-0.021
14880	-0.023
14940	-0.023
15000	-0.024
15060	-0.024
15120	-0.024
15180	-0.02
15240	-0.021
15300	-0.023
15360	-0.024
15420	-0.024
15480	-0.022
15540	-0.024
15600	-0.025
15660	-0.025
15720	-0.027

15780	-0.028
15840	-0.028
15900	-0.027
15960	-0.026
16020	-0.025
16080	-0.028
16140	-0.03
16200	-0.029
16260	-0.032
16320	-0.038
16380	-0.034
16440	-0.03
16500	-0.032
16560	-0.029
16620	-0.029
16680	-0.031
16740	-0.032
16800	-0.031
16860	-0.035
16920	-0.032
16980	-0.034
17040	-0.034
17100	-0.035
17160	-0.037
17220	-0.039
17280	-0.039
17340	-0.037
17400	-0.036
17460	-0.043
17520	-0.04
17580	-0.041
17640	-0.044
17700	-0.046
17760	-0.046
17820	-0.045
17880	-0.043
17940	-0.045
18000	-0.045
18060	-0.046
18120	-0.045
18180	-0.044
18240	-0.039
18300	-0.044
18360	-0.045
18420	-0.045
18480	-0.045
18540	-0.042

18600	-0.043
18660	-0.044
18720	-0.046
18780	-0.047
18840	-0.046
18900	-0.046
18960	-0.044
19020	-0.046
19080	-0.048
19140	-0.048
19200	-0.048
19260	-0.048
19320	-0.047
19380	-0.043
19440	-0.047
19500	-0.041
19560	-0.043
19620	-0.047
19680	-0.048
19740	-0.048
19800	-0.042
19860	-0.047
19920	-0.047
19980	-0.046
20040	-0.046
20100	-0.046
20160	-0.047
20220	-0.047
20280	-0.046
20340	-0.05
20400	-0.049
20460	-0.04
20520	-0.046
20580	-0.042
20640	-0.043
20700	-0.046
20760	-0.048
20820	-0.05
20880	-0.052
20940	-0.052
21000	-0.05
21060	-0.048
21120	-0.047
21180	-0.049
21240	-0.05
21300	-0.051
21360	-0.051

21420	-0.048
21480	-0.049
21540	-0.049
21600	-0.049
21660	-0.05
21720	-0.051
21780	-0.051
21840	-0.05
21900	-0.052
21960	-0.052
22020	-0.052
22080	-0.052
22140	-0.053
22200	-0.052
22260	-0.053
22320	-0.053
22380	-0.053
22440	-0.052
22500	-0.052
22560	-0.053
22620	-0.049
22680	-0.052
22740	-0.052
22800	-0.052
22860	-0.051
22920	-0.052
22980	-0.051
23040	-0.052
23100	-0.051
23160	-0.052

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_010
Test Start Time	7:33:26 AM
Test Start Date	4/9/2019
Test Length [D:H:M]	0:07:27
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.046
Mass Minimum [mg/m3]	0.017
Mass Maximum [mg/m3]	0.388
Mass TWA [mg/m3]	0.043
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	447

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.038		
120	0.037		
180	0.035		
240	0.031		
300	0.033		
360	0.036		
420	0.033		
480	0.033		
540	0.03		
600	0.029		
660	0.03		
720	0.033		
780	0.035		
840	0.035		
900	0.038		
960	0.034		
1020	0.03		
1080	0.03		
1140	0.029		
1200	0.031		
1260	0.031		
1320	0.031		
1380	0.031		
1440	0.031		
1500	0.031		
1560	0.03		
1620	0.031		

1680	0.032
1740	0.031
1800	0.03
1860	0.03
1920	0.03
1980	0.031
2040	0.03
2100	0.03
2160	0.031
2220	0.031
2280	0.03
2340	0.029
2400	0.059
2460	0.04
2520	0.041
2580	0.033
2640	0.03
2700	0.029
2760	0.029
2820	0.029
2880	0.03
2940	0.03
3000	0.031
3060	0.031
3120	0.03
3180	0.032
3240	0.032
3300	0.031
3360	0.03
3420	0.039
3480	0.031
3540	0.03
3600	0.03
3660	0.032
3720	0.031
3780	0.031
3840	0.03
3900	0.03
3960	0.033
4020	0.035
4080	0.033
4140	0.033
4200	0.032
4260	0.032
4320	0.032
4380	0.032
4440	0.033

4500	0.033
4560	0.033
4620	0.033
4680	0.034
4740	0.035
4800	0.039
4860	0.037
4920	0.036
4980	0.036
5040	0.036
5100	0.035
5160	0.033
5220	0.034
5280	0.037
5340	0.036
5400	0.035
5460	0.033
5520	0.031
5580	0.03
5640	0.027
5700	0.027
5760	0.026
5820	0.025
5880	0.027
5940	0.026
6000	0.025
6060	0.026
6120	0.027
6180	0.027
6240	0.028
6300	0.029
6360	0.029
6420	0.03
6480	0.028
6540	0.027
6600	0.027
6660	0.026
6720	0.025
6780	0.026
6840	0.026
6900	0.022
6960	0.02
7020	0.02
7080	0.022
7140	0.019
7200	0.019
7260	0.019

7320	0.018
7380	0.019
7440	0.022
7500	0.023
7560	0.022
7620	0.022
7680	0.023
7740	0.024
7800	0.024
7860	0.023
7920	0.023
7980	0.023
8040	0.022
8100	0.021
8160	0.023
8220	0.022
8280	0.022
8340	0.022
8400	0.022
8460	0.022
8520	0.021
8580	0.02
8640	0.02
8700	0.021
8760	0.019
8820	0.03
8880	0.018
8940	0.017
9000	0.018
9060	0.018
9120	0.019
9180	0.018
9240	0.017
9300	0.017
9360	0.018
9420	0.018
9480	0.019
9540	0.019
9600	0.019
9660	0.02
9720	0.021
9780	0.021
9840	0.021
9900	0.025
9960	0.026
10020	0.025
10080	0.022

10140	0.022
10200	0.022
10260	0.022
10320	0.024
10380	0.026
10440	0.023
10500	0.022
10560	0.022
10620	0.022
10680	0.023
10740	0.026
10800	0.03
10860	0.023
10920	0.025
10980	0.025
11040	0.024
11100	0.023
11160	0.022
11220	0.022
11280	0.026
11340	0.023
11400	0.029
11460	0.027
11520	0.023
11580	0.024
11640	0.024
11700	0.025
11760	0.025
11820	0.024
11880	0.023
11940	0.024
12000	0.024
12060	0.024
12120	0.024
12180	0.024
12240	0.024
12300	0.025
12360	0.026
12420	0.026
12480	0.026
12540	0.026
12600	0.025
12660	0.027
12720	0.069
12780	0.036
12840	0.034
12900	0.045

12960	0.037
13020	0.049
13080	0.038
13140	0.049
13200	0.04
13260	0.03
13320	0.03
13380	0.029
13440	0.028
13500	0.029
13560	0.03
13620	0.029
13680	0.03
13740	0.031
13800	0.031
13860	0.037
13920	0.044
13980	0.037
14040	0.033
14100	0.032
14160	0.034
14220	0.033
14280	0.034
14340	0.033
14400	0.034
14460	0.033
14520	0.034
14580	0.035
14640	0.049
14700	0.067
14760	0.077
14820	0.087
14880	0.081
14940	0.079
15000	0.08
15060	0.073
15120	0.061
15180	0.053
15240	0.048
15300	0.045
15360	0.043
15420	0.042
15480	0.041
15540	0.04
15600	0.039
15660	0.038
15720	0.039

15780	0.038
15840	0.04
15900	0.04
15960	0.04
16020	0.042
16080	0.042
16140	0.042
16200	0.039
16260	0.041
16320	0.039
16380	0.04
16440	0.039
16500	0.041
16560	0.04
16620	0.04
16680	0.042
16740	0.039
16800	0.038
16860	0.042
16920	0.051
16980	0.05
17040	0.088
17100	0.221
17160	0.225
17220	0.229
17280	0.218
17340	0.233
17400	0.24
17460	0.228
17520	0.292
17580	0.25
17640	0.263
17700	0.274
17760	0.201
17820	0.145
17880	0.121
17940	0.141
18000	0.216
18060	0.277
18120	0.352
18180	0.388
18240	0.311
18300	0.164
18360	0.082
18420	0.063
18480	0.048
18540	0.048

18600	0.047
18660	0.043
18720	0.041
18780	0.04
18840	0.039
18900	0.04
18960	0.04
19020	0.042
19080	0.042
19140	0.041
19200	0.057
19260	0.059
19320	0.054
19380	0.049
19440	0.042
19500	0.048
19560	0.047
19620	0.048
19680	0.05
19740	0.057
19800	0.054
19860	0.066
19920	0.066
19980	0.055
20040	0.061
20100	0.045
20160	0.051
20220	0.055
20280	0.055
20340	0.049
20400	0.066
20460	0.055
20520	0.052
20580	0.053
20640	0.064
20700	0.067
20760	0.068
20820	0.06
20880	0.053
20940	0.053
21000	0.06
21060	0.067
21120	0.071
21180	0.08
21240	0.081
21300	0.07
21360	0.067

21420	0.065
21480	0.066
21540	0.076
21600	0.078
21660	0.08
21720	0.09
21780	0.087
21840	0.077
21900	0.056
21960	0.054
22020	0.055
22080	0.056
22140	0.055
22200	0.055
22260	0.055
22320	0.052
22380	0.051
22440	0.05
22500	0.052
22560	0.052
22620	0.052
22680	0.051
22740	0.051
22800	0.05
22860	0.051
22920	0.052
22980	0.052
23040	0.051
23100	0.052
23160	0.06
23220	0.057
23280	0.053
23340	0.052
23400	0.05
23460	0.05
23520	0.049
23580	0.049
23640	0.049
23700	0.049
23760	0.048
23820	0.047
23880	0.047
23940	0.047
24000	0.046
24060	0.046
24120	0.044
24180	0.043

24240	0.042
24300	0.042
24360	0.054
24420	0.043
24480	0.04
24540	0.038
24600	0.035
24660	0.036
24720	0.036
24780	0.034
24840	0.034
24900	0.032
24960	0.033
25020	0.033
25080	0.033
25140	0.033
25200	0.032
25260	0.032
25320	0.031
25380	0.031
25440	0.032
25500	0.03
25560	0.033
25620	0.03
25680	0.029
25740	0.028
25800	0.029
25860	0.027
25920	0.027
25980	0.028
26040	0.031
26100	0.028
26160	0.027
26220	0.028
26280	0.026
26340	0.025
26400	0.024
26460	0.025
26520	0.03
26580	0.026
26640	0.023
26700	0.024
26760	0.026
26820	0.024

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_011
Test Start Time	7:45:59 AM
Test Start Date	4/10/2019
Test Length [D:H:M]	0:07:15
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.003
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.063
Mass TWA [mg/m3]	0.003
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	435

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.006		
120	0.005		
180	0.004		
240	0.005		
300	0.005		
360	0.004		
420	0.005		
480	0.005		
540	0.004		
600	0.004		
660	0.005		
720	0.005		
780	0.006		
840	0.004		
900	0.004		
960	0.007		
1020	0.008		
1080	0.005		
1140	0.005		
1200	0.008		
1260	0.004		
1320	0.006		
1380	0.006		
1440	0.004		
1500	0.003		
1560	0.004		
1620	0.004		

1680	0.003
1740	0.045
1800	0.053
1860	0.016
1920	0.005
1980	0.015
2040	0.013
2100	0.016
2160	0.014
2220	0.018
2280	0.032
2340	0.063
2400	0.01
2460	0.014
2520	0.022
2580	0.007
2640	0.003
2700	0.003
2760	0.003
2820	0.003
2880	0.004
2940	0.004
3000	0.011
3060	0.007
3120	0.003
3180	0.003
3240	0.003
3300	0.004
3360	0.007
3420	0.006
3480	0.004
3540	0.005
3600	0.004
3660	0.004
3720	0.005
3780	0.003
3840	0.003
3900	0.004
3960	0.004
4020	0.008
4080	0.002
4140	0.003
4200	0.002
4260	0.002
4320	0.001
4380	0.002
4440	0.002

4500	0.001
4560	0.001
4620	0.001
4680	0.001
4740	0.001
4800	0.01
4860	0.003
4920	0.002
4980	0.001
5040	0.001
5100	0.001
5160	0.002
5220	0.004
5280	0.002
5340	0.001
5400	0.001
5460	0.001
5520	0.005
5580	0.008
5640	0.002
5700	0.001
5760	0.001
5820	0.002
5880	0.002
5940	0.001
6000	0.001
6060	0.002
6120	0.001
6180	0.001
6240	0.002
6300	0.002
6360	0.001
6420	0.001
6480	0.003
6540	0.002
6600	0.001
6660	0.001
6720	0.001
6780	0.001
6840	0.001
6900	0.001
6960	0.002
7020	0.002
7080	0.002
7140	0.002
7200	0.001
7260	0.002

7320	0.001
7380	0.001
7440	0.001
7500	0.002
7560	0.002
7620	0.001
7680	0.002
7740	0.001
7800	0.001
7860	0.001
7920	0.001
7980	0.001
8040	0.001
8100	0.001
8160	0.005
8220	0.002
8280	0.002
8340	0.001
8400	0.001
8460	0.001
8520	0.001
8580	0.004
8640	0.004
8700	0.001
8760	0.001
8820	0.012
8880	0.005
8940	0.001
9000	0.001
9060	0.002
9120	0.001
9180	0.003
9240	0.001
9300	0.001
9360	0.001
9420	0.001
9480	0.001
9540	0.001
9600	0.001
9660	0.001
9720	0.001
9780	0.001
9840	0.003
9900	0.002
9960	0.001
10020	0.001
10080	0.001

10140	0.001
10200	0.001
10260	0.002
10320	0.003
10380	0.002
10440	0.003
10500	0.003
10560	0.001
10620	0.001
10680	0.001
10740	0.001
10800	0.002
10860	0.001
10920	0.002
10980	0.001
11040	0.002
11100	0.002
11160	0.002
11220	0.002
11280	0.001
11340	0.001
11400	0.001
11460	0.001
11520	0.001
11580	0.001
11640	0.001
11700	0.001
11760	0.001
11820	0.001
11880	0.001
11940	0.004
12000	0.002
12060	0.004
12120	0.002
12180	0
12240	0.001
12300	0.001
12360	0.001
12420	0.001
12480	0.001
12540	0
12600	0.001
12660	0
12720	0.001
12780	0
12840	0.001
12900	0.002

12960	0.001
13020	0
13080	0
13140	0
13200	0.001
13260	0.001
13320	0.002
13380	0.001
13440	0
13500	0
13560	0
13620	0
13680	0
13740	0.003
13800	0.001
13860	0.001
13920	0
13980	0.002
14040	0.006
14100	0.003
14160	0.003
14220	0.005
14280	0.003
14340	0.005
14400	0.003
14460	0.002
14520	0.001
14580	0.001
14640	0.001
14700	0
14760	0
14820	0.001
14880	0.002
14940	0
15000	0
15060	0
15120	0
15180	0
15240	0
15300	0
15360	0
15420	0
15480	0.001
15540	0.002
15600	0.001
15660	0.005
15720	0.002

15780	0
15840	0
15900	0
15960	0
16020	0.002
16080	0.001
16140	0
16200	0.002
16260	0.002
16320	0
16380	0
16440	0
16500	0
16560	0
16620	0
16680	0
16740	0
16800	0
16860	0.001
16920	0.001
16980	0.004
17040	0.002
17100	0.001
17160	0
17220	0
17280	0.001
17340	0.001
17400	0.002
17460	0.001
17520	0
17580	0
17640	0
17700	0
17760	0
17820	0
17880	0.001
17940	0.001
18000	0.001
18060	0.001
18120	0.001
18180	0.001
18240	0.001
18300	0.001
18360	0
18420	0.001
18480	0.001
18540	0.002

18600	0.001
18660	0
18720	0
18780	0
18840	0
18900	0
18960	0.002
19020	0.002
19080	0.001
19140	0.001
19200	0.001
19260	0.001
19320	0.011
19380	0.004
19440	0.001
19500	0.002
19560	0.001
19620	0
19680	0
19740	0
19800	0
19860	0.002
19920	0.001
19980	0.003
20040	0.003
20100	0.001
20160	0.001
20220	0.007
20280	0.005
20340	0.003
20400	0.008
20460	0.002
20520	0.002
20580	0.001
20640	0.001
20700	0.002
20760	0.001
20820	0.002
20880	0.001
20940	0.001
21000	0.001
21060	0.002
21120	0.003
21180	0.001
21240	0.002
21300	0.001
21360	0.001

21420	0.003
21480	0.002
21540	0.003
21600	0.004
21660	0.005
21720	0.001
21780	0.001
21840	0.002
21900	0.002
21960	0.003
22020	0.003
22080	0.002
22140	0.001
22200	0.001
22260	0.001
22320	0.001
22380	0.001
22440	0.001
22500	0.001
22560	0.001
22620	0.002
22680	0.032
22740	0.002
22800	0.001
22860	0.001
22920	0.005
22980	0.001
23040	0.052
23100	0.002
23160	0.002
23220	0.004
23280	0.006
23340	0.002
23400	0.002
23460	0.001
23520	0.003
23580	0.005
23640	0.002
23700	0.001
23760	0.002
23820	0.001
23880	0.001
23940	0.001
24000	0.001
24060	0.002
24120	0.002
24180	0.002

24240	0.007
24300	0.003
24360	0.002
24420	0.005
24480	0.005
24540	0.002
24600	0.001
24660	0.001
24720	0.002
24780	0.001
24840	0.001
24900	0.001
24960	0.001
25020	0.003
25080	0.003
25140	0.002
25200	0.001
25260	0.001
25320	0.002
25380	0.005
25440	0.006
25500	0.001
25560	0.002
25620	0.001
25680	0.001
25740	0.001
25800	0.018
25860	0.004
25920	0.001
25980	0.002
26040	0.002
26100	0.005

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_012
Test Start Time	7:34:10 AM
Test Start Date	4/11/2019
Test Length [D:H:M]	0:07:33
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.036
Mass TWA [mg/m3]	0.006
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	453

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.011		
120	0.007		
180	0.006		
240	0.007		
300	0.007		
360	0.007		
420	0.006		
480	0.008		
540	0.006		
600	0.006		
660	0.006		
720	0.006		
780	0.008		
840	0.007		
900	0.006		
960	0.007		
1020	0.007		
1080	0.007		
1140	0.009		
1200	0.009		
1260	0.006		
1320	0.006		
1380	0.009		
1440	0.006		
1500	0.008		
1560	0.008		
1620	0.008		

1680	0.006
1740	0.007
1800	0.007
1860	0.013
1920	0.011
1980	0.011
2040	0.008
2100	0.007
2160	0.006
2220	0.008
2280	0.006
2340	0.008
2400	0.007
2460	0.007
2520	0.009
2580	0.006
2640	0.006
2700	0.009
2760	0.012
2820	0.006
2880	0.006
2940	0.006
3000	0.011
3060	0.007
3120	0.006
3180	0.007
3240	0.008
3300	0.007
3360	0.007
3420	0.008
3480	0.007
3540	0.006
3600	0.007
3660	0.006
3720	0.006
3780	0.007
3840	0.006
3900	0.007
3960	0.007
4020	0.008
4080	0.007
4140	0.008
4200	0.007
4260	0.007
4320	0.011
4380	0.006
4440	0.006

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

7320	0.008
7380	0.007
7440	0.008
7500	0.008
7560	0.005
7620	0.005
7680	0.006
7740	0.005
7800	0.005
7860	0.006
7920	0.008
7980	0.006
8040	0.006
8100	0.005
8160	0.006
8220	0.005
8280	0.005
8340	0.005
8400	0.005
8460	0.005
8520	0.006
8580	0.015
8640	0.006
8700	0.008
8760	0.007
8820	0.014
8880	0.007
8940	0.006
9000	0.006
9060	0.005
9120	0.006
9180	0.008
9240	0.006
9300	0.005
9360	0.006
9420	0.015
9480	0.017
9540	0.01
9600	0.006
9660	0.006
9720	0.011
9780	0.012
9840	0.006
9900	0.011
9960	0.006
10020	0.007
10080	0.015

10140	0.007
10200	0.012
10260	0.009
10320	0.007
10380	0.005
10440	0.01
10500	0.01
10560	0.005
10620	0.005
10680	0.006
10740	0.012
10800	0.012
10860	0.009
10920	0.006
10980	0.007
11040	0.006
11100	0.009
11160	0.012
11220	0.008
11280	0.01
11340	0.008
11400	0.006
11460	0.006
11520	0.006
11580	0.007
11640	0.006
11700	0.005
11760	0.007
11820	0.014
11880	0.01
11940	0.006
12000	0.007
12060	0.03
12120	0.01
12180	0.006
12240	0.006
12300	0.008
12360	0.007
12420	0.006
12480	0.009
12540	0.007
12600	0.006
12660	0.005
12720	0.004
12780	0.009
12840	0.013
12900	0.008

12960	0.006
13020	0.006
13080	0.008
13140	0.005
13200	0.005
13260	0.005
13320	0.005
13380	0.005
13440	0.011
13500	0.006
13560	0.005
13620	0.005
13680	0.005
13740	0.004
13800	0.005
13860	0.005
13920	0.005
13980	0.005
14040	0.005
14100	0.005
14160	0.006
14220	0.006
14280	0.004
14340	0.005
14400	0.005
14460	0.005
14520	0.005
14580	0.004
14640	0.005
14700	0.005
14760	0.004
14820	0.006
14880	0.005
14940	0.005
15000	0.005
15060	0.004
15120	0.004
15180	0.004
15240	0.004
15300	0.004
15360	0.004
15420	0.003
15480	0.006
15540	0.004
15600	0.007
15660	0.006
15720	0.003

15780	0.004
15840	0.004
15900	0.004
15960	0.004
16020	0.007
16080	0.005
16140	0.004
16200	0.005
16260	0.007
16320	0.008
16380	0.005
16440	0.008
16500	0.008
16560	0.004
16620	0.004
16680	0.005
16740	0.004
16800	0.004
16860	0.007
16920	0.006
16980	0.005
17040	0.004
17100	0.004
17160	0.004
17220	0.004
17280	0.004
17340	0.004
17400	0.004
17460	0.004
17520	0.004
17580	0.004
17640	0.004
17700	0.005
17760	0.004
17820	0.005
17880	0.004
17940	0.004
18000	0.004
18060	0.004
18120	0.004
18180	0.004
18240	0.004
18300	0.004
18360	0.004
18420	0.004
18480	0.004
18540	0.005

18600	0.005
18660	0.004
18720	0.005
18780	0.005
18840	0.004
18900	0.004
18960	0.005
19020	0.006
19080	0.004
19140	0.004
19200	0.004
19260	0.004
19320	0.005
19380	0.004
19440	0.005
19500	0.006
19560	0.006
19620	0.006
19680	0.004
19740	0.004
19800	0.004
19860	0.004
19920	0.004
19980	0.004
20040	0.007
20100	0.016
20160	0.008
20220	0.019
20280	0.005
20340	0.005
20400	0.005
20460	0.005
20520	0.006
20580	0.005
20640	0.006
20700	0.009
20760	0.005
20820	0.004
20880	0.005
20940	0.006
21000	0.008
21060	0.006
21120	0.005
21180	0.005
21240	0.005
21300	0.004
21360	0.004

21420	0.004
21480	0.005
21540	0.005
21600	0.007
21660	0.008
21720	0.007
21780	0.004
21840	0.005
21900	0.005
21960	0.005
22020	0.007
22080	0.007
22140	0.014
22200	0.005
22260	0.004
22320	0.005
22380	0.005
22440	0.005
22500	0.005
22560	0.008
22620	0.008
22680	0.01
22740	0.009
22800	0.006
22860	0.006
22920	0.005
22980	0.006
23040	0.007
23100	0.005
23160	0.006
23220	0.007
23280	0.005
23340	0.007
23400	0.006
23460	0.011
23520	0.036
23580	0.016
23640	0.009
23700	0.013
23760	0.007
23820	0.01
23880	0.007
23940	0.006
24000	0.004
24060	0.005
24120	0.005
24180	0.006

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

27060	0.004
27120	0.004
27180	0.014

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_013
Test Start Time	8:42:19 AM
Test Start Date	4/12/2019
Test Length [D:H:M]	0:02:58
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.189
Mass TWA [mg/m3]	0.005
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	178

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.011		
120	0.008		
180	0.011		
240	0.007		
300	0.009		
360	0.007		
420	0.009		
480	0.008		
540	0.007		
600	0.011		
660	0.012		
720	0.007		
780	0.008		
840	0.007		
900	0.007		
960	0.008		
1020	0.009		
1080	0.008		
1140	0.01		
1200	0.014		
1260	0.013		
1320	0.014		
1380	0.014		
1440	0.012		
1500	0.011		
1560	0.01		
1620	0.009		

1680	0.01
1740	0.011
1800	0.013
1860	0.011
1920	0.018
1980	0.014
2040	0.013
2100	0.02
2160	0.013
2220	0.031
2280	0.012
2340	0.01
2400	0.01
2460	0.01
2520	0.01
2580	0.009
2640	0.008
2700	0.008
2760	0.008
2820	0.008
2880	0.009
2940	0.009
3000	0.01
3060	0.009
3120	0.009
3180	0.009
3240	0.009
3300	0.008
3360	0.009
3420	0.009
3480	0.009
3540	0.009
3600	0.009
3660	0.009
3720	0.009
3780	0.009
3840	0.009
3900	0.01
3960	0.01
4020	0.009
4080	0.01
4140	0.01
4200	0.009
4260	0.01
4320	0.01
4380	0.01
4440	0.014

4500	0.014
4560	0.01
4620	0.009
4680	0.011
4740	0.009
4800	0.011
4860	0.01
4920	0.01
4980	0.01
5040	0.012
5100	0.015
5160	0.025
5220	0.014
5280	0.01
5340	0.011
5400	0.012
5460	0.011
5520	0.076
5580	0.011
5640	0.012
5700	0.01
5760	0.011
5820	0.011
5880	0.011
5940	0.011
6000	0.01
6060	0.01
6120	0.011
6180	0.011
6240	0.012
6300	0.011
6360	0.012
6420	0.011
6480	0.014
6540	0.015
6600	0.011
6660	0.012
6720	0.013
6780	0.011
6840	0.013
6900	0.011
6960	0.011
7020	0.011
7080	0.013
7140	0.013
7200	0.011
7260	0.011

7320	0.013
7380	0.013
7440	0.015
7500	0.014
7560	0.013
7620	0.012
7680	0.032
7740	0.022
7800	0.014
7860	0.013
7920	0.013
7980	0.013
8040	0.012
8100	0.013
8160	0.013
8220	0.014
8280	0.014
8340	0.014
8400	0.015
8460	0.016
8520	0.017
8580	0.014
8640	0.014
8700	0.017
8760	0.017
8820	0.017
8880	0.013
8940	0.014
9000	0.013
9060	0.016
9120	0.013
9180	0.014
9240	0.014
9300	0.015
9360	0.189
9420	0.062
9480	0.04
9540	0.016
9600	0.019
9660	0.014
9720	0.017
9780	0.039
9840	0.036
9900	0.017
9960	0.02
10020	0.024
10080	0.02

10140	0.018
10200	0.017
10260	0.016
10320	0.014
10380	0.016
10440	0.021
10500	0.024
10560	0.019
10620	0.016
10680	0.022

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_014
Test Start Time	8:08:03 AM
Test Start Date	4/15/2019
Test Length [D:H:M]	0:06:21
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.051
Mass TWA [mg/m3]	0.009
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	381

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.013		
120	0.019		
180	0.016		
240	0.013		
300	0.012		
360	0.01		
420	0.01		
480	0.014		
540	0.012		
600	0.013		
660	0.012		
720	0.008		
780	0.008		
840	0.008		
900	0.015		
960	0.018		
1020	0.016		
1080	0.016		
1140	0.015		
1200	0.017		
1260	0.017		
1320	0.015		
1380	0.012		
1440	0.018		
1500	0.012		
1560	0.011		
1620	0.011		

1680	0.011
1740	0.01
1800	0.011
1860	0.011
1920	0.011
1980	0.016
2040	0.018
2100	0.017
2160	0.015
2220	0.015
2280	0.013
2340	0.015
2400	0.014
2460	0.024
2520	0.017
2580	0.018
2640	0.018
2700	0.017
2760	0.017
2820	0.017
2880	0.019
2940	0.021
3000	0.016
3060	0.017
3120	0.016
3180	0.019
3240	0.017
3300	0.015
3360	0.013
3420	0.015
3480	0.019
3540	0.017
3600	0.017
3660	0.017
3720	0.018
3780	0.02
3840	0.018
3900	0.017
3960	0.02
4020	0.022
4080	0.02
4140	0.019
4200	0.019
4260	0.019
4320	0.018
4380	0.017
4440	0.016

4500	0.016
4560	0.015
4620	0.017
4680	0.016
4740	0.017
4800	0.018
4860	0.018
4920	0.018
4980	0.018
5040	0.019
5100	0.019
5160	0.021
5220	0.021
5280	0.021
5340	0.022
5400	0.022
5460	0.022
5520	0.023
5580	0.024
5640	0.028
5700	0.027
5760	0.026
5820	0.029
5880	0.025
5940	0.024
6000	0.025
6060	0.025
6120	0.026
6180	0.028
6240	0.028
6300	0.03
6360	0.029
6420	0.029
6480	0.039
6540	0.051
6600	0.047
6660	0.038
6720	0.032
6780	0.03
6840	0.033
6900	0.029
6960	0.028
7020	0.029
7080	0.03
7140	0.03
7200	0.031
7260	0.03

7320	0.027
7380	0.03
7440	0.032
7500	0.028
7560	0.027
7620	0.029
7680	0.028
7740	0.026
7800	0.023
7860	0.024
7920	0.024
7980	0.021
8040	0.02
8100	0.021
8160	0.021
8220	0.022
8280	0.021
8340	0.02
8400	0.02
8460	0.021
8520	0.019
8580	0.019
8640	0.016
8700	0.02
8760	0.025
8820	0.021
8880	0.018
8940	0.018
9000	0.029
9060	0.021
9120	0.02
9180	0.017
9240	0.015
9300	0.016
9360	0.017
9420	0.017
9480	0.018
9540	0.02
9600	0.026
9660	0.024
9720	0.02
9780	0.018
9840	0.019
9900	0.019
9960	0.02
10020	0.022
10080	0.023

10140	0.019
10200	0.017
10260	0.018
10320	0.019
10380	0.022
10440	0.02
10500	0.019
10560	0.012
10620	0.008
10680	0.008
10740	0.01
10800	0.009
10860	0.008
10920	0.015
10980	0.012
11040	0.008
11100	0.008
11160	0.009
11220	0.007
11280	0.01
11340	0.007
11400	0.006
11460	0.005
11520	0.005
11580	0.003
11640	0.005
11700	0.005
11760	0.005
11820	0.004
11880	0.004
11940	0.004
12000	0.004
12060	0.004
12120	0.004
12180	0.012
12240	0.008
12300	0.005
12360	0.004
12420	0.004
12480	0.005
12540	0.004
12600	0.004
12660	0.004
12720	0.004
12780	0.004
12840	0.006
12900	0.006

12960	0.005
13020	0.004
13080	0.004
13140	0.003
13200	0.004
13260	0.003
13320	0.003
13380	0.004
13440	0.005
13500	0.005
13560	0.006
13620	0.005
13680	0.004
13740	0.005
13800	0.006
13860	0.006
13920	0.007
13980	0.006
14040	0.005
14100	0.005
14160	0.005
14220	0.004
14280	0.006
14340	0.005
14400	0.004
14460	0.012
14520	0.004
14580	0.003
14640	0.004
14700	0.004
14760	0.004
14820	0.003
14880	0.004
14940	0.004
15000	0.004
15060	0.004
15120	0.004
15180	0.004
15240	0.004
15300	0.004
15360	0.004
15420	0.004
15480	0.004
15540	0.004
15600	0.004
15660	0.004
15720	0.004

15780	0.005
15840	0.005
15900	0.004
15960	0.006
16020	0.007
16080	0.005
16140	0.004
16200	0.004
16260	0.005
16320	0.006
16380	0.005
16440	0.005
16500	0.005
16560	0.005
16620	0.004
16680	0.005
16740	0.004
16800	0.005
16860	0.005
16920	0.005
16980	0.005
17040	0.005
17100	0.005
17160	0.005
17220	0.005
17280	0.005
17340	0.004
17400	0.004
17460	0.005
17520	0.004
17580	0.006
17640	0.006
17700	0.005
17760	0.005
17820	0.005
17880	0.004
17940	0.005
18000	0.005
18060	0.004
18120	0.005
18180	0.004
18240	0.004
18300	0.005
18360	0.009
18420	0.004
18480	0.004
18540	0.004

18600	0.004
18660	0.004
18720	0.005
18780	0.005
18840	0.004
18900	0.004
18960	0.003
19020	0.003
19080	0.004
19140	0.004
19200	0.004
19260	0.004
19320	0.005
19380	0.004
19440	0.005
19500	0.005
19560	0.005
19620	0.006
19680	0.005
19740	0.005
19800	0.005
19860	0.005
19920	0.006
19980	0.005
20040	0.005
20100	0.006
20160	0.005
20220	0.005
20280	0.005
20340	0.005
20400	0.005
20460	0.005
20520	0.005
20580	0.004
20640	0.004
20700	0.004
20760	0.004
20820	0.004
20880	0.004
20940	0.003
21000	0.004
21060	0.003
21120	0.003
21180	0.008
21240	0.004
21300	0.004
21360	0.004

21420	0.004
21480	0.003
21540	0.004
21600	0.006
21660	0.004
21720	0.003
21780	0.007
21840	0.006
21900	0.004
21960	0.003
22020	0.003
22080	0.005
22140	0.003
22200	0.005
22260	0.007
22320	0.004
22380	0.003
22440	0.003
22500	0.004
22560	0.003
22620	0.003
22680	0.002
22740	0.003
22800	0.002
22860	0.004

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_015
Test Start Time	7:43:44 AM
Test Start Date	4/16/2019
Test Length [D:H:M]	0:06:35
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.008
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.203
Mass TWA [mg/m3]	0.007
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	395

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.011		
120	0.003		
180	0.004		
240	0.005		
300	0.004		
360	0.008		
420	0.006		
480	0.004		
540	0.003		
600	0.004		
660	0.004		
720	0.005		
780	0.005		
840	0.003		
900	0.009		
960	0.006		
1020	0.005		
1080	0.004		
1140	0.003		
1200	0.005		
1260	0.009		
1320	0.007		
1380	0.005		
1440	0.008		
1500	0.007		
1560	0.004		
1620	0.004		

1680	0.004
1740	0.004
1800	0.004
1860	0.007
1920	0.004
1980	0.006
2040	0.006
2100	0.003
2160	0.004
2220	0.005
2280	0.004
2340	0.004
2400	0.003
2460	0.005
2520	0.004
2580	0.004
2640	0.007
2700	0.004
2760	0.003
2820	0.003
2880	0.004
2940	0.003
3000	0.004
3060	0.003
3120	0.003
3180	0.003
3240	0.003
3300	0.004
3360	0.003
3420	0.012
3480	0.006
3540	0.005
3600	0.004
3660	0.004
3720	0.005
3780	0.004
3840	0.004
3900	0.005
3960	0.004
4020	0.003
4080	0.004
4140	0.003
4200	0.004
4260	0.003
4320	0.004
4380	0.004
4440	0.004

4500	0.004
4560	0.005
4620	0.004
4680	0.004
4740	0.007
4800	0.013
4860	0.009
4920	0.006
4980	0.004
5040	0.005
5100	0.004
5160	0.004
5220	0.005
5280	0.004
5340	0.003
5400	0.003
5460	0.004
5520	0.005
5580	0.003
5640	0.003
5700	0.004
5760	0.004
5820	0.004
5880	0.004
5940	0.003
6000	0.003
6060	0.003
6120	0.003
6180	0.002
6240	0.003
6300	0.002
6360	0.003
6420	0.003
6480	0.003
6540	0.002
6600	0.003
6660	0.003
6720	0.005
6780	0.003
6840	0.004
6900	0.005
6960	0.002
7020	0.003
7080	0.006
7140	0.003
7200	0.003
7260	0.003

7320	0.003
7380	0.003
7440	0.002
7500	0.002
7560	0.002
7620	0.002
7680	0.003
7740	0.003
7800	0.003
7860	0.003
7920	0.007
7980	0.004
8040	0.006
8100	0.004
8160	0.003
8220	0.002
8280	0.003
8340	0.002
8400	0.002
8460	0.009
8520	0.203
8580	0.064
8640	0.054
8700	0.013
8760	0.02
8820	0.012
8880	0.012
8940	0.006
9000	0.009
9060	0.009
9120	0.007
9180	0.008
9240	0.006
9300	0.011
9360	0.008
9420	0.013
9480	0.005
9540	0.003
9600	0.004
9660	0.007
9720	0.007
9780	0.014
9840	0.02
9900	0.012
9960	0.009
10020	0.007
10080	0.006

10140	0.006
10200	0.003
10260	0.003
10320	0.011
10380	0.006
10440	0.01
10500	0.012
10560	0.008
10620	0.005
10680	0.007
10740	0.004
10800	0.015
10860	0.009
10920	0.004
10980	0.014
11040	0.015
11100	0.02
11160	0.011
11220	0.012
11280	0.008
11340	0.008
11400	0.01
11460	0.028
11520	0.016
11580	0.01
11640	0.008
11700	0.007
11760	0.008
11820	0.005
11880	0.004
11940	0.009
12000	0.005
12060	0.016
12120	0.004
12180	0.004
12240	0.003
12300	0.006
12360	0.008
12420	0.007
12480	0.02
12540	0.016
12600	0.015
12660	0.005
12720	0.01
12780	0.01
12840	0.015
12900	0.005

12960	0.008
13020	0.014
13080	0.016
13140	0.009
13200	0.006
13260	0.006
13320	0.004
13380	0.002
13440	0.01
13500	0.008
13560	0.006
13620	0.009
13680	0.013
13740	0.016
13800	0.009
13860	0.005
13920	0.005
13980	0.004
14040	0.005
14100	0.005
14160	0.006
14220	0.023
14280	0.009
14340	0.007
14400	0.01
14460	0.01
14520	0.009
14580	0.01
14640	0.027
14700	0.013
14760	0.002
14820	0.004
14880	0.002
14940	0.003
15000	0.003
15060	0.003
15120	0.003
15180	0.003
15240	0.002
15300	0.003
15360	0.003
15420	0.003
15480	0.009
15540	0.014
15600	0.006
15660	0.008
15720	0.004

15780	0.007
15840	0.003
15900	0.005
15960	0.003
16020	0.002
16080	0.002
16140	0.002
16200	0.005
16260	0.005
16320	0.01
16380	0.034
16440	0.008
16500	0.003
16560	0.005
16620	0.006
16680	0.003
16740	0.004
16800	0.006
16860	0.004
16920	0.007
16980	0.011
17040	0.012
17100	0.009
17160	0.009
17220	0.011
17280	0.012
17340	0.013
17400	0.009
17460	0.012
17520	0.011
17580	0.004
17640	0.009
17700	0.006
17760	0.006
17820	0.008
17880	0.004
17940	0.01
18000	0.018
18060	0.011
18120	0.005
18180	0.011
18240	0.015
18300	0.014
18360	0.012
18420	0.008
18480	0.009
18540	0.002

18600	0.006
18660	0.007
18720	0.022
18780	0.014
18840	0.011
18900	0.015
18960	0.02
19020	0.006
19080	0.021
19140	0.007
19200	0.006
19260	0.011
19320	0.008
19380	0.009
19440	0.014
19500	0.009
19560	0.018
19620	0.021
19680	0.015
19740	0.013
19800	0.011
19860	0.016
19920	0.007
19980	0.002
20040	0.002
20100	0.006
20160	0.004
20220	0.008
20280	0.004
20340	0.011
20400	0.008
20460	0.011
20520	0.016
20580	0.026
20640	0.007
20700	0.004
20760	0.002
20820	0.002
20880	0.003
20940	0.002
21000	0.002
21060	0.003
21120	0.004
21180	0.003
21240	0.005
21300	0.019
21360	0.023

21420	0.023
21480	0.03
21540	0.034
21600	0.016
21660	0.009
21720	0.005
21780	0.005
21840	0.006
21900	0.007
21960	0.014
22020	0.032
22080	0.018
22140	0.004
22200	0.014
22260	0.006
22320	0.003
22380	0.002
22440	0.002
22500	0.005
22560	0.003
22620	0.002
22680	0.01
22740	0.019
22800	0.022
22860	0.019
22920	0.003
22980	0.004
23040	0.006
23100	0.016
23160	0.018
23220	0.029
23280	0.018
23340	0.005
23400	0.011
23460	0.01
23520	0.012
23580	0.012
23640	0.009
23700	0.008

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_016
Test Start Time	8:17:54 AM
Test Start Date	4/17/2019
Test Length [D:H:M]	0:05:48
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.264
Mass TWA [mg/m3]	0.005
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	348

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.008		
120	0.005		
180	0.006		
240	0.007		
300	0.005		
360	0.006		
420	0.011		
480	0.008		
540	0.006		
600	0.005		
660	0.003		
720	0.004		
780	0.006		
840	0.004		
900	0.006		
960	0.009		
1020	0.008		
1080	0.005		
1140	0.01		
1200	0.008		
1260	0.011		
1320	0.006		
1380	0.005		
1440	0.008		
1500	0.008		
1560	0.01		
1620	0.006		

1680	0.005
1740	0.004
1800	0.004
1860	0.004
1920	0.013
1980	0.011
2040	0.005
2100	0.014
2160	0.005
2220	0.006
2280	0.006
2340	0.004
2400	0.004
2460	0.004
2520	0.003
2580	0.004
2640	0.006
2700	0.029
2760	0.015
2820	0.02
2880	0.013
2940	0.006
3000	0.006
3060	0.006
3120	0.005
3180	0.005
3240	0.009
3300	0.005
3360	0.008
3420	0.012
3480	0.012
3540	0.005
3600	0.004
3660	0.003
3720	0.003
3780	0.017
3840	0.004
3900	0.003
3960	0.004
4020	0.005
4080	0.004
4140	0.004
4200	0.003
4260	0.003
4320	0.004
4380	0.008
4440	0.008

4500	0.009
4560	0.004
4620	0.003
4680	0.006
4740	0.017
4800	0.018
4860	0.015
4920	0.009
4980	0.012
5040	0.007
5100	0.006
5160	0.006
5220	0.004
5280	0.009
5340	0.023
5400	0.006
5460	0.003
5520	0.005
5580	0.007
5640	0.007
5700	0.01
5760	0.009
5820	0.006
5880	0.005
5940	0.008
6000	0.005
6060	0.006
6120	0.006
6180	0.003
6240	0.003
6300	0.007
6360	0.013
6420	0.008
6480	0.008
6540	0.006
6600	0.015
6660	0.009
6720	0.005
6780	0.003
6840	0.003
6900	0.003
6960	0.003
7020	0.004
7080	0.007
7140	0.005
7200	0.011
7260	0.009

7320	0.004
7380	0.002
7440	0.004
7500	0.006
7560	0.004
7620	0.002
7680	0.003
7740	0.003
7800	0.002
7860	0.002
7920	0.002
7980	0.002
8040	0.003
8100	0.005
8160	0.004
8220	0.005
8280	0.016
8340	0.024
8400	0.003
8460	0.004
8520	0.004
8580	0.005
8640	0.007
8700	0.008
8760	0.005
8820	0.003
8880	0.002
8940	0.003
9000	0.001
9060	0.001
9120	0.002
9180	0.003
9240	0.003
9300	0.001
9360	0.001
9420	0.001
9480	0.002
9540	0.002
9600	0.002
9660	0.001
9720	0.001
9780	0.001
9840	0.003
9900	0.002
9960	0.008
10020	0.004
10080	0.004

10140	0.008
10200	0.002
10260	0.003
10320	0.004
10380	0.007
10440	0.003
10500	0.004
10560	0.003
10620	0.025
10680	0.002
10740	0.006
10800	0.004
10860	0.003
10920	0.003
10980	0.01
11040	0.009
11100	0.002
11160	0.001
11220	0.001
11280	0.002
11340	0.002
11400	0.004
11460	0.004
11520	0.005
11580	0.008
11640	0.014
11700	0.01
11760	0.009
11820	0.006
11880	0.004
11940	0.005
12000	0.006
12060	0.004
12120	0.005
12180	0.004
12240	0.005
12300	0.006
12360	0.002
12420	0.002
12480	0.001
12540	0.002
12600	0.003
12660	0.002
12720	0.003
12780	0.002
12840	0.002
12900	0.003

12960	0.003
13020	0.003
13080	0.007
13140	0.008
13200	0.003
13260	0.003
13320	0.015
13380	0.007
13440	0.006
13500	0.003
13560	0.007
13620	0.003
13680	0.002
13740	0.002
13800	0.001
13860	0.003
13920	0.003
13980	0.007
14040	0.009
14100	0.008
14160	0.005
14220	0.005
14280	0.003
14340	0.004
14400	0.008
14460	0.007
14520	0.005
14580	0.005
14640	0.005
14700	0.014
14760	0.01
14820	0.005
14880	0.003
14940	0.002
15000	0.003
15060	0.004
15120	0.004
15180	0.005
15240	0.008
15300	0.015
15360	0.012
15420	0.008
15480	0.003
15540	0.003
15600	0.002
15660	0.002
15720	0.005

15780	0.003
15840	0.004
15900	0.006
15960	0.008
16020	0.007
16080	0.006
16140	0.011
16200	0.013
16260	0.009
16320	0.01
16380	0.007
16440	0.005
16500	0.008
16560	0.009
16620	0.008
16680	0.007
16740	0.015
16800	0.01
16860	0.006
16920	0.005
16980	0.003
17040	0.006
17100	0.008
17160	0.008
17220	0.009
17280	0.016
17340	0.012
17400	0.015
17460	0.01
17520	0.025
17580	0.03
17640	0.264
17700	0.014
17760	0.009
17820	0.009
17880	0.007
17940	0.005
18000	0.007
18060	0.008
18120	0.004
18180	0.003
18240	0.004
18300	0.005
18360	0.006
18420	0.013
18480	0.005
18540	0.005

18600	0.004
18660	0.003
18720	0.005
18780	0.005
18840	0.004
18900	0.005
18960	0.005
19020	0.004
19080	0.006
19140	0.007
19200	0.005
19260	0.005
19320	0.006
19380	0.005
19440	0.008
19500	0.01
19560	0.007
19620	0.005
19680	0.029
19740	0.005
19800	0.007
19860	0.01
19920	0.006
19980	0.007
20040	0.007
20100	0.006
20160	0.006
20220	0.008
20280	0.005
20340	0.004
20400	0.007
20460	0.017
20520	0.014
20580	0.01
20640	0.019
20700	0.01
20760	0.015
20820	0.012
20880	0.013

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_017
Test Start Time	7:58:46 AM
Test Start Date	4/18/2019
Test Length [D:H:M]	0:06:23
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.082
Mass TWA [mg/m3]	0.01
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	383

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.015		
120	0.014		
180	0.014		
240	0.008		
300	0.022		
360	0.017		
420	0.064		
480	0.012		
540	0.036		
600	0.009		
660	0.01		
720	0.013		
780	0.008		
840	0.007		
900	0.012		
960	0.01		
1020	0.007		
1080	0.007		
1140	0.006		
1200	0.005		
1260	0.006		
1320	0.01		
1380	0.008		
1440	0.009		
1500	0.009		
1560	0.053		
1620	0.013		

1680	0.008
1740	0.007
1800	0.005
1860	0.006
1920	0.006
1980	0.006
2040	0.005
2100	0.013
2160	0.007
2220	0.008
2280	0.01
2340	0.013
2400	0.008
2460	0.007
2520	0.006
2580	0.011
2640	0.009
2700	0.082
2760	0.007
2820	0.006
2880	0.007
2940	0.008
3000	0.01
3060	0.018
3120	0.011
3180	0.008
3240	0.011
3300	0.009
3360	0.008
3420	0.008
3480	0.007
3540	0.007
3600	0.011
3660	0.008
3720	0.012
3780	0.006
3840	0.01
3900	0.006
3960	0.006
4020	0.01
4080	0.008
4140	0.012
4200	0.008
4260	0.008
4320	0.01
4380	0.008
4440	0.01

4500	0.01
4560	0.014
4620	0.017
4680	0.049
4740	0.022
4800	0.006
4860	0.006
4920	0.006
4980	0.011
5040	0.007
5100	0.009
5160	0.01
5220	0.009
5280	0.015
5340	0.007
5400	0.008
5460	0.008
5520	0.011
5580	0.01
5640	0.01
5700	0.007
5760	0.006
5820	0.006
5880	0.005
5940	0.006
6000	0.007
6060	0.01
6120	0.009
6180	0.008
6240	0.015
6300	0.014
6360	0.008
6420	0.007
6480	0.007
6540	0.007
6600	0.007
6660	0.008
6720	0.007
6780	0.007
6840	0.007
6900	0.007
6960	0.01
7020	0.023
7080	0.011
7140	0.009
7200	0.008
7260	0.008

7320	0.015
7380	0.014
7440	0.007
7500	0.007
7560	0.009
7620	0.014
7680	0.009
7740	0.018
7800	0.018
7860	0.026
7920	0.021
7980	0.029
8040	0.017
8100	0.01
8160	0.01
8220	0.025
8280	0.022
8340	0.049
8400	0.025
8460	0.019
8520	0.01
8580	0.009
8640	0.011
8700	0.012
8760	0.01
8820	0.021
8880	0.009
8940	0.012
9000	0.01
9060	0.014
9120	0.01
9180	0.009
9240	0.009
9300	0.009
9360	0.012
9420	0.015
9480	0.009
9540	0.008
9600	0.013
9660	0.026
9720	0.033
9780	0.022
9840	0.013
9900	0.027
9960	0.01
10020	0.02
10080	0.011

10140	0.014
10200	0.015
10260	0.013
10320	0.024
10380	0.015
10440	0.01
10500	0.009
10560	0.023
10620	0.009
10680	0.014
10740	0.011
10800	0.014
10860	0.015
10920	0.009
10980	0.008
11040	0.009
11100	0.012
11160	0.012
11220	0.012
11280	0.012
11340	0.013
11400	0.011
11460	0.01
11520	0.01
11580	0.011
11640	0.009
11700	0.008
11760	0.008
11820	0.01
11880	0.008
11940	0.009
12000	0.008
12060	0.009
12120	0.009
12180	0.009
12240	0.009
12300	0.007
12360	0.008
12420	0.009
12480	0.009
12540	0.009
12600	0.01
12660	0.009
12720	0.009
12780	0.008
12840	0.008
12900	0.008

12960	0.009
13020	0.009
13080	0.008
13140	0.009
13200	0.009
13260	0.009
13320	0.009
13380	0.009
13440	0.012
13500	0.012
13560	0.011
13620	0.009
13680	0.009
13740	0.009
13800	0.009
13860	0.009
13920	0.01
13980	0.009
14040	0.009
14100	0.01
14160	0.01
14220	0.013
14280	0.015
14340	0.013
14400	0.025
14460	0.013
14520	0.017
14580	0.02
14640	0.014
14700	0.025
14760	0.021
14820	0.01
14880	0.011
14940	0.028
15000	0.031
15060	0.023
15120	0.02
15180	0.011
15240	0.012
15300	0.014
15360	0.018
15420	0.016
15480	0.013
15540	0.012
15600	0.011
15660	0.011
15720	0.01

15780	0.011
15840	0.011
15900	0.011
15960	0.011
16020	0.012
16080	0.01
16140	0.01
16200	0.01
16260	0.012
16320	0.012
16380	0.01
16440	0.012
16500	0.011
16560	0.01
16620	0.01
16680	0.01
16740	0.01
16800	0.011
16860	0.012
16920	0.01
16980	0.01
17040	0.01
17100	0.01
17160	0.01
17220	0.01
17280	0.01
17340	0.01
17400	0.011
17460	0.011
17520	0.011
17580	0.01
17640	0.011
17700	0.01
17760	0.01
17820	0.011
17880	0.013
17940	0.018
18000	0.016
18060	0.011
18120	0.012
18180	0.012
18240	0.012
18300	0.016
18360	0.017
18420	0.012
18480	0.013
18540	0.013

18600	0.013
18660	0.012
18720	0.019
18780	0.014
18840	0.014
18900	0.013
18960	0.013
19020	0.013
19080	0.012
19140	0.012
19200	0.012
19260	0.011
19320	0.012
19380	0.012
19440	0.014
19500	0.014
19560	0.012
19620	0.012
19680	0.012
19740	0.011
19800	0.011
19860	0.011
19920	0.011
19980	0.011
20040	0.011
20100	0.013
20160	0.013
20220	0.016
20280	0.015
20340	0.016
20400	0.014
20460	0.014
20520	0.017
20580	0.017
20640	0.016
20700	0.02
20760	0.02
20820	0.018
20880	0.015
20940	0.02
21000	0.019
21060	0.017
21120	0.02
21180	0.018
21240	0.015
21300	0.014
21360	0.013

21420	0.013
21480	0.012
21540	0.013
21600	0.012
21660	0.012
21720	0.013
21780	0.013
21840	0.012
21900	0.012
21960	0.014
22020	0.012
22080	0.013
22140	0.016
22200	0.013
22260	0.012
22320	0.012
22380	0.012
22440	0.012
22500	0.012
22560	0.012
22620	0.013
22680	0.012
22740	0.012
22800	0.012
22860	0.012
22920	0.013
22980	0.015

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_018
Test Start Time	7:27:54 AM
Test Start Date	4/22/2019
Test Length [D:H:M]	0:04:23
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0.008
Mass Maximum [mg/m3]	0.056
Mass TWA [mg/m3]	0.008
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	263

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.018		
120	0.026		
180	0.017		
240	0.014		
300	0.013		
360	0.014		
420	0.011		
480	0.013		
540	0.015		
600	0.016		
660	0.016		
720	0.017		
780	0.018		
840	0.015		
900	0.015		
960	0.016		
1020	0.02		
1080	0.017		
1140	0.017		
1200	0.013		
1260	0.013		
1320	0.013		
1380	0.013		
1440	0.017		
1500	0.013		
1560	0.014		
1620	0.025		

1680	0.022
1740	0.012
1800	0.012
1860	0.015
1920	0.02
1980	0.018
2040	0.012
2100	0.01
2160	0.017
2220	0.021
2280	0.013
2340	0.011
2400	0.014
2460	0.011
2520	0.011
2580	0.012
2640	0.012
2700	0.038
2760	0.024
2820	0.017
2880	0.012
2940	0.015
3000	0.01
3060	0.011
3120	0.011
3180	0.011
3240	0.019
3300	0.013
3360	0.012
3420	0.013
3480	0.015
3540	0.011
3600	0.012
3660	0.012
3720	0.019
3780	0.021
3840	0.017
3900	0.013
3960	0.01
4020	0.01
4080	0.011
4140	0.01
4200	0.035
4260	0.03
4320	0.021
4380	0.022
4440	0.02

4500	0.01
4560	0.01
4620	0.012
4680	0.011
4740	0.025
4800	0.023
4860	0.011
4920	0.012
4980	0.016
5040	0.011
5100	0.011
5160	0.019
5220	0.015
5280	0.01
5340	0.011
5400	0.012
5460	0.019
5520	0.013
5580	0.011
5640	0.011
5700	0.011
5760	0.016
5820	0.024
5880	0.017
5940	0.011
6000	0.009
6060	0.01
6120	0.012
6180	0.01
6240	0.01
6300	0.011
6360	0.01
6420	0.009
6480	0.014
6540	0.019
6600	0.016
6660	0.013
6720	0.019
6780	0.011
6840	0.018
6900	0.017
6960	0.012
7020	0.011
7080	0.016
7140	0.013
7200	0.014
7260	0.018

7320	0.015
7380	0.012
7440	0.022
7500	0.012
7560	0.011
7620	0.012
7680	0.01
7740	0.01
7800	0.013
7860	0.011
7920	0.02
7980	0.01
8040	0.011
8100	0.013
8160	0.018
8220	0.012
8280	0.017
8340	0.013
8400	0.015
8460	0.044
8520	0.014
8580	0.009
8640	0.009
8700	0.008
8760	0.021
8820	0.022
8880	0.056
8940	0.009
9000	0.01
9060	0.014
9120	0.009
9180	0.009
9240	0.009
9300	0.009
9360	0.009
9420	0.008
9480	0.012
9540	0.009
9600	0.009
9660	0.009
9720	0.009
9780	0.009
9840	0.014
9900	0.012
9960	0.023
10020	0.013
10080	0.015

10140	0.024
10200	0.013
10260	0.014
10320	0.013
10380	0.012
10440	0.013
10500	0.018
10560	0.012
10620	0.013
10680	0.012
10740	0.011
10800	0.012
10860	0.018
10920	0.016
10980	0.012
11040	0.012
11100	0.01
11160	0.011
11220	0.012
11280	0.013
11340	0.011
11400	0.021
11460	0.014
11520	0.022
11580	0.018
11640	0.018
11700	0.016
11760	0.014
11820	0.013
11880	0.011
11940	0.011
12000	0.01
12060	0.016
12120	0.046
12180	0.011
12240	0.01
12300	0.01
12360	0.012
12420	0.022
12480	0.013
12540	0.011
12600	0.011
12660	0.013
12720	0.011
12780	0.011
12840	0.011
12900	0.011

12960	0.011
13020	0.011
13080	0.011
13140	0.01
13200	0.01
13260	0.01
13320	0.011
13380	0.009
13440	0.01
13500	0.009
13560	0.008
13620	0.009
13680	0.009
13740	0.01
13800	0.01
13860	0.009
13920	0.009
13980	0.009
14040	0.008
14100	0.009
14160	0.009
14220	0.009
14280	0.009
14340	0.02
14400	0.013
14460	0.014
14520	0.011
14580	0.009
14640	0.011
14700	0.011
14760	0.013
14820	0.015
14880	0.02
14940	0.011
15000	0.014
15060	0.012
15120	0.024
15180	0.018
15240	0.013
15300	0.012
15360	0.018
15420	0.015
15480	0.012
15540	0.011
15600	0.013
15660	0.014
15720	0.016

15780 0.021

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_019
Test Start Time	7:23:08 AM
Test Start Date	4/23/2019
Test Length [D:H:M]	0:03:46
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0.009
Mass Maximum [mg/m3]	0.07
Mass TWA [mg/m3]	0.006
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	226

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.014		
120	0.014		
180	0.018		
240	0.014		
300	0.016		
360	0.012		
420	0.009		
480	0.011		
540	0.07		
600	0.053		
660	0.03		
720	0.017		
780	0.011		
840	0.01		
900	0.01		
960	0.018		
1020	0.024		
1080	0.024		
1140	0.014		
1200	0.012		
1260	0.013		
1320	0.013		
1380	0.015		
1440	0.016		
1500	0.017		
1560	0.013		
1620	0.011		

1680	0.009
1740	0.01
1800	0.01
1860	0.013
1920	0.011
1980	0.01
2040	0.01
2100	0.01
2160	0.01
2220	0.01
2280	0.01
2340	0.009
2400	0.009
2460	0.01
2520	0.01
2580	0.01
2640	0.011
2700	0.011
2760	0.01
2820	0.01
2880	0.01
2940	0.01
3000	0.01
3060	0.01
3120	0.01
3180	0.01
3240	0.015
3300	0.011
3360	0.013
3420	0.014
3480	0.011
3540	0.014
3600	0.015
3660	0.015
3720	0.018
3780	0.016
3840	0.014
3900	0.016
3960	0.019
4020	0.019
4080	0.027
4140	0.021
4200	0.017
4260	0.021
4320	0.022
4380	0.018
4440	0.021

4500	0.019
4560	0.021
4620	0.028
4680	0.031
4740	0.021
4800	0.016
4860	0.018
4920	0.021
4980	0.023
5040	0.02
5100	0.017
5160	0.017
5220	0.014
5280	0.02
5340	0.033
5400	0.033
5460	0.032
5520	0.027
5580	0.02
5640	0.024
5700	0.018
5760	0.017
5820	0.018
5880	0.017
5940	0.018
6000	0.018
6060	0.015
6120	0.012
6180	0.011
6240	0.011
6300	0.011
6360	0.012
6420	0.013
6480	0.012
6540	0.011
6600	0.013
6660	0.018
6720	0.014
6780	0.011
6840	0.02
6900	0.019
6960	0.014
7020	0.014
7080	0.012
7140	0.013
7200	0.014
7260	0.01

7320	0.01
7380	0.01
7440	0.013
7500	0.012
7560	0.01
7620	0.011
7680	0.01
7740	0.011
7800	0.01
7860	0.01
7920	0.011
7980	0.01
8040	0.012
8100	0.01
8160	0.009
8220	0.011
8280	0.013
8340	0.01
8400	0.009
8460	0.01
8520	0.017
8580	0.013
8640	0.012
8700	0.011
8760	0.011
8820	0.01
8880	0.01
8940	0.01
9000	0.01
9060	0.011
9120	0.012
9180	0.015
9240	0.013
9300	0.012
9360	0.01
9420	0.009
9480	0.009
9540	0.01
9600	0.009
9660	0.009
9720	0.011
9780	0.014
9840	0.018
9900	0.013
9960	0.01
10020	0.013
10080	0.011

10140	0.01
10200	0.009
10260	0.009
10320	0.01
10380	0.009
10440	0.01
10500	0.011
10560	0.01
10620	0.01
10680	0.009
10740	0.009
10800	0.01
10860	0.013
10920	0.013
10980	0.012
11040	0.011
11100	0.014
11160	0.011
11220	0.009
11280	0.009
11340	0.009
11400	0.01
11460	0.01
11520	0.009
11580	0.009
11640	0.009
11700	0.01
11760	0.016
11820	0.012
11880	0.011
11940	0.01
12000	0.009
12060	0.01
12120	0.011
12180	0.009
12240	0.011
12300	0.013
12360	0.01
12420	0.01
12480	0.011
12540	0.011
12600	0.01
12660	0.01
12720	0.009
12780	0.009
12840	0.009
12900	0.009

12960	0.014
13020	0.01
13080	0.011
13140	0.01
13200	0.01
13260	0.012
13320	0.016
13380	0.014
13440	0.017
13500	0.014
13560	0.011

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530171509
Firmware Version	3.7
Calibration Date	4/14/2017
Test Name	MANUAL_020
Test Start Time	3:26:34 PM
Test Start Date	4/25/2019
Test Length [D:H:M]	0:03:39
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.026
Mass Minimum [mg/m3]	0.015
Mass Maximum [mg/m3]	0.198
Mass TWA [mg/m3]	0.012
Photometric User Cal	0.82
Flow User Cal	0
Errors	
Number of Samples	219

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.041		
120	0.047		
180	0.029		
240	0.03		
300	0.062		
360	0.044		
420	0.034		
480	0.032		
540	0.031		
600	0.027		
660	0.024		
720	0.024		
780	0.025		
840	0.026		
900	0.029		
960	0.025		
1020	0.042		
1080	0.048		
1140	0.033		
1200	0.044		
1260	0.044		
1320	0.037		
1380	0.034		
1440	0.042		
1500	0.043		
1560	0.028		
1620	0.027		

1680	0.024
1740	0.029
1800	0.035
1860	0.033
1920	0.037
1980	0.049
2040	0.047
2100	0.045
2160	0.043
2220	0.036
2280	0.033
2340	0.035
2400	0.029
2460	0.025
2520	0.025
2580	0.032
2640	0.032
2700	0.026
2760	0.027
2820	0.025
2880	0.198
2940	0.113
3000	0.036
3060	0.035
3120	0.027
3180	0.022
3240	0.023
3300	0.024
3360	0.025
3420	0.021
3480	0.024
3540	0.022
3600	0.019
3660	0.019
3720	0.019
3780	0.019
3840	0.021
3900	0.024
3960	0.049
4020	0.055
4080	0.04
4140	0.022
4200	0.028
4260	0.024
4320	0.018
4380	0.018
4440	0.017

4500	0.018
4560	0.018
4620	0.016
4680	0.016
4740	0.016
4800	0.018
4860	0.016
4920	0.017
4980	0.018
5040	0.016
5100	0.016
5160	0.018
5220	0.019
5280	0.02
5340	0.027
5400	0.033
5460	0.027
5520	0.023
5580	0.032
5640	0.021
5700	0.018
5760	0.016
5820	0.016
5880	0.015
5940	0.016
6000	0.019
6060	0.015
6120	0.017
6180	0.015
6240	0.016
6300	0.017
6360	0.017
6420	0.027
6480	0.026
6540	0.018
6600	0.018
6660	0.017
6720	0.017
6780	0.017
6840	0.019
6900	0.019
6960	0.019
7020	0.022
7080	0.029
7140	0.025
7200	0.023
7260	0.022

7320	0.021
7380	0.027
7440	0.025
7500	0.028
7560	0.022
7620	0.022
7680	0.021
7740	0.022
7800	0.022
7860	0.023
7920	0.023
7980	0.026
8040	0.027
8100	0.027
8160	0.027
8220	0.033
8280	0.024
8340	0.025
8400	0.032
8460	0.029
8520	0.023
8580	0.018
8640	0.017
8700	0.017
8760	0.017
8820	0.017
8880	0.017
8940	0.017
9000	0.018
9060	0.018
9120	0.019
9180	0.02
9240	0.019
9300	0.023
9360	0.021
9420	0.021
9480	0.02
9540	0.077
9600	0.02
9660	0.022
9720	0.019
9780	0.02
9840	0.02
9900	0.02
9960	0.019
10020	0.02
10080	0.019

10140	0.02
10200	0.02
10260	0.019
10320	0.02
10380	0.021
10440	0.019
10500	0.019
10560	0.019
10620	0.02
10680	0.03
10740	0.032
10800	0.025
10860	0.028
10920	0.029
10980	0.021
11040	0.022
11100	0.024
11160	0.023
11220	0.024
11280	0.025
11340	0.022
11400	0.022
11460	0.022
11520	0.021
11580	0.024
11640	0.024
11700	0.024
11760	0.022
11820	0.022
11880	0.023
11940	0.022
12000	0.023
12060	0.025
12120	0.022
12180	0.023
12240	0.024
12300	0.023
12360	0.022
12420	0.023
12480	0.021
12540	0.021
12600	0.021
12660	0.023
12720	0.027
12780	0.025
12840	0.027
12900	0.025

12960	0.028
13020	0.025
13080	0.027
13140	0.028

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152906
Firmware Version	3.7
Calibration Date	7/15/2015
Test Name	MANUAL_001
Test Start Time	10:02:10 AM
Test Start Date	6/19/2019
Test Length [D:H:M]	0:03:58
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.02
Mass Minimum [mg/m3]	0.013
Mass Maximum [mg/m3]	0.04
Mass TWA [mg/m3]	0.01
Photometric User Cal	0.79
Flow User Cal	0
Errors	
Number of Samples	238

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.014		
120	0.013		
180	0.014		
240	0.015		
300	0.015		
360	0.016		
420	0.022		
480	0.025		
540	0.02		
600	0.017		
660	0.017		
720	0.017		
780	0.017		
840	0.017		
900	0.017		
960	0.017		
1020	0.016		
1080	0.016		
1140	0.016		
1200	0.015		
1260	0.015		
1320	0.016		
1380	0.015		
1440	0.016		
1500	0.014		
1560	0.016		
1620	0.015		

1680	0.014
1740	0.018
1800	0.017
1860	0.017
1920	0.017
1980	0.018
2040	0.021
2100	0.019
2160	0.018
2220	0.017
2280	0.016
2340	0.018
2400	0.02
2460	0.018
2520	0.017
2580	0.017
2640	0.018
2700	0.018
2760	0.019
2820	0.02
2880	0.019
2940	0.018
3000	0.022
3060	0.018
3120	0.019
3180	0.019
3240	0.02
3300	0.02
3360	0.02
3420	0.019
3480	0.02
3540	0.022
3600	0.022
3660	0.022
3720	0.021
3780	0.022
3840	0.022
3900	0.023
3960	0.021
4020	0.021
4080	0.021
4140	0.022
4200	0.023
4260	0.025
4320	0.022
4380	0.022
4440	0.022

4500	0.022
4560	0.022
4620	0.022
4680	0.024
4740	0.023
4800	0.023
4860	0.023
4920	0.022
4980	0.022
5040	0.023
5100	0.023
5160	0.025
5220	0.024
5280	0.023
5340	0.023
5400	0.023
5460	0.023
5520	0.023
5580	0.023
5640	0.022
5700	0.023
5760	0.023
5820	0.024
5880	0.024
5940	0.025
6000	0.026
6060	0.029
6120	0.029
6180	0.029
6240	0.029
6300	0.028
6360	0.027
6420	0.027
6480	0.027
6540	0.029
6600	0.029
6660	0.04
6720	0.026
6780	0.024
6840	0.022
6900	0.019
6960	0.018
7020	0.017
7080	0.018
7140	0.019
7200	0.018
7260	0.018

7320	0.017
7380	0.016
7440	0.016
7500	0.017
7560	0.018
7620	0.017
7680	0.017
7740	0.019
7800	0.017
7860	0.017
7920	0.016
7980	0.016
8040	0.016
8100	0.016
8160	0.015
8220	0.016
8280	0.02
8340	0.021
8400	0.021
8460	0.02
8520	0.019
8580	0.02
8640	0.02
8700	0.021
8760	0.024
8820	0.021
8880	0.02
8940	0.02
9000	0.02
9060	0.02
9120	0.02
9180	0.02
9240	0.021
9300	0.021
9360	0.021
9420	0.026
9480	0.028
9540	0.022
9600	0.021
9660	0.022
9720	0.021
9780	0.027
9840	0.033
9900	0.019
9960	0.019
10020	0.019
10080	0.019

10140	0.02
10200	0.019
10260	0.021
10320	0.024
10380	0.023
10440	0.021
10500	0.02
10560	0.019
10620	0.021
10680	0.02
10740	0.019
10800	0.019
10860	0.02
10920	0.02
10980	0.02
11040	0.02
11100	0.019
11160	0.02
11220	0.033
11280	0.031
11340	0.022
11400	0.022
11460	0.023
11520	0.022
11580	0.02
11640	0.021
11700	0.018
11760	0.018
11820	0.019
11880	0.017
11940	0.018
12000	0.018
12060	0.017
12120	0.016
12180	0.016
12240	0.018
12300	0.018
12360	0.017
12420	0.016
12480	0.015
12540	0.015
12600	0.015
12660	0.015
12720	0.017
12780	0.018
12840	0.019
12900	0.016

12960	0.021
13020	0.016
13080	0.015
13140	0.015
13200	0.014
13260	0.015
13320	0.015
13380	0.014
13440	0.015
13500	0.015
13560	0.015
13620	0.015
13680	0.015
13740	0.015
13800	0.015
13860	0.015
13920	0.017
13980	0.016
14040	0.015
14100	0.015
14160	0.015
14220	0.015
14280	0.015

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152906
Firmware Version	3.7
Calibration Date	7/15/2015
Test Name	MANUAL_002
Test Start Time	7:52:35 AM
Test Start Date	6/20/2019
Test Length [D:H:M]	0:06:35
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.03
Mass Minimum [mg/m3]	0.01
Mass Maximum [mg/m3]	0.209
Mass TWA [mg/m3]	0.025
Photometric User Cal	0.79
Flow User Cal	0
Errors	
Number of Samples	395

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.013		
120	0.013		
180	0.011		
240	0.014		
300	0.011		
360	0.014		
420	0.012		
480	0.01		
540	0.01		
600	0.011		
660	0.011		
720	0.011		
780	0.012		
840	0.017		
900	0.015		
960	0.012		
1020	0.012		
1080	0.011		
1140	0.017		
1200	0.014		
1260	0.013		
1320	0.013		
1380	0.014		
1440	0.014		
1500	0.015		
1560	0.013		
1620	0.013		

1680	0.012
1740	0.012
1800	0.013
1860	0.014
1920	0.012
1980	0.011
2040	0.012
2100	0.018
2160	0.015
2220	0.018
2280	0.025
2340	0.013
2400	0.013
2460	0.014
2520	0.021
2580	0.012
2640	0.013
2700	0.013
2760	0.012
2820	0.01
2880	0.01
2940	0.012
3000	0.016
3060	0.011
3120	0.034
3180	0.039
3240	0.031
3300	0.014
3360	0.013
3420	0.013
3480	0.019
3540	0.014
3600	0.023
3660	0.021
3720	0.02
3780	0.018
3840	0.012
3900	0.012
3960	0.012
4020	0.014
4080	0.015
4140	0.024
4200	0.016
4260	0.013
4320	0.015
4380	0.014
4440	0.026

4500	0.033
4560	0.024
4620	0.019
4680	0.016
4740	0.02
4800	0.018
4860	0.023
4920	0.022
4980	0.018
5040	0.017
5100	0.017
5160	0.021
5220	0.018
5280	0.016
5340	0.016
5400	0.015
5460	0.014
5520	0.017
5580	0.019
5640	0.019
5700	0.02
5760	0.019
5820	0.018
5880	0.019
5940	0.02
6000	0.015
6060	0.015
6120	0.015
6180	0.015
6240	0.015
6300	0.015
6360	0.014
6420	0.014
6480	0.015
6540	0.016
6600	0.02
6660	0.019
6720	0.016
6780	0.017
6840	0.022
6900	0.023
6960	0.02
7020	0.022
7080	0.019
7140	0.025
7200	0.022
7260	0.021

7320	0.017
7380	0.016
7440	0.016
7500	0.016
7560	0.016
7620	0.016
7680	0.03
7740	0.018
7800	0.017
7860	0.017
7920	0.017
7980	0.017
8040	0.017
8100	0.018
8160	0.018
8220	0.018
8280	0.022
8340	0.018
8400	0.017
8460	0.018
8520	0.019
8580	0.018
8640	0.017
8700	0.018
8760	0.018
8820	0.018
8880	0.018
8940	0.017
9000	0.018
9060	0.019
9120	0.019
9180	0.02
9240	0.022
9300	0.019
9360	0.02
9420	0.022
9480	0.019
9540	0.019
9600	0.019
9660	0.02
9720	0.02
9780	0.021
9840	0.021
9900	0.021
9960	0.022
10020	0.021
10080	0.022

10140	0.021
10200	0.021
10260	0.021
10320	0.021
10380	0.021
10440	0.024
10500	0.028
10560	0.028
10620	0.027
10680	0.021
10740	0.021
10800	0.021
10860	0.021
10920	0.021
10980	0.021
11040	0.022
11100	0.022
11160	0.021
11220	0.021
11280	0.021
11340	0.029
11400	0.03
11460	0.025
11520	0.024
11580	0.027
11640	0.024
11700	0.023
11760	0.022
11820	0.023
11880	0.022
11940	0.021
12000	0.025
12060	0.024
12120	0.021
12180	0.021
12240	0.024
12300	0.025
12360	0.024
12420	0.023
12480	0.024
12540	0.024
12600	0.023
12660	0.022
12720	0.022
12780	0.02
12840	0.02
12900	0.02

12960	0.021
13020	0.02
13080	0.025
13140	0.025
13200	0.021
13260	0.02
13320	0.019
13380	0.019
13440	0.02
13500	0.02
13560	0.02
13620	0.02
13680	0.022
13740	0.022
13800	0.021
13860	0.021
13920	0.024
13980	0.022
14040	0.023
14100	0.022
14160	0.022
14220	0.024
14280	0.032
14340	0.025
14400	0.024
14460	0.024
14520	0.027
14580	0.027
14640	0.027
14700	0.028
14760	0.023
14820	0.022
14880	0.022
14940	0.021
15000	0.022
15060	0.023
15120	0.025
15180	0.025
15240	0.025
15300	0.024
15360	0.024
15420	0.024
15480	0.023
15540	0.023
15600	0.022
15660	0.022
15720	0.022

15780	0.021
15840	0.023
15900	0.027
15960	0.027
16020	0.027
16080	0.026
16140	0.026
16200	0.026
16260	0.026
16320	0.026
16380	0.028
16440	0.029
16500	0.029
16560	0.028
16620	0.028
16680	0.028
16740	0.028
16800	0.029
16860	0.03
16920	0.03
16980	0.031
17040	0.031
17100	0.032
17160	0.033
17220	0.033
17280	0.032
17340	0.032
17400	0.031
17460	0.031
17520	0.03
17580	0.03
17640	0.03
17700	0.03
17760	0.03
17820	0.031
17880	0.03
17940	0.031
18000	0.041
18060	0.042
18120	0.044
18180	0.045
18240	0.045
18300	0.045
18360	0.047
18420	0.048
18480	0.049
18540	0.043

18600	0.042
18660	0.054
18720	0.054
18780	0.056
18840	0.055
18900	0.054
18960	0.055
19020	0.053
19080	0.052
19140	0.052
19200	0.054
19260	0.053
19320	0.052
19380	0.052
19440	0.054
19500	0.056
19560	0.052
19620	0.054
19680	0.054
19740	0.053
19800	0.053
19860	0.054
19920	0.053
19980	0.053
20040	0.053
20100	0.054
20160	0.054
20220	0.059
20280	0.068
20340	0.064
20400	0.06
20460	0.061
20520	0.065
20580	0.064
20640	0.065
20700	0.064
20760	0.064
20820	0.064
20880	0.064
20940	0.065
21000	0.064
21060	0.063
21120	0.063
21180	0.062
21240	0.061
21300	0.061
21360	0.061

21420	0.06
21480	0.059
21540	0.059
21600	0.069
21660	0.065
21720	0.063
21780	0.065
21840	0.089
21900	0.209
21960	0.064
22020	0.062
22080	0.061
22140	0.061
22200	0.062
22260	0.064
22320	0.064
22380	0.063
22440	0.063
22500	0.064
22560	0.061
22620	0.061
22680	0.063
22740	0.06
22800	0.06
22860	0.065
22920	0.063
22980	0.068
23040	0.067
23100	0.066
23160	0.063
23220	0.062
23280	0.066
23340	0.064
23400	0.062
23460	0.062
23520	0.062
23580	0.062
23640	0.065
23700	0.069

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152906
Firmware Version	3.7
Calibration Date	7/15/2015
Test Name	MANUAL_003
Test Start Time	8:59:12 AM
Test Start Date	6/21/2019
Test Length [D:H:M]	0:05:23
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.028
Mass TWA [mg/m3]	0.004
Photometric User Cal	0.79
Flow User Cal	0
Errors	
Number of Samples	323

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.006		
120	0.005		
180	0.006		
240	0.006		
300	0.005		
360	0.005		
420	0.005		
480	0.005		
540	0.005		
600	0.007		
660	0.004		
720	0.004		
780	0.003		
840	0.004		
900	0.006		
960	0.006		
1020	0.004		
1080	0.004		
1140	0.004		
1200	0.004		
1260	0.004		
1320	0.003		
1380	0.003		
1440	0.003		
1500	0.003		
1560	0.003		
1620	0.003		

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

4500	0.003
4560	0.002
4620	0.004
4680	0.003
4740	0.003
4800	0.003
4860	0.004
4920	0.004
4980	0.005
5040	0.004
5100	0.004
5160	0.007
5220	0.005
5280	0.005
5340	0.004
5400	0.004
5460	0.004
5520	0.004
5580	0.004
5640	0.004
5700	0.003
5760	0.003
5820	0.003
5880	0.003
5940	0.003
6000	0.003
6060	0.003
6120	0.003
6180	0.003
6240	0.004
6300	0.004
6360	0.004
6420	0.004
6480	0.004
6540	0.004
6600	0.004
6660	0.003
6720	0.004
6780	0.004
6840	0.004
6900	0.005
6960	0.005
7020	0.005
7080	0.004
7140	0.007
7200	0.013
7260	0.028

7320	0.022
7380	0.018
7440	0.019
7500	0.011
7560	0.011
7620	0.013
7680	0.008
7740	0.007
7800	0.006
7860	0.01
7920	0.012
7980	0.013
8040	0.017
8100	0.014
8160	0.01
8220	0.018
8280	0.023
8340	0.013
8400	0.011
8460	0.007
8520	0.005
8580	0.007
8640	0.006
8700	0.005
8760	0.005
8820	0.005
8880	0.004
8940	0.005
9000	0.005
9060	0.007
9120	0.006
9180	0.006
9240	0.006
9300	0.005
9360	0.005
9420	0.005
9480	0.005
9540	0.008
9600	0.01
9660	0.016
9720	0.01
9780	0.013
9840	0.013
9900	0.014
9960	0.013
10020	0.017
10080	0.023

10140	0.014
10200	0.018
10260	0.012
10320	0.008
10380	0.014
10440	0.013
10500	0.01
10560	0.009
10620	0.007
10680	0.007
10740	0.013
10800	0.007
10860	0.011
10920	0.013
10980	0.015
11040	0.021
11100	0.012
11160	0.01
11220	0.006
11280	0.008
11340	0.011
11400	0.007
11460	0.006
11520	0.005
11580	0.005
11640	0.004
11700	0.005
11760	0.005
11820	0.005
11880	0.005
11940	0.005
12000	0.005
12060	0.005
12120	0.005
12180	0.005
12240	0.005
12300	0.005
12360	0.005
12420	0.004
12480	0.004
12540	0.005
12600	0.004
12660	0.004
12720	0.005
12780	0.005
12840	0.005
12900	0.005

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

15780	0.006
15840	0.006
15900	0.006
15960	0.006
16020	0.006
16080	0.007
16140	0.006
16200	0.006
16260	0.006
16320	0.006
16380	0.007
16440	0.008
16500	0.007
16560	0.008
16620	0.007
16680	0.008
16740	0.008
16800	0.008
16860	0.007
16920	0.007
16980	0.008
17040	0.009
17100	0.009
17160	0.008
17220	0.009
17280	0.01
17340	0.011
17400	0.009
17460	0.011
17520	0.01
17580	0.01
17640	0.008
17700	0.008
17760	0.009
17820	0.009
17880	0.011
17940	0.011
18000	0.011
18060	0.013
18120	0.01
18180	0.011
18240	0.012
18300	0.013
18360	0.01
18420	0.01
18480	0.009
18540	0.01

18600	0.009
18660	0.009
18720	0.01
18780	0.009
18840	0.009
18900	0.01
18960	0.008
19020	0.009
19080	0.008
19140	0.01
19200	0.01
19260	0.009
19320	0.011
19380	0.01

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152906
Firmware Version	3.7
Calibration Date	7/15/2015
Test Name	MANUAL_004
Test Start Time	7:45:07 AM
Test Start Date	6/24/2019
Test Length [D:H:M]	0:05:54
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0.009
Mass Maximum [mg/m3]	0.054
Mass TWA [mg/m3]	0.01
Photometric User Cal	0.79
Flow User Cal	0
Errors	
Number of Samples	354

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.022		
120	0.017		
180	0.014		
240	0.013		
300	0.012		
360	0.013		
420	0.014		
480	0.013		
540	0.015		
600	0.013		
660	0.012		
720	0.012		
780	0.011		
840	0.01		
900	0.01		
960	0.01		
1020	0.01		
1080	0.01		
1140	0.01		
1200	0.01		
1260	0.01		
1320	0.011		
1380	0.01		
1440	0.011		
1500	0.01		
1560	0.01		
1620	0.01		

1680	0.011
1740	0.01
1800	0.01
1860	0.01
1920	0.01
1980	0.01
2040	0.01
2100	0.01
2160	0.01
2220	0.01
2280	0.01
2340	0.01
2400	0.009
2460	0.009
2520	0.01
2580	0.011
2640	0.011
2700	0.01
2760	0.009
2820	0.01
2880	0.011
2940	0.013
3000	0.016
3060	0.016
3120	0.016
3180	0.017
3240	0.013
3300	0.014
3360	0.018
3420	0.015
3480	0.014
3540	0.014
3600	0.014
3660	0.015
3720	0.014
3780	0.014
3840	0.015
3900	0.016
3960	0.015
4020	0.015
4080	0.015
4140	0.015
4200	0.016
4260	0.015
4320	0.015
4380	0.016
4440	0.016

4500	0.017
4560	0.017
4620	0.016
4680	0.016
4740	0.015
4800	0.015
4860	0.014
4920	0.017
4980	0.016
5040	0.015
5100	0.017
5160	0.017
5220	0.015
5280	0.015
5340	0.017
5400	0.016
5460	0.016
5520	0.015
5580	0.018
5640	0.017
5700	0.015
5760	0.015
5820	0.014
5880	0.014
5940	0.015
6000	0.015
6060	0.018
6120	0.015
6180	0.016
6240	0.019
6300	0.017
6360	0.017
6420	0.018
6480	0.018
6540	0.02
6600	0.017
6660	0.054
6720	0.022
6780	0.015
6840	0.016
6900	0.016
6960	0.015
7020	0.014
7080	0.015
7140	0.015
7200	0.015
7260	0.015

7320	0.014
7380	0.015
7440	0.014
7500	0.015
7560	0.016
7620	0.015
7680	0.014
7740	0.017
7800	0.02
7860	0.015
7920	0.014
7980	0.017
8040	0.015
8100	0.015
8160	0.014
8220	0.014
8280	0.014
8340	0.014
8400	0.013
8460	0.013
8520	0.013
8580	0.013
8640	0.017
8700	0.018
8760	0.015
8820	0.014
8880	0.014
8940	0.014
9000	0.013
9060	0.013
9120	0.013
9180	0.012
9240	0.013
9300	0.014
9360	0.016
9420	0.014
9480	0.013
9540	0.013
9600	0.013
9660	0.013
9720	0.015
9780	0.015
9840	0.018
9900	0.017
9960	0.017
10020	0.015
10080	0.015

10140	0.014
10200	0.015
10260	0.013
10320	0.014
10380	0.014
10440	0.015
10500	0.019
10560	0.018
10620	0.017
10680	0.016
10740	0.013
10800	0.013
10860	0.013
10920	0.014
10980	0.014
11040	0.013
11100	0.013
11160	0.013
11220	0.013
11280	0.013
11340	0.013
11400	0.013
11460	0.014
11520	0.015
11580	0.013
11640	0.012
11700	0.012
11760	0.012
11820	0.012
11880	0.012
11940	0.013
12000	0.01
12060	0.01
12120	0.01
12180	0.01
12240	0.01
12300	0.011
12360	0.012
12420	0.013
12480	0.015
12540	0.015
12600	0.012
12660	0.012
12720	0.012
12780	0.012
12840	0.012
12900	0.013

12960	0.012
13020	0.011
13080	0.011
13140	0.015
13200	0.012
13260	0.011
13320	0.011
13380	0.011
13440	0.011
13500	0.01
13560	0.012
13620	0.013
13680	0.011
13740	0.011
13800	0.011
13860	0.012
13920	0.012
13980	0.013
14040	0.012
14100	0.011
14160	0.011
14220	0.011
14280	0.015
14340	0.016
14400	0.013
14460	0.013
14520	0.013
14580	0.011
14640	0.012
14700	0.011
14760	0.011
14820	0.01
14880	0.01
14940	0.01
15000	0.013
15060	0.013
15120	0.011
15180	0.011
15240	0.011
15300	0.012
15360	0.01
15420	0.013
15480	0.012
15540	0.011
15600	0.011
15660	0.01
15720	0.011

15780	0.011
15840	0.012
15900	0.012
15960	0.011
16020	0.011
16080	0.011
16140	0.011
16200	0.011
16260	0.012
16320	0.017
16380	0.012
16440	0.017
16500	0.014
16560	0.013
16620	0.016
16680	0.012
16740	0.012
16800	0.012
16860	0.012
16920	0.012
16980	0.012
17040	0.012
17100	0.012
17160	0.012
17220	0.02
17280	0.022
17340	0.016
17400	0.016
17460	0.014
17520	0.014
17580	0.016
17640	0.015
17700	0.016
17760	0.015
17820	0.015
17880	0.014
17940	0.014
18000	0.016
18060	0.015
18120	0.014
18180	0.016
18240	0.015
18300	0.014
18360	0.014
18420	0.015
18480	0.015
18540	0.014

18600	0.014
18660	0.013
18720	0.014
18780	0.013
18840	0.013
18900	0.013
18960	0.013
19020	0.014
19080	0.024
19140	0.016
19200	0.026
19260	0.016
19320	0.016
19380	0.018
19440	0.017
19500	0.015
19560	0.015
19620	0.015
19680	0.015
19740	0.017
19800	0.019
19860	0.017
19920	0.018
19980	0.016
20040	0.016
20100	0.016
20160	0.016
20220	0.018
20280	0.019
20340	0.025
20400	0.019
20460	0.016
20520	0.015
20580	0.016
20640	0.018
20700	0.017
20760	0.017
20820	0.018
20880	0.017
20940	0.017
21000	0.016
21060	0.016
21120	0.018
21180	0.019
21240	0.019

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152906
Firmware Version	3.7
Calibration Date	7/15/2015
Test Name	MANUAL_005
Test Start Time	8:34:45 AM
Test Start Date	6/25/2019
Test Length [D:H:M]	0:06:04
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.049
Mass Minimum [mg/m3]	0.013
Mass Maximum [mg/m3]	0.097
Mass TWA [mg/m3]	0.037
Photometric User Cal	0.79
Flow User Cal	0
Errors	
Number of Samples	364

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.022		
120	0.02		
180	0.019		
240	0.018		
300	0.017		
360	0.016		
420	0.019		
480	0.016		
540	0.014		
600	0.013		
660	0.014		
720	0.014		
780	0.013		
840	0.017		
900	0.018		
960	0.016		
1020	0.018		
1080	0.013		
1140	0.015		
1200	0.019		
1260	0.016		
1320	0.014		
1380	0.014		
1440	0.016		
1500	0.015		
1560	0.015		
1620	0.018		

1680	0.021
1740	0.015
1800	0.031
1860	0.019
1920	0.023
1980	0.016
2040	0.016
2100	0.016
2160	0.016
2220	0.017
2280	0.02
2340	0.023
2400	0.017
2460	0.017
2520	0.017
2580	0.018
2640	0.017
2700	0.017
2760	0.018
2820	0.019
2880	0.019
2940	0.017
3000	0.018
3060	0.018
3120	0.018
3180	0.019
3240	0.02
3300	0.018
3360	0.018
3420	0.019
3480	0.019
3540	0.019
3600	0.022
3660	0.051
3720	0.033
3780	0.021
3840	0.021
3900	0.021
3960	0.022
4020	0.022
4080	0.024
4140	0.029
4200	0.025
4260	0.048
4320	0.027
4380	0.024
4440	0.026

4500	0.024
4560	0.023
4620	0.023
4680	0.024
4740	0.024
4800	0.024
4860	0.024
4920	0.024
4980	0.025
5040	0.026
5100	0.027
5160	0.031
5220	0.03
5280	0.027
5340	0.027
5400	0.028
5460	0.028
5520	0.028
5580	0.028
5640	0.028
5700	0.029
5760	0.03
5820	0.029
5880	0.029
5940	0.03
6000	0.03
6060	0.031
6120	0.031
6180	0.034
6240	0.031
6300	0.03
6360	0.031
6420	0.032
6480	0.032
6540	0.033
6600	0.034
6660	0.034
6720	0.034
6780	0.033
6840	0.033
6900	0.033
6960	0.033
7020	0.034
7080	0.035
7140	0.034
7200	0.035
7260	0.034

7320	0.035
7380	0.033
7440	0.033
7500	0.035
7560	0.036
7620	0.036
7680	0.036
7740	0.037
7800	0.038
7860	0.038
7920	0.04
7980	0.04
8040	0.038
8100	0.039
8160	0.039
8220	0.04
8280	0.041
8340	0.041
8400	0.044
8460	0.045
8520	0.046
8580	0.046
8640	0.048
8700	0.048
8760	0.048
8820	0.055
8880	0.055
8940	0.097
9000	0.058
9060	0.056
9120	0.056
9180	0.063
9240	0.059
9300	0.057
9360	0.062
9420	0.061
9480	0.067
9540	0.057
9600	0.054
9660	0.059
9720	0.057
9780	0.056
9840	0.057
9900	0.057
9960	0.06
10020	0.061
10080	0.061

10140	0.062
10200	0.062
10260	0.061
10320	0.062
10380	0.061
10440	0.061
10500	0.061
10560	0.059
10620	0.065
10680	0.061
10740	0.062
10800	0.065
10860	0.066
10920	0.063
10980	0.063
11040	0.063
11100	0.064
11160	0.064
11220	0.065
11280	0.066
11340	0.068
11400	0.067
11460	0.065
11520	0.065
11580	0.065
11640	0.067
11700	0.066
11760	0.065
11820	0.067
11880	0.068
11940	0.068
12000	0.069
12060	0.071
12120	0.075
12180	0.081
12240	0.087
12300	0.07
12360	0.07
12420	0.071
12480	0.07
12540	0.071
12600	0.072
12660	0.072
12720	0.074
12780	0.072
12840	0.072
12900	0.074

12960	0.073
13020	0.072
13080	0.073
13140	0.074
13200	0.075
13260	0.075
13320	0.075
13380	0.075
13440	0.075
13500	0.073
13560	0.086
13620	0.089
13680	0.076
13740	0.074
13800	0.073
13860	0.074
13920	0.076
13980	0.074
14040	0.074
14100	0.075
14160	0.075
14220	0.078
14280	0.078
14340	0.078
14400	0.088
14460	0.077
14520	0.074
14580	0.074
14640	0.073
14700	0.082
14760	0.072
14820	0.067
14880	0.065
14940	0.066
15000	0.062
15060	0.062
15120	0.063
15180	0.065
15240	0.065
15300	0.069
15360	0.067
15420	0.066
15480	0.067
15540	0.067
15600	0.068
15660	0.07
15720	0.068

15780	0.068
15840	0.067
15900	0.068
15960	0.065
16020	0.063
16080	0.066
16140	0.069
16200	0.066
16260	0.069
16320	0.064
16380	0.063
16440	0.065
16500	0.075
16560	0.065
16620	0.065
16680	0.065
16740	0.065
16800	0.066
16860	0.066
16920	0.064
16980	0.062
17040	0.062
17100	0.06
17160	0.059
17220	0.059
17280	0.061
17340	0.059
17400	0.054
17460	0.057
17520	0.058
17580	0.059
17640	0.061
17700	0.058
17760	0.057
17820	0.057
17880	0.057
17940	0.058
18000	0.057
18060	0.056
18120	0.056
18180	0.055
18240	0.055
18300	0.055
18360	0.062
18420	0.058
18480	0.057
18540	0.058

18600	0.06
18660	0.062
18720	0.061
18780	0.059
18840	0.059
18900	0.066
18960	0.059
19020	0.059
19080	0.063
19140	0.059
19200	0.059
19260	0.058
19320	0.057
19380	0.061
19440	0.066
19500	0.062
19560	0.059
19620	0.059
19680	0.059
19740	0.063
19800	0.061
19860	0.06
19920	0.059
19980	0.061
20040	0.071
20100	0.069
20160	0.061
20220	0.061
20280	0.06
20340	0.061
20400	0.063
20460	0.066
20520	0.066
20580	0.064
20640	0.067
20700	0.067
20760	0.069
20820	0.073
20880	0.071
20940	0.064
21000	0.062
21060	0.06
21120	0.056
21180	0.053
21240	0.051
21300	0.067
21360	0.06

21420	0.056
21480	0.055
21540	0.052
21600	0.053
21660	0.05
21720	0.047
21780	0.045
21840	0.043

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152906
Firmware Version	3.7
Calibration Date	7/15/2015
Test Name	MANUAL_006
Test Start Time	8:13:21 AM
Test Start Date	6/26/2019
Test Length [D:H:M]	0:06:33
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.028
Mass Minimum [mg/m3]	0.01
Mass Maximum [mg/m3]	0.24
Mass TWA [mg/m3]	0.023
Photometric User Cal	0.79
Flow User Cal	0
Errors	
Number of Samples	393

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.031		
120	0.023		
180	0.041		
240	0.05		
300	0.048		
360	0.028		
420	0.038		
480	0.032		
540	0.052		
600	0.071		
660	0.037		
720	0.041		
780	0.043		
840	0.037		
900	0.032		
960	0.047		
1020	0.063		
1080	0.046		
1140	0.046		
1200	0.053		
1260	0.037		
1320	0.24		
1380	0.099		
1440	0.055		
1500	0.127		
1560	0.105		
1620	0.052		

1680	0.044
1740	0.049
1800	0.043
1860	0.042
1920	0.029
1980	0.028
2040	0.037
2100	0.048
2160	0.036
2220	0.025
2280	0.026
2340	0.029
2400	0.03
2460	0.032
2520	0.036
2580	0.05
2640	0.028
2700	0.027
2760	0.043
2820	0.025
2880	0.028
2940	0.04
3000	0.035
3060	0.038
3120	0.033
3180	0.028
3240	0.026
3300	0.028
3360	0.034
3420	0.028
3480	0.026
3540	0.025
3600	0.027
3660	0.023
3720	0.027
3780	0.035
3840	0.025
3900	0.024
3960	0.03
4020	0.032
4080	0.037
4140	0.037
4200	0.031
4260	0.035
4320	0.032
4380	0.027
4440	0.028

4500	0.074
4560	0.025
4620	0.024
4680	0.024
4740	0.034
4800	0.024
4860	0.022
4920	0.024
4980	0.037
5040	0.036
5100	0.037
5160	0.023
5220	0.02
5280	0.026
5340	0.023
5400	0.028
5460	0.026
5520	0.018
5580	0.025
5640	0.02
5700	0.022
5760	0.021
5820	0.022
5880	0.026
5940	0.024
6000	0.023
6060	0.035
6120	0.026
6180	0.029
6240	0.027
6300	0.027
6360	0.024
6420	0.027
6480	0.021
6540	0.03
6600	0.039
6660	0.028
6720	0.029
6780	0.027
6840	0.025
6900	0.028
6960	0.032
7020	0.03
7080	0.029
7140	0.021
7200	0.033
7260	0.03

7320	0.026
7380	0.026
7440	0.028
7500	0.03
7560	0.041
7620	0.033
7680	0.029
7740	0.029
7800	0.036
7860	0.041
7920	0.044
7980	0.033
8040	0.03
8100	0.023
8160	0.034
8220	0.027
8280	0.025
8340	0.027
8400	0.025
8460	0.038
8520	0.028
8580	0.035
8640	0.026
8700	0.022
8760	0.032
8820	0.043
8880	0.027
8940	0.018
9000	0.019
9060	0.023
9120	0.026
9180	0.018
9240	0.013
9300	0.013
9360	0.028
9420	0.053
9480	0.048
9540	0.037
9600	0.029
9660	0.023
9720	0.198
9780	0.039
9840	0.027
9900	0.032
9960	0.023
10020	0.017
10080	0.021

10140	0.018
10200	0.017
10260	0.025
10320	0.018
10380	0.014
10440	0.016
10500	0.02
10560	0.032
10620	0.027
10680	0.027
10740	0.023
10800	0.027
10860	0.034
10920	0.046
10980	0.028
11040	0.036
11100	0.029
11160	0.035
11220	0.028
11280	0.024
11340	0.023
11400	0.021
11460	0.034
11520	0.036
11580	0.017
11640	0.033
11700	0.026
11760	0.037
11820	0.025
11880	0.033
11940	0.039
12000	0.036
12060	0.032
12120	0.031
12180	0.019
12240	0.021
12300	0.023
12360	0.027
12420	0.027
12480	0.035
12540	0.039
12600	0.046
12660	0.021
12720	0.024
12780	0.024
12840	0.024
12900	0.038

12960	0.051
13020	0.039
13080	0.057
13140	0.04
13200	0.028
13260	0.032
13320	0.031
13380	0.025
13440	0.023
13500	0.036
13560	0.021
13620	0.018
13680	0.016
13740	0.015
13800	0.016
13860	0.019
13920	0.01
13980	0.011
14040	0.01
14100	0.01
14160	0.011
14220	0.01
14280	0.014
14340	0.019
14400	0.018
14460	0.014
14520	0.025
14580	0.01
14640	0.01
14700	0.012
14760	0.01
14820	0.014
14880	0.01
14940	0.035
15000	0.015
15060	0.015
15120	0.021
15180	0.017
15240	0.02
15300	0.01
15360	0.01
15420	0.01
15480	0.01
15540	0.012
15600	0.013
15660	0.013
15720	0.011

15780	0.011
15840	0.01
15900	0.011
15960	0.014
16020	0.013
16080	0.021
16140	0.031
16200	0.024
16260	0.029
16320	0.036
16380	0.041
16440	0.012
16500	0.023
16560	0.047
16620	0.023
16680	0.02
16740	0.019
16800	0.03
16860	0.038
16920	0.027
16980	0.03
17040	0.034
17100	0.021
17160	0.019
17220	0.036
17280	0.032
17340	0.033
17400	0.02
17460	0.019
17520	0.035
17580	0.029
17640	0.015
17700	0.023
17760	0.03
17820	0.032
17880	0.026
17940	0.019
18000	0.015
18060	0.018
18120	0.02
18180	0.017
18240	0.023
18300	0.016
18360	0.015
18420	0.014
18480	0.018
18540	0.027

18600	0.025
18660	0.023
18720	0.018
18780	0.021
18840	0.02
18900	0.025
18960	0.03
19020	0.022
19080	0.013
19140	0.013
19200	0.014
19260	0.016
19320	0.018
19380	0.011
19440	0.036
19500	0.016
19560	0.017
19620	0.016
19680	0.017
19740	0.019
19800	0.022
19860	0.012
19920	0.012
19980	0.017
20040	0.021
20100	0.019
20160	0.014
20220	0.019
20280	0.02
20340	0.017
20400	0.013
20460	0.011
20520	0.013
20580	0.012
20640	0.012
20700	0.013
20760	0.066
20820	0.031
20880	0.024
20940	0.017
21000	0.011
21060	0.011
21120	0.011
21180	0.017
21240	0.04
21300	0.015
21360	0.015

21420	0.017
21480	0.019
21540	0.029
21600	0.015
21660	0.013
21720	0.014
21780	0.016
21840	0.025
21900	0.023
21960	0.018
22020	0.02
22080	0.014
22140	0.012
22200	0.014
22260	0.016
22320	0.015
22380	0.013
22440	0.011
22500	0.011
22560	0.019
22620	0.016
22680	0.018
22740	0.013
22800	0.023
22860	0.051
22920	0.056
22980	0.024
23040	0.023
23100	0.022
23160	0.016
23220	0.015
23280	0.018
23340	0.018
23400	0.013
23460	0.014
23520	0.012
23580	0.013

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530152906
Firmware Version	3.7
Calibration Date	7/15/2015
Test Name	MANUAL_007
Test Start Time	8:38:58 AM
Test Start Date	6/27/2019
Test Length [D:H:M]	0:04:46
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.017
Mass Minimum [mg/m3]	0.008
Mass Maximum [mg/m3]	0.132
Mass TWA [mg/m3]	0.01
Photometric User Cal	0.79
Flow User Cal	0
Errors	
Number of Samples	286

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.019		
120	0.018		
180	0.019		
240	0.037		
300	0.025		
360	0.018		
420	0.018		
480	0.016		
540	0.018		
600	0.016		
660	0.016		
720	0.018		
780	0.018		
840	0.017		
900	0.016		
960	0.016		
1020	0.016		
1080	0.02		
1140	0.019		
1200	0.017		
1260	0.015		
1320	0.014		
1380	0.014		
1440	0.013		
1500	0.013		
1560	0.014		
1620	0.034		

1680	0.022
1740	0.019
1800	0.013
1860	0.021
1920	0.024
1980	0.022
2040	0.019
2100	0.015
2160	0.021
2220	0.018
2280	0.012
2340	0.011
2400	0.011
2460	0.011
2520	0.011
2580	0.013
2640	0.024
2700	0.017
2760	0.018
2820	0.012
2880	0.011
2940	0.012
3000	0.011
3060	0.012
3120	0.012
3180	0.01
3240	0.01
3300	0.01
3360	0.01
3420	0.01
3480	0.012
3540	0.01
3600	0.009
3660	0.01
3720	0.009
3780	0.032
3840	0.029
3900	0.024
3960	0.012
4020	0.017
4080	0.015
4140	0.021
4200	0.014
4260	0.013
4320	0.013
4380	0.047
4440	0.057

4500	0.023
4560	0.011
4620	0.009
4680	0.009
4740	0.009
4800	0.011
4860	0.01
4920	0.009
4980	0.009
5040	0.023
5100	0.033
5160	0.014
5220	0.017
5280	0.012
5340	0.014
5400	0.018
5460	0.009
5520	0.009
5580	0.008
5640	0.008
5700	0.008
5760	0.009
5820	0.01
5880	0.011
5940	0.009
6000	0.009
6060	0.011
6120	0.012
6180	0.013
6240	0.013
6300	0.015
6360	0.016
6420	0.02
6480	0.034
6540	0.022
6600	0.025
6660	0.019
6720	0.011
6780	0.013
6840	0.012
6900	0.015
6960	0.01
7020	0.01
7080	0.009
7140	0.009
7200	0.025
7260	0.024

7320	0.017
7380	0.01
7440	0.009
7500	0.01
7560	0.017
7620	0.02
7680	0.022
7740	0.016
7800	0.025
7860	0.011
7920	0.015
7980	0.018
8040	0.017
8100	0.014
8160	0.015
8220	0.016
8280	0.013
8340	0.014
8400	0.012
8460	0.015
8520	0.015
8580	0.013
8640	0.022
8700	0.03
8760	0.019
8820	0.012
8880	0.012
8940	0.013
9000	0.013
9060	0.014
9120	0.023
9180	0.016
9240	0.015
9300	0.014
9360	0.013
9420	0.014
9480	0.022
9540	0.018
9600	0.019
9660	0.025
9720	0.015
9780	0.014
9840	0.014
9900	0.016
9960	0.013
10020	0.019
10080	0.017

10140	0.012
10200	0.014
10260	0.014
10320	0.013
10380	0.013
10440	0.015
10500	0.016
10560	0.021
10620	0.018
10680	0.016
10740	0.017
10800	0.015
10860	0.02
10920	0.02
10980	0.015
11040	0.022
11100	0.016
11160	0.013
11220	0.013
11280	0.014
11340	0.013
11400	0.013
11460	0.012
11520	0.015
11580	0.017
11640	0.016
11700	0.014
11760	0.013
11820	0.013
11880	0.013
11940	0.013
12000	0.014
12060	0.013
12120	0.012
12180	0.012
12240	0.013
12300	0.013
12360	0.013
12420	0.018
12480	0.017
12540	0.018
12600	0.015
12660	0.015
12720	0.018
12780	0.018
12840	0.016
12900	0.017

12960	0.021
13020	0.017
13080	0.017
13140	0.02
13200	0.132
13260	0.038
13320	0.026
13380	0.016
13440	0.017
13500	0.038
13560	0.023
13620	0.021
13680	0.015
13740	0.017
13800	0.027
13860	0.019
13920	0.017
13980	0.016
14040	0.016
14100	0.027
14160	0.025
14220	0.018
14280	0.024
14340	0.026
14400	0.019
14460	0.018
14520	0.021
14580	0.017
14640	0.017
14700	0.018
14760	0.016
14820	0.016
14880	0.039
14940	0.018
15000	0.017
15060	0.018
15120	0.02
15180	0.021
15240	0.023
15300	0.016
15360	0.016
15420	0.019
15480	0.026
15540	0.02
15600	0.026
15660	0.022
15720	0.019

15780	0.017
15840	0.016
15900	0.016
15960	0.016
16020	0.018
16080	0.016
16140	0.016
16200	0.015
16260	0.016
16320	0.031
16380	0.032
16440	0.022
16500	0.018
16560	0.017
16620	0.017
16680	0.016
16740	0.03
16800	0.022
16860	0.018
16920	0.016
16980	0.017
17040	0.016
17100	0.016
17160	0.024

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19/03/27 07:37
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin 3/27/2019 07:37:30
End 3/27/2019 14:24:03
Sample Period(s) 60
Number of Records 406

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 3/22/2019 09:41
Peak 0.1
Min 0.0
Average 0.0

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	3/27/2019 07:38:30	0.0	0.0	0.0	0.0
002	3/27/2019 07:39:30	0.0	0.0	0.0	0.0
003	3/27/2019 07:40:30	0.0	0.0	0.0	0.0
004	3/27/2019 07:41:30	0.0	0.0	0.0	0.0
005	3/27/2019 07:42:30	0.0	0.0	0.0	0.0
006	3/27/2019 07:43:30	0.0	0.0	0.0	0.0
007	3/27/2019 07:44:30	0.0	0.0	0.0	0.0
008	3/27/2019 07:45:30	0.0	0.0	0.0	0.0
009	3/27/2019 07:46:30	0.0	0.0	0.0	0.0
010	3/27/2019 07:47:30	0.0	0.0	0.0	0.0
011	3/27/2019 07:48:30	0.0	0.0	0.0	0.0
012	3/27/2019 07:49:30	0.0	0.0	0.0	0.0
013	3/27/2019 07:50:30	0.0	0.0	0.0	0.0
014	3/27/2019 07:51:30	0.0	0.0	0.0	0.0

015	3/27/2019 07:52:30	0.0	0.0	0.0	0.0
016	3/27/2019 07:53:30	0.0	0.0	0.0	0.0
017	3/27/2019 07:54:30	0.0	0.0	0.0	0.0
018	3/27/2019 07:55:30	0.0	0.0	0.0	0.0
019	3/27/2019 07:56:30	0.0	0.0	0.0	0.0
020	3/27/2019 07:57:30	0.0	0.0	0.0	0.0
021	3/27/2019 07:58:30	0.0	0.0	0.0	0.0
022	3/27/2019 07:59:30	0.0	0.0	0.0	0.0
023	3/27/2019 08:00:30	0.0	0.0	0.0	0.0
024	3/27/2019 08:01:30	0.0	0.0	0.0	0.0
025	3/27/2019 08:02:30	0.0	0.0	0.0	0.0
026	3/27/2019 08:03:30	0.0	0.0	0.0	0.0
027	3/27/2019 08:04:30	0.0	0.0	0.0	0.0
028	3/27/2019 08:05:30	0.0	0.0	0.0	0.0
029	3/27/2019 08:06:30	0.0	0.0	0.0	0.0
030	3/27/2019 08:07:30	0.0	0.0	0.0	0.0
031	3/27/2019 08:08:30	0.0	0.0	0.0	0.0
032	3/27/2019 08:09:30	0.0	0.0	0.0	0.0
033	3/27/2019 08:10:30	0.0	0.0	0.0	0.0
034	3/27/2019 08:11:30	0.0	0.0	0.0	0.0
035	3/27/2019 08:12:30	0.0	0.0	0.0	0.0
036	3/27/2019 08:13:30	0.0	0.0	0.0	0.0
037	3/27/2019 08:14:30	0.0	0.0	0.0	0.0
038	3/27/2019 08:15:30	0.0	0.0	0.0	0.0
039	3/27/2019 08:16:30	0.0	0.0	0.0	0.0
040	3/27/2019 08:17:30	0.0	0.0	0.0	0.0
041	3/27/2019 08:18:30	0.0	0.0	0.0	0.0
042	3/27/2019 08:19:30	0.0	0.0	0.0	0.0
043	3/27/2019 08:20:30	0.0	0.0	0.0	0.0
044	3/27/2019 08:21:30	0.0	0.0	0.0	0.0
045	3/27/2019 08:22:30	0.0	0.0	0.0	0.0
046	3/27/2019 08:23:30	0.0	0.0	0.0	0.0
047	3/27/2019 08:24:30	0.0	0.0	0.0	0.0
048	3/27/2019 08:25:30	0.0	0.0	0.0	0.0
049	3/27/2019 08:26:30	0.0	0.0	0.0	0.0
050	3/27/2019 08:27:30	0.0	0.0	0.0	0.0
051	3/27/2019 08:28:30	0.0	0.0	0.0	0.0
052	3/27/2019 08:29:30	0.0	0.0	0.0	0.0
053	3/27/2019 08:30:30	0.0	0.0	0.0	0.0
054	3/27/2019 08:31:30	0.0	0.0	0.0	0.0
055	3/27/2019 08:32:30	0.0	0.0	0.0	0.0
056	3/27/2019 08:33:30	0.0	0.0	0.0	0.0
057	3/27/2019 08:34:30	0.0	0.0	0.0	0.0
058	3/27/2019 08:35:30	0.0	0.0	0.0	0.0
059	3/27/2019 08:36:30	0.0	0.0	0.0	0.0
060	3/27/2019 08:37:30	0.0	0.0	0.0	0.0
061	3/27/2019 08:38:30	0.0	0.0	0.0	0.0
062	3/27/2019 08:39:30	0.0	0.0	0.0	0.0
063	3/27/2019 08:40:30	0.0	0.0	0.0	0.0
064	3/27/2019 08:41:30	0.0	0.0	0.0	0.0
065	3/27/2019 08:42:30	0.0	0.0	0.0	0.0
066	3/27/2019 08:43:30	0.0	0.0	0.0	0.0
067	3/27/2019 08:44:30	0.0	0.0	0.0	0.0
068	3/27/2019 08:45:30	0.0	0.0	0.0	0.0
069	3/27/2019 08:46:30	0.0	0.0	0.0	0.0
070	3/27/2019 08:47:30	0.0	0.0	0.0	0.0
071	3/27/2019 08:48:30	0.0	0.0	0.0	0.0

072	3/27/2019 08:49:30	0.0	0.0	0.0	0.0
073	3/27/2019 08:50:30	0.0	0.0	0.0	0.0
074	3/27/2019 08:51:30	0.0	0.0	0.0	0.0
075	3/27/2019 08:52:30	0.0	0.0	0.0	0.0
076	3/27/2019 08:53:30	0.0	0.0	0.0	0.0
077	3/27/2019 08:54:30	0.0	0.0	0.0	0.0
078	3/27/2019 08:55:30	0.0	0.0	0.0	0.0
079	3/27/2019 08:56:30	0.0	0.0	0.0	0.0
080	3/27/2019 08:57:30	0.0	0.0	0.0	0.0
081	3/27/2019 08:58:30	0.0	0.0	0.0	0.0
082	3/27/2019 08:59:30	0.0	0.0	0.0	0.0
083	3/27/2019 09:00:30	0.0	0.0	0.0	0.0
084	3/27/2019 09:01:30	0.0	0.0	0.0	0.0
085	3/27/2019 09:02:30	0.0	0.0	0.0	0.0
086	3/27/2019 09:03:30	0.0	0.0	0.0	0.0
087	3/27/2019 09:04:30	0.0	0.0	0.0	0.0
088	3/27/2019 09:05:30	0.0	0.0	0.0	0.0
089	3/27/2019 09:06:30	0.0	0.0	0.0	0.0
090	3/27/2019 09:07:30	0.0	0.0	0.0	0.0
091	3/27/2019 09:08:30	0.0	0.0	0.0	0.0
092	3/27/2019 09:09:30	0.0	0.0	0.0	0.0
093	3/27/2019 09:10:30	0.0	0.0	0.0	0.0
094	3/27/2019 09:11:30	0.0	0.0	0.0	0.0
095	3/27/2019 09:12:30	0.0	0.0	0.0	0.0
096	3/27/2019 09:13:30	0.0	0.0	0.0	0.0
097	3/27/2019 09:14:30	0.0	0.0	0.0	0.0
098	3/27/2019 09:15:30	0.0	0.0	0.0	0.0
099	3/27/2019 09:16:30	0.0	0.0	0.0	0.0
100	3/27/2019 09:17:30	0.0	0.0	0.0	0.0
101	3/27/2019 09:18:30	0.0	0.0	0.0	0.0
102	3/27/2019 09:19:30	0.0	0.0	0.0	0.0
103	3/27/2019 09:20:30	0.0	0.0	0.0	0.0
104	3/27/2019 09:21:30	0.0	0.0	0.0	0.0
105	3/27/2019 09:22:30	0.0	0.0	0.0	0.0
106	3/27/2019 09:23:30	0.0	0.0	0.0	0.0
107	3/27/2019 09:24:30	0.0	0.0	0.0	0.0
108	3/27/2019 09:25:30	0.0	0.0	0.0	0.0
109	3/27/2019 09:26:30	0.0	0.0	0.0	0.0
110	3/27/2019 09:27:30	0.0	0.0	0.0	0.0
111	3/27/2019 09:28:30	0.0	0.0	0.0	0.0
112	3/27/2019 09:29:30	0.0	0.0	0.0	0.0
113	3/27/2019 09:30:30	0.0	0.0	0.0	0.0
114	3/27/2019 09:31:30	0.0	0.0	0.0	0.0
115	3/27/2019 09:32:30	0.0	0.0	0.0	0.0
116	3/27/2019 09:33:30	0.0	0.0	0.0	0.0
117	3/27/2019 09:34:30	0.0	0.0	0.0	0.0
118	3/27/2019 09:35:30	0.0	0.0	0.0	0.0
119	3/27/2019 09:36:30	0.0	0.0	0.0	0.0
120	3/27/2019 09:37:30	0.0	0.0	0.0	0.0
121	3/27/2019 09:38:30	0.0	0.0	0.0	0.0
122	3/27/2019 09:39:30	0.0	0.0	0.0	0.0
123	3/27/2019 09:40:30	0.0	0.0	0.0	0.0
124	3/27/2019 09:41:30	0.0	0.0	0.0	0.0
125	3/27/2019 09:42:30	0.0	0.0	0.0	0.0
126	3/27/2019 09:43:30	0.0	0.0	0.0	0.0
127	3/27/2019 09:44:30	0.0	0.0	0.0	0.0
128	3/27/2019 09:45:30	0.0	0.0	0.0	0.0

129	3/27/2019 09:46:30	0.0	0.0	0.0	0.0
130	3/27/2019 09:47:30	0.0	0.0	0.0	0.0
131	3/27/2019 09:48:30	0.0	0.0	0.0	0.0
132	3/27/2019 09:49:30	0.0	0.0	0.0	0.0
133	3/27/2019 09:50:30	0.0	0.0	0.0	0.0
134	3/27/2019 09:51:30	0.0	0.0	0.0	0.0
135	3/27/2019 09:52:30	0.0	0.0	0.0	0.0
136	3/27/2019 09:53:30	0.0	0.0	0.0	0.0
137	3/27/2019 09:54:30	0.0	0.0	0.0	0.0
138	3/27/2019 09:55:30	0.0	0.0	0.0	0.0
139	3/27/2019 09:56:30	0.0	0.0	0.0	0.0
140	3/27/2019 09:57:30	0.0	0.0	0.0	0.0
141	3/27/2019 09:58:30	0.0	0.0	0.0	0.0
142	3/27/2019 09:59:30	0.0	0.0	0.0	0.0
143	3/27/2019 10:00:30	0.0	0.0	0.0	0.0
144	3/27/2019 10:01:30	0.0	0.0	0.0	0.0
145	3/27/2019 10:02:30	0.0	0.0	0.0	0.0
146	3/27/2019 10:03:30	0.0	0.0	0.0	0.0
147	3/27/2019 10:04:30	0.0	0.0	0.0	0.0
148	3/27/2019 10:05:30	0.0	0.0	0.0	0.0
149	3/27/2019 10:06:30	0.0	0.0	0.0	0.0
150	3/27/2019 10:07:30	0.0	0.0	0.0	0.0
151	3/27/2019 10:08:30	0.0	0.0	0.0	0.0
152	3/27/2019 10:09:30	0.0	0.0	0.0	0.0
153	3/27/2019 10:10:30	0.0	0.0	0.0	0.0
154	3/27/2019 10:11:30	0.0	0.0	0.0	0.0
155	3/27/2019 10:12:30	0.0	0.0	0.0	0.0
156	3/27/2019 10:13:30	0.0	0.0	0.0	0.0
157	3/27/2019 10:14:30	0.0	0.0	0.0	0.0
158	3/27/2019 10:15:30	0.0	0.0	0.0	0.0
159	3/27/2019 10:16:30	0.0	0.0	0.0	0.0
160	3/27/2019 10:17:30	0.0	0.0	0.0	0.0
161	3/27/2019 10:18:30	0.0	0.0	0.0	0.0
162	3/27/2019 10:19:30	0.0	0.0	0.0	0.0
163	3/27/2019 10:20:30	0.0	0.0	0.0	0.0
164	3/27/2019 10:21:30	0.0	0.0	0.0	0.0
165	3/27/2019 10:22:30	0.0	0.0	0.0	0.0
166	3/27/2019 10:23:30	0.0	0.0	0.0	0.0
167	3/27/2019 10:24:30	0.0	0.0	0.0	0.0
168	3/27/2019 10:25:30	0.0	0.0	0.0	0.0
169	3/27/2019 10:26:30	0.0	0.0	0.0	0.0
170	3/27/2019 10:27:30	0.0	0.0	0.0	0.0
171	3/27/2019 10:28:30	0.0	0.0	0.0	0.0
172	3/27/2019 10:29:30	0.0	0.0	0.0	0.0
173	3/27/2019 10:30:30	0.0	0.0	0.0	0.0
174	3/27/2019 10:31:30	0.0	0.0	0.0	0.0
175	3/27/2019 10:32:30	0.0	0.0	0.0	0.0
176	3/27/2019 10:33:30	0.0	0.0	0.0	0.0
177	3/27/2019 10:34:30	0.0	0.0	0.0	0.0
178	3/27/2019 10:35:30	0.0	0.0	0.0	0.0
179	3/27/2019 10:36:30	0.0	0.0	0.0	0.0
180	3/27/2019 10:37:30	0.0	0.0	0.0	0.0
181	3/27/2019 10:38:30	0.0	0.0	0.0	0.0
182	3/27/2019 10:39:30	0.0	0.0	0.0	0.0
183	3/27/2019 10:40:30	0.0	0.0	0.0	0.0
184	3/27/2019 10:41:30	0.0	0.0	0.0	0.0
185	3/27/2019 10:42:30	0.0	0.0	0.0	0.0

186	3/27/2019	10:43:30	0.0	0.0	0.0	0.0
187	3/27/2019	10:44:30	0.0	0.0	0.0	0.0
188	3/27/2019	10:45:30	0.0	0.0	0.0	0.0
189	3/27/2019	10:46:30	0.0	0.0	0.0	0.0
190	3/27/2019	10:47:30	0.0	0.0	0.0	0.0
191	3/27/2019	10:48:30	0.0	0.0	0.0	0.0
192	3/27/2019	10:49:30	0.0	0.0	0.0	0.0
193	3/27/2019	10:50:30	0.0	0.0	0.0	0.0
194	3/27/2019	10:51:30	0.0	0.0	0.0	0.0
195	3/27/2019	10:52:30	0.0	0.0	0.0	0.0
196	3/27/2019	10:53:30	0.0	0.0	0.0	0.0
197	3/27/2019	10:54:30	0.0	0.0	0.0	0.0
198	3/27/2019	10:55:30	0.0	0.0	0.0	0.0
199	3/27/2019	10:56:30	0.0	0.0	0.0	0.0
200	3/27/2019	10:57:30	0.0	0.0	0.0	0.0
201	3/27/2019	10:58:30	0.0	0.0	0.0	0.0
202	3/27/2019	10:59:30	0.0	0.0	0.0	0.0
203	3/27/2019	11:00:30	0.0	0.0	0.0	0.0
204	3/27/2019	11:01:30	0.0	0.0	0.0	0.0
205	3/27/2019	11:02:30	0.0	0.0	0.0	0.0
206	3/27/2019	11:03:30	0.0	0.0	0.0	0.0
207	3/27/2019	11:04:30	0.0	0.0	0.0	0.0
208	3/27/2019	11:05:30	0.0	0.0	0.0	0.0
209	3/27/2019	11:06:30	0.0	0.0	0.0	0.0
210	3/27/2019	11:07:30	0.0	0.0	0.0	0.0
211	3/27/2019	11:08:30	0.0	0.0	0.0	0.0
212	3/27/2019	11:09:30	0.0	0.0	0.0	0.0
213	3/27/2019	11:10:30	0.0	0.0	0.0	0.0
214	3/27/2019	11:11:30	0.0	0.0	0.0	0.0
215	3/27/2019	11:12:30	0.0	0.0	0.0	0.0
216	3/27/2019	11:13:30	0.0	0.0	0.0	0.0
217	3/27/2019	11:14:30	0.0	0.0	0.0	0.0
218	3/27/2019	11:15:30	0.0	0.0	0.0	0.0
219	3/27/2019	11:16:30	0.0	0.0	0.0	0.0
220	3/27/2019	11:17:30	0.0	0.0	0.0	0.0
221	3/27/2019	11:18:30	0.0	0.0	0.0	0.0
222	3/27/2019	11:19:30	0.0	0.0	0.0	0.0
223	3/27/2019	11:20:30	0.0	0.0	0.0	0.0
224	3/27/2019	11:21:30	0.0	0.0	0.0	0.0
225	3/27/2019	11:22:30	0.0	0.0	0.0	0.0
226	3/27/2019	11:23:30	0.0	0.0	0.0	0.0
227	3/27/2019	11:24:30	0.0	0.0	0.0	0.0
228	3/27/2019	11:25:30	0.0	0.0	0.0	0.0
229	3/27/2019	11:26:30	0.0	0.0	0.0	0.0
230	3/27/2019	11:27:30	0.0	0.0	0.0	0.0
231	3/27/2019	11:28:30	0.0	0.0	0.1	0.1
232	3/27/2019	11:29:30	0.0	0.0	0.1	0.0
233	3/27/2019	11:30:30	0.0	0.0	0.0	0.0
234	3/27/2019	11:31:30	0.0	0.0	0.0	0.0
235	3/27/2019	11:32:30	0.0	0.0	0.0	0.0
236	3/27/2019	11:33:30	0.0	0.0	0.0	0.0
237	3/27/2019	11:34:30	0.0	0.0	0.0	0.0
238	3/27/2019	11:35:30	0.0	0.0	0.0	0.0
239	3/27/2019	11:36:30	0.0	0.0	0.0	0.0
240	3/27/2019	11:37:30	0.0	0.0	0.0	0.0
241	3/27/2019	11:38:30	0.0	0.0	0.0	0.0
242	3/27/2019	11:39:30	0.0	0.0	0.0	0.0

243	3/27/2019	11:40:30	0.0	0.0	0.0	0.0
244	3/27/2019	11:41:30	0.0	0.0	0.0	0.0
245	3/27/2019	11:42:30	0.0	0.0	0.0	0.0
246	3/27/2019	11:43:30	0.0	0.0	0.0	0.0
247	3/27/2019	11:44:30	0.0	0.0	0.0	0.0
248	3/27/2019	11:45:30	0.0	0.0	0.0	0.0
249	3/27/2019	11:46:30	0.0	0.0	0.0	0.0
250	3/27/2019	11:47:30	0.0	0.0	0.0	0.0
251	3/27/2019	11:48:30	0.0	0.0	0.0	0.0
252	3/27/2019	11:49:30	0.0	0.0	0.0	0.0
253	3/27/2019	11:50:30	0.0	0.0	0.0	0.0
254	3/27/2019	11:51:30	0.0	0.0	0.0	0.0
255	3/27/2019	11:52:30	0.0	0.0	0.0	0.0
256	3/27/2019	11:53:30	0.0	0.0	0.0	0.0
257	3/27/2019	11:54:30	0.0	0.0	0.0	0.0
258	3/27/2019	11:55:30	0.0	0.0	0.0	0.0
259	3/27/2019	11:56:30	0.0	0.0	0.0	0.0
260	3/27/2019	11:57:30	0.0	0.0	0.0	0.0
261	3/27/2019	11:58:30	0.0	0.0	0.0	0.0
262	3/27/2019	11:59:30	0.0	0.0	0.0	0.0
263	3/27/2019	12:00:30	0.0	0.0	0.0	0.0
264	3/27/2019	12:01:30	0.0	0.0	0.0	0.0
265	3/27/2019	12:02:30	0.0	0.0	0.0	0.0
266	3/27/2019	12:03:30	0.0	0.0	0.0	0.0
267	3/27/2019	12:04:30	0.0	0.0	0.0	0.0
268	3/27/2019	12:05:30	0.0	0.0	0.0	0.0
269	3/27/2019	12:06:30	0.0	0.0	0.0	0.0
270	3/27/2019	12:07:30	0.0	0.0	0.0	0.0
271	3/27/2019	12:08:30	0.0	0.0	0.0	0.0
272	3/27/2019	12:09:30	0.0	0.0	0.0	0.0
273	3/27/2019	12:10:30	0.0	0.0	0.0	0.0
274	3/27/2019	12:11:30	0.0	0.0	0.0	0.0
275	3/27/2019	12:12:30	0.0	0.0	0.0	0.0
276	3/27/2019	12:13:30	0.0	0.0	0.0	0.0
277	3/27/2019	12:14:30	0.0	0.0	0.0	0.0
278	3/27/2019	12:15:30	0.0	0.0	0.0	0.0
279	3/27/2019	12:16:30	0.0	0.0	0.0	0.0
280	3/27/2019	12:17:30	0.0	0.0	0.0	0.0
281	3/27/2019	12:18:30	0.0	0.0	0.0	0.0
282	3/27/2019	12:19:30	0.0	0.0	0.0	0.0
283	3/27/2019	12:20:30	0.0	0.0	0.1	0.0
284	3/27/2019	12:21:30	0.0	0.0	0.0	0.0
285	3/27/2019	12:22:30	0.0	0.0	0.0	0.0
286	3/27/2019	12:23:30	0.0	0.0	0.0	0.0
287	3/27/2019	12:24:30	0.0	0.0	0.0	0.0
288	3/27/2019	12:25:30	0.0	0.0	0.0	0.0
289	3/27/2019	12:26:30	0.0	0.0	0.0	0.0
290	3/27/2019	12:27:30	0.0	0.0	0.0	0.0
291	3/27/2019	12:28:30	0.0	0.0	0.0	0.0
292	3/27/2019	12:29:30	0.0	0.0	0.0	0.0
293	3/27/2019	12:30:30	0.0	0.0	0.0	0.0
294	3/27/2019	12:31:30	0.0	0.0	0.0	0.0
295	3/27/2019	12:32:30	0.0	0.0	0.0	0.0
296	3/27/2019	12:33:30	0.0	0.0	0.0	0.0
297	3/27/2019	12:34:30	0.0	0.0	0.0	0.0
298	3/27/2019	12:35:30	0.0	0.0	0.0	0.0
299	3/27/2019	12:36:30	0.0	0.0	0.0	0.0

300	3/27/2019	12:37:30	0.0	0.0	0.1	0.0
301	3/27/2019	12:38:30	0.0	0.0	0.0	0.0
302	3/27/2019	12:39:30	0.0	0.0	0.0	0.0
303	3/27/2019	12:40:30	0.0	0.0	0.0	0.0
304	3/27/2019	12:41:30	0.0	0.0	0.0	0.0
305	3/27/2019	12:42:30	0.0	0.0	0.0	0.0
306	3/27/2019	12:43:30	0.0	0.0	0.0	0.0
307	3/27/2019	12:44:30	0.0	0.0	0.0	0.0
308	3/27/2019	12:45:30	0.0	0.0	0.0	0.0
309	3/27/2019	12:46:30	0.0	0.0	0.0	0.0
310	3/27/2019	12:47:30	0.0	0.1	0.2	0.1
311	3/27/2019	12:48:30	0.0	0.0	0.1	0.1
312	3/27/2019	12:49:30	0.0	0.0	0.1	0.0
313	3/27/2019	12:50:30	0.0	0.0	0.1	0.0
314	3/27/2019	12:51:30	0.0	0.0	0.0	0.0
315	3/27/2019	12:52:30	0.0	0.0	0.0	0.0
316	3/27/2019	12:53:30	0.0	0.0	0.0	0.0
317	3/27/2019	12:54:30	0.0	0.0	0.0	0.0
318	3/27/2019	12:55:30	0.0	0.0	0.0	0.0
319	3/27/2019	12:56:30	0.0	0.0	0.1	0.1
320	3/27/2019	12:57:30	0.0	0.0	0.1	0.0
321	3/27/2019	12:58:30	0.0	0.0	0.1	0.0
322	3/27/2019	12:59:30	0.0	0.0	0.0	0.0
323	3/27/2019	13:00:30	0.0	0.0	0.0	0.0
324	3/27/2019	13:01:30	0.0	0.0	0.0	0.0
325	3/27/2019	13:02:30	0.0	0.0	0.0	0.0
326	3/27/2019	13:03:30	0.0	0.0	0.0	0.0
327	3/27/2019	13:04:30	0.0	0.0	0.0	0.0
328	3/27/2019	13:05:30	0.0	0.0	0.0	0.0
329	3/27/2019	13:06:30	0.0	0.0	0.0	0.0
330	3/27/2019	13:07:30	0.0	0.0	0.0	0.0
331	3/27/2019	13:08:30	0.0	0.0	0.0	0.0
332	3/27/2019	13:09:30	0.0	0.0	0.0	0.0
333	3/27/2019	13:10:30	0.0	0.0	0.0	0.0
334	3/27/2019	13:11:30	0.0	0.0	0.1	0.1
335	3/27/2019	13:12:30	0.0	0.0	0.1	0.0
336	3/27/2019	13:13:30	0.0	0.0	0.0	0.0
337	3/27/2019	13:14:30	0.0	0.0	0.0	0.0
338	3/27/2019	13:15:30	0.0	0.0	0.0	0.0
339	3/27/2019	13:16:30	0.0	0.0	0.0	0.0
340	3/27/2019	13:17:30	0.0	0.0	0.0	0.0
341	3/27/2019	13:18:30	0.0	0.0	0.0	0.0
342	3/27/2019	13:19:30	0.0	0.0	0.0	0.0
343	3/27/2019	13:20:30	0.0	0.0	0.0	0.0
344	3/27/2019	13:21:30	0.0	0.0	0.0	0.0
345	3/27/2019	13:22:30	0.0	0.0	0.0	0.0
346	3/27/2019	13:23:30	0.0	0.0	0.0	0.0
347	3/27/2019	13:24:30	0.0	0.0	0.0	0.0
348	3/27/2019	13:25:30	0.0	0.0	0.0	0.0
349	3/27/2019	13:26:30	0.0	0.0	0.0	0.0
350	3/27/2019	13:27:30	0.0	0.0	0.0	0.0
351	3/27/2019	13:28:30	0.0	0.0	0.0	0.0
352	3/27/2019	13:29:30	0.0	0.0	0.0	0.0
353	3/27/2019	13:30:30	0.0	0.0	0.0	0.0
354	3/27/2019	13:31:30	0.0	0.0	0.1	0.0
355	3/27/2019	13:32:30	0.0	0.0	0.0	0.0
356	3/27/2019	13:33:30	0.0	0.0	0.1	0.1

357	3/27/2019	13:34:30	0.0	0.0	0.1	0.0
358	3/27/2019	13:35:30	0.0	0.0	0.0	0.0
359	3/27/2019	13:36:30	0.0	0.0	0.1	0.0
360	3/27/2019	13:37:30	0.0	0.0	0.0	0.0
361	3/27/2019	13:38:30	0.0	0.0	0.1	0.1
362	3/27/2019	13:39:30	0.0	0.0	0.1	0.0
363	3/27/2019	13:40:30	0.0	0.0	0.0	0.0
364	3/27/2019	13:41:30	0.0	0.0	0.0	0.0
365	3/27/2019	13:42:30	0.0	0.0	0.0	0.0
366	3/27/2019	13:43:30	0.0	0.0	0.1	0.1
367	3/27/2019	13:44:30	0.0	0.0	0.1	0.0
368	3/27/2019	13:45:30	0.0	0.0	0.0	0.0
369	3/27/2019	13:46:30	0.0	0.0	0.1	0.1
370	3/27/2019	13:47:30	0.0	0.1	0.1	0.0
371	3/27/2019	13:48:30	0.0	0.0	0.1	0.0
372	3/27/2019	13:49:30	0.0	0.1	0.1	0.1
373	3/27/2019	13:50:30	0.0	0.1	0.1	0.0
374	3/27/2019	13:51:30	0.0	0.0	0.1	0.0
375	3/27/2019	13:52:30	0.0	0.0	0.1	0.1
376	3/27/2019	13:53:30	0.1	0.1	0.1	0.1
377	3/27/2019	13:54:30	0.0	0.1	0.1	0.1
378	3/27/2019	13:55:30	0.0	0.1	0.1	0.0
379	3/27/2019	13:56:30	0.0	0.0	0.1	0.1
380	3/27/2019	13:57:30	0.1	0.1	0.1	0.1
381	3/27/2019	13:58:30	0.0	0.0	0.1	0.0
382	3/27/2019	13:59:30	0.0	0.0	0.1	0.1
383	3/27/2019	14:00:30	0.0	0.0	0.1	0.1
384	3/27/2019	14:01:30	0.0	0.0	0.1	0.0
385	3/27/2019	14:02:30	0.0	0.0	0.0	0.0
386	3/27/2019	14:03:30	0.0	0.0	0.0	0.0
387	3/27/2019	14:04:30	0.0	0.1	0.1	0.0
388	3/27/2019	14:05:30	0.0	0.0	0.1	0.0
389	3/27/2019	14:06:30	0.0	0.0	0.0	0.0
390	3/27/2019	14:07:30	0.0	0.0	0.1	0.0
391	3/27/2019	14:08:30	0.0	0.0	0.0	0.0
392	3/27/2019	14:09:30	0.0	0.0	0.0	0.0
393	3/27/2019	14:10:30	0.0	0.0	0.1	0.0
394	3/27/2019	14:11:30	0.0	0.0	0.0	0.0
395	3/27/2019	14:12:30	0.0	0.0	0.0	0.0
396	3/27/2019	14:13:30	0.0	0.0	0.1	0.0
397	3/27/2019	14:14:30	0.0	0.0	0.0	0.0
398	3/27/2019	14:15:30	0.0	0.0	0.1	0.0
399	3/27/2019	14:16:30	0.0	0.0	0.1	0.0
400	3/27/2019	14:17:30	0.0	0.0	0.1	0.0
401	3/27/2019	14:18:30	0.0	0.0	0.0	0.0
402	3/27/2019	14:19:30	0.0	0.0	0.0	0.0
403	3/27/2019	14:20:30	0.0	0.0	0.0	0.0
404	3/27/2019	14:21:30	0.0	0.1	0.2	0.1
405	3/27/2019	14:22:30	0.0	0.0	0.1	0.0
406	3/27/2019	14:23:30	0.0	0.0	0.1	0.0
Peak		0.1	0.1	0.2	0.1	
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	3/27/2019 07:38:30	0.0	---
002	3/27/2019 07:39:30	0.0	---
003	3/27/2019 07:40:30	0.0	---
004	3/27/2019 07:41:30	0.0	---
005	3/27/2019 07:42:30	0.0	---
006	3/27/2019 07:43:30	0.0	---
007	3/27/2019 07:44:30	0.0	---
008	3/27/2019 07:45:30	0.0	---
009	3/27/2019 07:46:30	0.0	---
010	3/27/2019 07:47:30	0.0	---
011	3/27/2019 07:48:30	0.0	---
012	3/27/2019 07:49:30	0.0	---
013	3/27/2019 07:50:30	0.0	---
014	3/27/2019 07:51:30	0.0	---
015	3/27/2019 07:52:30	0.0	0.0
016	3/27/2019 07:53:30	0.0	0.0
017	3/27/2019 07:54:30	0.0	0.0
018	3/27/2019 07:55:30	0.0	0.0
019	3/27/2019 07:56:30	0.0	0.0
020	3/27/2019 07:57:30	0.0	0.0
021	3/27/2019 07:58:30	0.0	0.0
022	3/27/2019 07:59:30	0.0	0.0
023	3/27/2019 08:00:30	0.0	0.0
024	3/27/2019 08:01:30	0.0	0.0
025	3/27/2019 08:02:30	0.0	0.0
026	3/27/2019 08:03:30	0.0	0.0
027	3/27/2019 08:04:30	0.0	0.0
028	3/27/2019 08:05:30	0.0	0.0
029	3/27/2019 08:06:30	0.0	0.0
030	3/27/2019 08:07:30	0.0	0.0
031	3/27/2019 08:08:30	0.0	0.0
032	3/27/2019 08:09:30	0.0	0.0
033	3/27/2019 08:10:30	0.0	0.0
034	3/27/2019 08:11:30	0.0	0.0
035	3/27/2019 08:12:30	0.0	0.0
036	3/27/2019 08:13:30	0.0	0.0
037	3/27/2019 08:14:30	0.0	0.0
038	3/27/2019 08:15:30	0.0	0.0
039	3/27/2019 08:16:30	0.0	0.0
040	3/27/2019 08:17:30	0.0	0.0
041	3/27/2019 08:18:30	0.0	0.0
042	3/27/2019 08:19:30	0.0	0.0
043	3/27/2019 08:20:30	0.0	0.0
044	3/27/2019 08:21:30	0.0	0.0
045	3/27/2019 08:22:30	0.0	0.0
046	3/27/2019 08:23:30	0.0	0.0
047	3/27/2019 08:24:30	0.0	0.0
048	3/27/2019 08:25:30	0.0	0.0
049	3/27/2019 08:26:30	0.0	0.0
050	3/27/2019 08:27:30	0.0	0.0
051	3/27/2019 08:28:30	0.0	0.0
052	3/27/2019 08:29:30	0.0	0.0
053	3/27/2019 08:30:30	0.0	0.0
054	3/27/2019 08:31:30	0.0	0.0
055	3/27/2019 08:32:30	0.0	0.0
056	3/27/2019 08:33:30	0.0	0.0

057	3/27/2019 08:34:30	0.0	0.0
058	3/27/2019 08:35:30	0.0	0.0
059	3/27/2019 08:36:30	0.0	0.0
060	3/27/2019 08:37:30	0.0	0.0
061	3/27/2019 08:38:30	0.0	0.0
062	3/27/2019 08:39:30	0.0	0.0
063	3/27/2019 08:40:30	0.0	0.0
064	3/27/2019 08:41:30	0.0	0.0
065	3/27/2019 08:42:30	0.0	0.0
066	3/27/2019 08:43:30	0.0	0.0
067	3/27/2019 08:44:30	0.0	0.0
068	3/27/2019 08:45:30	0.0	0.0
069	3/27/2019 08:46:30	0.0	0.0
070	3/27/2019 08:47:30	0.0	0.0
071	3/27/2019 08:48:30	0.0	0.0
072	3/27/2019 08:49:30	0.0	0.0
073	3/27/2019 08:50:30	0.0	0.0
074	3/27/2019 08:51:30	0.0	0.0
075	3/27/2019 08:52:30	0.0	0.0
076	3/27/2019 08:53:30	0.0	0.0
077	3/27/2019 08:54:30	0.0	0.0
078	3/27/2019 08:55:30	0.0	0.0
079	3/27/2019 08:56:30	0.0	0.0
080	3/27/2019 08:57:30	0.0	0.0
081	3/27/2019 08:58:30	0.0	0.0
082	3/27/2019 08:59:30	0.0	0.0
083	3/27/2019 09:00:30	0.0	0.0
084	3/27/2019 09:01:30	0.0	0.0
085	3/27/2019 09:02:30	0.0	0.0
086	3/27/2019 09:03:30	0.0	0.0
087	3/27/2019 09:04:30	0.0	0.0
088	3/27/2019 09:05:30	0.0	0.0
089	3/27/2019 09:06:30	0.0	0.0
090	3/27/2019 09:07:30	0.0	0.0
091	3/27/2019 09:08:30	0.0	0.0
092	3/27/2019 09:09:30	0.0	0.0
093	3/27/2019 09:10:30	0.0	0.0
094	3/27/2019 09:11:30	0.0	0.0
095	3/27/2019 09:12:30	0.0	0.0
096	3/27/2019 09:13:30	0.0	0.0
097	3/27/2019 09:14:30	0.0	0.0
098	3/27/2019 09:15:30	0.0	0.0
099	3/27/2019 09:16:30	0.0	0.0
100	3/27/2019 09:17:30	0.0	0.0
101	3/27/2019 09:18:30	0.0	0.0
102	3/27/2019 09:19:30	0.0	0.0
103	3/27/2019 09:20:30	0.0	0.0
104	3/27/2019 09:21:30	0.0	0.0
105	3/27/2019 09:22:30	0.0	0.0
106	3/27/2019 09:23:30	0.0	0.0
107	3/27/2019 09:24:30	0.0	0.0
108	3/27/2019 09:25:30	0.0	0.0
109	3/27/2019 09:26:30	0.0	0.0
110	3/27/2019 09:27:30	0.0	0.0
111	3/27/2019 09:28:30	0.0	0.0
112	3/27/2019 09:29:30	0.0	0.0
113	3/27/2019 09:30:30	0.0	0.0

114	3/27/2019 09:31:30	0.0	0.0
115	3/27/2019 09:32:30	0.0	0.0
116	3/27/2019 09:33:30	0.0	0.0
117	3/27/2019 09:34:30	0.0	0.0
118	3/27/2019 09:35:30	0.0	0.0
119	3/27/2019 09:36:30	0.0	0.0
120	3/27/2019 09:37:30	0.0	0.0
121	3/27/2019 09:38:30	0.0	0.0
122	3/27/2019 09:39:30	0.0	0.0
123	3/27/2019 09:40:30	0.0	0.0
124	3/27/2019 09:41:30	0.0	0.0
125	3/27/2019 09:42:30	0.0	0.0
126	3/27/2019 09:43:30	0.0	0.0
127	3/27/2019 09:44:30	0.0	0.0
128	3/27/2019 09:45:30	0.0	0.0
129	3/27/2019 09:46:30	0.0	0.0
130	3/27/2019 09:47:30	0.0	0.0
131	3/27/2019 09:48:30	0.0	0.0
132	3/27/2019 09:49:30	0.0	0.0
133	3/27/2019 09:50:30	0.0	0.0
134	3/27/2019 09:51:30	0.0	0.0
135	3/27/2019 09:52:30	0.0	0.0
136	3/27/2019 09:53:30	0.0	0.0
137	3/27/2019 09:54:30	0.0	0.0
138	3/27/2019 09:55:30	0.0	0.0
139	3/27/2019 09:56:30	0.0	0.0
140	3/27/2019 09:57:30	0.0	0.0
141	3/27/2019 09:58:30	0.0	0.0
142	3/27/2019 09:59:30	0.0	0.0
143	3/27/2019 10:00:30	0.0	0.0
144	3/27/2019 10:01:30	0.0	0.0
145	3/27/2019 10:02:30	0.0	0.0
146	3/27/2019 10:03:30	0.0	0.0
147	3/27/2019 10:04:30	0.0	0.0
148	3/27/2019 10:05:30	0.0	0.0
149	3/27/2019 10:06:30	0.0	0.0
150	3/27/2019 10:07:30	0.0	0.0
151	3/27/2019 10:08:30	0.0	0.0
152	3/27/2019 10:09:30	0.0	0.0
153	3/27/2019 10:10:30	0.0	0.0
154	3/27/2019 10:11:30	0.0	0.0
155	3/27/2019 10:12:30	0.0	0.0
156	3/27/2019 10:13:30	0.0	0.0
157	3/27/2019 10:14:30	0.0	0.0
158	3/27/2019 10:15:30	0.0	0.0
159	3/27/2019 10:16:30	0.0	0.0
160	3/27/2019 10:17:30	0.0	0.0
161	3/27/2019 10:18:30	0.0	0.0
162	3/27/2019 10:19:30	0.0	0.0
163	3/27/2019 10:20:30	0.0	0.0
164	3/27/2019 10:21:30	0.0	0.0
165	3/27/2019 10:22:30	0.0	0.0
166	3/27/2019 10:23:30	0.0	0.0
167	3/27/2019 10:24:30	0.0	0.0
168	3/27/2019 10:25:30	0.0	0.0
169	3/27/2019 10:26:30	0.0	0.0
170	3/27/2019 10:27:30	0.0	0.0

171	3/27/2019	10:28:30	0.0	0.0
172	3/27/2019	10:29:30	0.0	0.0
173	3/27/2019	10:30:30	0.0	0.0
174	3/27/2019	10:31:30	0.0	0.0
175	3/27/2019	10:32:30	0.0	0.0
176	3/27/2019	10:33:30	0.0	0.0
177	3/27/2019	10:34:30	0.0	0.0
178	3/27/2019	10:35:30	0.0	0.0
179	3/27/2019	10:36:30	0.0	0.0
180	3/27/2019	10:37:30	0.0	0.0
181	3/27/2019	10:38:30	0.0	0.0
182	3/27/2019	10:39:30	0.0	0.0
183	3/27/2019	10:40:30	0.0	0.0
184	3/27/2019	10:41:30	0.0	0.0
185	3/27/2019	10:42:30	0.0	0.0
186	3/27/2019	10:43:30	0.0	0.0
187	3/27/2019	10:44:30	0.0	0.0
188	3/27/2019	10:45:30	0.0	0.0
189	3/27/2019	10:46:30	0.0	0.0
190	3/27/2019	10:47:30	0.0	0.0
191	3/27/2019	10:48:30	0.0	0.0
192	3/27/2019	10:49:30	0.0	0.0
193	3/27/2019	10:50:30	0.0	0.0
194	3/27/2019	10:51:30	0.0	0.0
195	3/27/2019	10:52:30	0.0	0.0
196	3/27/2019	10:53:30	0.0	0.0
197	3/27/2019	10:54:30	0.0	0.0
198	3/27/2019	10:55:30	0.0	0.0
199	3/27/2019	10:56:30	0.0	0.0
200	3/27/2019	10:57:30	0.0	0.0
201	3/27/2019	10:58:30	0.0	0.0
202	3/27/2019	10:59:30	0.0	0.0
203	3/27/2019	11:00:30	0.0	0.0
204	3/27/2019	11:01:30	0.0	0.0
205	3/27/2019	11:02:30	0.0	0.0
206	3/27/2019	11:03:30	0.0	0.0
207	3/27/2019	11:04:30	0.0	0.0
208	3/27/2019	11:05:30	0.0	0.0
209	3/27/2019	11:06:30	0.0	0.0
210	3/27/2019	11:07:30	0.0	0.0
211	3/27/2019	11:08:30	0.0	0.0
212	3/27/2019	11:09:30	0.0	0.0
213	3/27/2019	11:10:30	0.0	0.0
214	3/27/2019	11:11:30	0.0	0.0
215	3/27/2019	11:12:30	0.0	0.0
216	3/27/2019	11:13:30	0.0	0.0
217	3/27/2019	11:14:30	0.0	0.0
218	3/27/2019	11:15:30	0.0	0.0
219	3/27/2019	11:16:30	0.0	0.0
220	3/27/2019	11:17:30	0.0	0.0
221	3/27/2019	11:18:30	0.0	0.0
222	3/27/2019	11:19:30	0.0	0.0
223	3/27/2019	11:20:30	0.0	0.0
224	3/27/2019	11:21:30	0.0	0.0
225	3/27/2019	11:22:30	0.0	0.0
226	3/27/2019	11:23:30	0.0	0.0
227	3/27/2019	11:24:30	0.0	0.0

228	3/27/2019	11:25:30	0.0	0.0
229	3/27/2019	11:26:30	0.0	0.0
230	3/27/2019	11:27:30	0.0	0.0
231	3/27/2019	11:28:30	0.0	0.0
232	3/27/2019	11:29:30	0.0	0.0
233	3/27/2019	11:30:30	0.0	0.0
234	3/27/2019	11:31:30	0.0	0.0
235	3/27/2019	11:32:30	0.0	0.0
236	3/27/2019	11:33:30	0.0	0.0
237	3/27/2019	11:34:30	0.0	0.0
238	3/27/2019	11:35:30	0.0	0.0
239	3/27/2019	11:36:30	0.0	0.0
240	3/27/2019	11:37:30	0.0	0.0
241	3/27/2019	11:38:30	0.0	0.0
242	3/27/2019	11:39:30	0.0	0.0
243	3/27/2019	11:40:30	0.0	0.0
244	3/27/2019	11:41:30	0.0	0.0
245	3/27/2019	11:42:30	0.0	0.0
246	3/27/2019	11:43:30	0.0	0.0
247	3/27/2019	11:44:30	0.0	0.0
248	3/27/2019	11:45:30	0.0	0.0
249	3/27/2019	11:46:30	0.0	0.0
250	3/27/2019	11:47:30	0.0	0.0
251	3/27/2019	11:48:30	0.0	0.0
252	3/27/2019	11:49:30	0.0	0.0
253	3/27/2019	11:50:30	0.0	0.0
254	3/27/2019	11:51:30	0.0	0.0
255	3/27/2019	11:52:30	0.0	0.0
256	3/27/2019	11:53:30	0.0	0.0
257	3/27/2019	11:54:30	0.0	0.0
258	3/27/2019	11:55:30	0.0	0.0
259	3/27/2019	11:56:30	0.0	0.0
260	3/27/2019	11:57:30	0.0	0.0
261	3/27/2019	11:58:30	0.0	0.0
262	3/27/2019	11:59:30	0.0	0.0
263	3/27/2019	12:00:30	0.0	0.0
264	3/27/2019	12:01:30	0.0	0.0
265	3/27/2019	12:02:30	0.0	0.0
266	3/27/2019	12:03:30	0.0	0.0
267	3/27/2019	12:04:30	0.0	0.0
268	3/27/2019	12:05:30	0.0	0.0
269	3/27/2019	12:06:30	0.0	0.0
270	3/27/2019	12:07:30	0.0	0.0
271	3/27/2019	12:08:30	0.0	0.0
272	3/27/2019	12:09:30	0.0	0.0
273	3/27/2019	12:10:30	0.0	0.0
274	3/27/2019	12:11:30	0.0	0.0
275	3/27/2019	12:12:30	0.0	0.0
276	3/27/2019	12:13:30	0.0	0.0
277	3/27/2019	12:14:30	0.0	0.0
278	3/27/2019	12:15:30	0.0	0.0
279	3/27/2019	12:16:30	0.0	0.0
280	3/27/2019	12:17:30	0.0	0.0
281	3/27/2019	12:18:30	0.0	0.0
282	3/27/2019	12:19:30	0.0	0.0
283	3/27/2019	12:20:30	0.0	0.0
284	3/27/2019	12:21:30	0.0	0.0

285	3/27/2019 12:22:30	0.0	0.0
286	3/27/2019 12:23:30	0.0	0.0
287	3/27/2019 12:24:30	0.0	0.0
288	3/27/2019 12:25:30	0.0	0.0
289	3/27/2019 12:26:30	0.0	0.0
290	3/27/2019 12:27:30	0.0	0.0
291	3/27/2019 12:28:30	0.0	0.0
292	3/27/2019 12:29:30	0.0	0.0
293	3/27/2019 12:30:30	0.0	0.0
294	3/27/2019 12:31:30	0.0	0.0
295	3/27/2019 12:32:30	0.0	0.0
296	3/27/2019 12:33:30	0.0	0.0
297	3/27/2019 12:34:30	0.0	0.0
298	3/27/2019 12:35:30	0.0	0.0
299	3/27/2019 12:36:30	0.0	0.0
300	3/27/2019 12:37:30	0.0	0.0
301	3/27/2019 12:38:30	0.0	0.0
302	3/27/2019 12:39:30	0.0	0.0
303	3/27/2019 12:40:30	0.0	0.0
304	3/27/2019 12:41:30	0.0	0.0
305	3/27/2019 12:42:30	0.0	0.0
306	3/27/2019 12:43:30	0.0	0.0
307	3/27/2019 12:44:30	0.0	0.0
308	3/27/2019 12:45:30	0.0	0.0
309	3/27/2019 12:46:30	0.0	0.0
310	3/27/2019 12:47:30	0.0	0.0
311	3/27/2019 12:48:30	0.0	0.0
312	3/27/2019 12:49:30	0.0	0.0
313	3/27/2019 12:50:30	0.0	0.0
314	3/27/2019 12:51:30	0.0	0.0
315	3/27/2019 12:52:30	0.0	0.0
316	3/27/2019 12:53:30	0.0	0.0
317	3/27/2019 12:54:30	0.0	0.0
318	3/27/2019 12:55:30	0.0	0.0
319	3/27/2019 12:56:30	0.0	0.0
320	3/27/2019 12:57:30	0.0	0.0
321	3/27/2019 12:58:30	0.0	0.0
322	3/27/2019 12:59:30	0.0	0.0
323	3/27/2019 13:00:30	0.0	0.0
324	3/27/2019 13:01:30	0.0	0.0
325	3/27/2019 13:02:30	0.0	0.0
326	3/27/2019 13:03:30	0.0	0.0
327	3/27/2019 13:04:30	0.0	0.0
328	3/27/2019 13:05:30	0.0	0.0
329	3/27/2019 13:06:30	0.0	0.0
330	3/27/2019 13:07:30	0.0	0.0
331	3/27/2019 13:08:30	0.0	0.0
332	3/27/2019 13:09:30	0.0	0.0
333	3/27/2019 13:10:30	0.0	0.0
334	3/27/2019 13:11:30	0.0	0.0
335	3/27/2019 13:12:30	0.0	0.0
336	3/27/2019 13:13:30	0.0	0.0
337	3/27/2019 13:14:30	0.0	0.0
338	3/27/2019 13:15:30	0.0	0.0
339	3/27/2019 13:16:30	0.0	0.0
340	3/27/2019 13:17:30	0.0	0.0
341	3/27/2019 13:18:30	0.0	0.0

342	3/27/2019 13:19:30	0.0	0.0
343	3/27/2019 13:20:30	0.0	0.0
344	3/27/2019 13:21:30	0.0	0.0
345	3/27/2019 13:22:30	0.0	0.0
346	3/27/2019 13:23:30	0.0	0.0
347	3/27/2019 13:24:30	0.0	0.0
348	3/27/2019 13:25:30	0.0	0.0
349	3/27/2019 13:26:30	0.0	0.0
350	3/27/2019 13:27:30	0.0	0.0
351	3/27/2019 13:28:30	0.0	0.0
352	3/27/2019 13:29:30	0.0	0.0
353	3/27/2019 13:30:30	0.0	0.0
354	3/27/2019 13:31:30	0.0	0.0
355	3/27/2019 13:32:30	0.0	0.0
356	3/27/2019 13:33:30	0.0	0.0
357	3/27/2019 13:34:30	0.0	0.0
358	3/27/2019 13:35:30	0.0	0.0
359	3/27/2019 13:36:30	0.0	0.0
360	3/27/2019 13:37:30	0.0	0.0
361	3/27/2019 13:38:30	0.0	0.0
362	3/27/2019 13:39:30	0.0	0.0
363	3/27/2019 13:40:30	0.0	0.0
364	3/27/2019 13:41:30	0.0	0.0
365	3/27/2019 13:42:30	0.0	0.0
366	3/27/2019 13:43:30	0.0	0.0
367	3/27/2019 13:44:30	0.0	0.0
368	3/27/2019 13:45:30	0.0	0.0
369	3/27/2019 13:46:30	0.0	0.0
370	3/27/2019 13:47:30	0.0	0.0
371	3/27/2019 13:48:30	0.0	0.0
372	3/27/2019 13:49:30	0.0	0.0
373	3/27/2019 13:50:30	0.0	0.0
374	3/27/2019 13:51:30	0.0	0.0
375	3/27/2019 13:52:30	0.0	0.0
376	3/27/2019 13:53:30	0.0	0.0
377	3/27/2019 13:54:30	0.0	0.0
378	3/27/2019 13:55:30	0.0	0.0
379	3/27/2019 13:56:30	0.0	0.0
380	3/27/2019 13:57:30	0.0	0.1
381	3/27/2019 13:58:30	0.0	0.1
382	3/27/2019 13:59:30	0.0	0.1
383	3/27/2019 14:00:30	0.0	0.1
384	3/27/2019 14:01:30	0.0	0.1
385	3/27/2019 14:02:30	0.0	0.1
386	3/27/2019 14:03:30	0.0	0.1
387	3/27/2019 14:04:30	0.0	0.1
388	3/27/2019 14:05:30	0.0	0.0
389	3/27/2019 14:06:30	0.0	0.0
390	3/27/2019 14:07:30	0.0	0.0
391	3/27/2019 14:08:30	0.0	0.0
392	3/27/2019 14:09:30	0.0	0.0
393	3/27/2019 14:10:30	0.0	0.0
394	3/27/2019 14:11:30	0.0	0.0
395	3/27/2019 14:12:30	0.0	0.0
396	3/27/2019 14:13:30	0.0	0.0
397	3/27/2019 14:14:30	0.0	0.0
398	3/27/2019 14:15:30	0.0	0.0

399	3/27/2019 14:16:30	0.0	0.0	
400	3/27/2019 14:17:30	0.0	0.0	
401	3/27/2019 14:18:30	0.0	0.0	
402	3/27/2019 14:19:30	0.0	0.0	
403	3/27/2019 14:20:30	0.0	0.0	
404	3/27/2019 14:21:30	0.0	0.0	
405	3/27/2019 14:22:30	0.0	0.0	
406	3/27/2019 14:23:30	0.0	0.0	

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19/03/28 07:34

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910551
Unit Firmware Ver	V2.16

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

Site ID	00000037
User ID	00000001

Begin	3/28/2019 07:34:28
End	3/28/2019 12:29:36
Sample Period(s)	60
Number of Records	295

Sensor	PID(ppm)
Sensor SN	S023030476Q4
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	50.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	3/28/2019 07:28
Peak	0.7
Min	0.0
Average	0.1

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Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	3/28/2019 07:35:28	0.0	0.0	0.0	0.0
002	3/28/2019 07:36:28	0.0	0.0	0.0	0.0
003	3/28/2019 07:37:28	0.0	0.0	0.0	0.0
004	3/28/2019 07:38:28	0.0	0.0	0.0	0.0
005	3/28/2019 07:39:28	0.0	0.0	0.0	0.0
006	3/28/2019 07:40:28	0.0	0.0	0.0	0.0
007	3/28/2019 07:41:28	0.0	0.0	0.0	0.0

008	3/28/2019 07:42:28	0.0	0.0	0.0	0.0
009	3/28/2019 07:43:28	0.0	0.0	0.0	0.0
010	3/28/2019 07:44:28	0.0	0.0	0.0	0.0
011	3/28/2019 07:45:28	0.0	0.0	0.0	0.0
012	3/28/2019 07:46:28	0.0	0.0	0.0	0.0
013	3/28/2019 07:47:28	0.0	0.0	0.0	0.0
014	3/28/2019 07:48:28	0.0	0.0	0.0	0.0
015	3/28/2019 07:49:28	0.0	0.0	0.0	0.0
016	3/28/2019 07:50:28	0.0	0.0	0.0	0.0
017	3/28/2019 07:51:28	0.0	0.0	0.0	0.0
018	3/28/2019 07:52:28	0.0	0.0	0.0	0.0
019	3/28/2019 07:53:28	0.0	0.0	0.0	0.0
020	3/28/2019 07:54:28	0.0	0.0	0.0	0.0
021	3/28/2019 07:55:28	0.0	0.0	0.0	0.0
022	3/28/2019 07:56:28	0.0	0.0	0.0	0.0
023	3/28/2019 07:57:28	0.0	0.0	0.0	0.0
024	3/28/2019 07:58:28	0.0	0.0	0.0	0.0
025	3/28/2019 07:59:28	0.0	0.0	0.0	0.0
026	3/28/2019 08:00:28	0.0	0.0	0.0	0.0
027	3/28/2019 08:01:28	0.0	0.0	0.0	0.0
028	3/28/2019 08:02:28	0.0	0.0	0.0	0.0
029	3/28/2019 08:03:28	0.0	0.0	0.0	0.0
030	3/28/2019 08:04:28	0.0	0.0	0.0	0.0
031	3/28/2019 08:05:28	0.0	0.0	0.0	0.0
032	3/28/2019 08:06:28	0.0	0.0	0.0	0.0
033	3/28/2019 08:07:28	0.0	0.0	0.0	0.0
034	3/28/2019 08:08:28	0.0	0.0	0.0	0.0
035	3/28/2019 08:09:28	0.0	0.0	0.0	0.0
036	3/28/2019 08:10:28	0.0	0.0	0.0	0.0
037	3/28/2019 08:11:28	0.0	0.0	0.0	0.0
038	3/28/2019 08:12:28	0.0	0.0	0.0	0.0
039	3/28/2019 08:13:28	0.0	0.0	0.0	0.0
040	3/28/2019 08:14:28	0.0	0.0	0.0	0.0
041	3/28/2019 08:15:28	0.0	0.0	0.0	0.0
042	3/28/2019 08:16:28	0.0	0.0	0.0	0.0
043	3/28/2019 08:17:28	0.0	0.0	0.0	0.0
044	3/28/2019 08:18:28	0.0	0.0	0.0	0.0
045	3/28/2019 08:19:28	0.0	0.0	0.0	0.0
046	3/28/2019 08:20:28	0.0	0.0	0.0	0.0
047	3/28/2019 08:21:28	0.0	0.0	0.0	0.0
048	3/28/2019 08:22:28	0.0	0.0	0.0	0.0
049	3/28/2019 08:23:28	0.0	0.0	0.0	0.0
050	3/28/2019 08:24:28	0.0	0.0	0.0	0.0
051	3/28/2019 08:25:28	0.0	0.0	0.0	0.0
052	3/28/2019 08:26:28	0.0	0.0	0.0	0.0
053	3/28/2019 08:27:28	0.0	0.0	0.0	0.0
054	3/28/2019 08:28:28	0.0	0.0	0.0	0.0
055	3/28/2019 08:29:28	0.0	0.0	0.0	0.0
056	3/28/2019 08:30:28	0.0	0.0	0.0	0.0
057	3/28/2019 08:31:28	0.0	0.0	0.0	0.0
058	3/28/2019 08:32:28	0.0	0.0	0.0	0.0
059	3/28/2019 08:33:28	0.0	0.0	0.0	0.0
060	3/28/2019 08:34:28	0.0	0.0	0.0	0.0
061	3/28/2019 08:35:28	0.0	0.0	0.0	0.0
062	3/28/2019 08:36:28	0.0	0.0	0.0	0.0
063	3/28/2019 08:37:28	0.0	0.0	0.0	0.0
064	3/28/2019 08:38:28	0.0	0.0	0.0	0.0

065	3/28/2019	08:39:28	0.0	0.0	0.0	0.0
066	3/28/2019	08:40:28	0.0	0.0	0.0	0.0
067	3/28/2019	08:41:28	0.0	0.0	0.0	0.0
068	3/28/2019	08:42:28	0.0	0.0	0.0	0.0
069	3/28/2019	08:43:28	0.0	0.0	0.0	0.0
070	3/28/2019	08:44:28	0.0	0.0	0.0	0.0
071	3/28/2019	08:45:28	0.0	0.0	0.0	0.0
072	3/28/2019	08:46:28	0.0	0.0	0.0	0.0
073	3/28/2019	08:47:28	0.0	0.0	0.0	0.0
074	3/28/2019	08:48:28	0.0	0.0	0.0	0.0
075	3/28/2019	08:49:28	0.0	0.0	0.0	0.0
076	3/28/2019	08:50:28	0.0	0.0	0.0	0.0
077	3/28/2019	08:51:28	0.0	0.0	0.0	0.0
078	3/28/2019	08:52:28	0.0	0.0	0.0	0.0
079	3/28/2019	08:53:28	0.0	0.0	0.0	0.0
080	3/28/2019	08:54:28	0.0	0.0	0.0	0.0
081	3/28/2019	08:55:28	0.0	0.0	0.0	0.0
082	3/28/2019	08:56:28	0.0	0.0	0.0	0.0
083	3/28/2019	08:57:28	0.0	0.0	0.0	0.0
084	3/28/2019	08:58:28	0.0	0.0	0.0	0.0
085	3/28/2019	08:59:28	0.0	0.0	0.0	0.0
086	3/28/2019	09:00:28	0.0	0.0	0.0	0.0
087	3/28/2019	09:01:28	0.0	0.0	0.0	0.0
088	3/28/2019	09:02:28	0.0	0.0	0.0	0.0
089	3/28/2019	09:03:28	0.0	0.0	0.0	0.0
090	3/28/2019	09:04:28	0.0	0.0	0.0	0.0
091	3/28/2019	09:05:28	0.0	0.0	0.0	0.0
092	3/28/2019	09:06:28	0.0	0.0	0.0	0.0
093	3/28/2019	09:07:28	0.0	0.0	0.0	0.0
094	3/28/2019	09:08:28	0.0	0.0	0.0	0.0
095	3/28/2019	09:09:28	0.0	0.0	0.0	0.0
096	3/28/2019	09:10:28	0.0	0.2	1.7	0.0
097	3/28/2019	09:11:28	0.0	0.0	0.0	0.0
098	3/28/2019	09:12:28	0.0	0.0	0.0	0.0
099	3/28/2019	09:13:28	0.0	0.0	0.0	0.0
100	3/28/2019	09:14:28	0.0	0.0	0.0	0.0
101	3/28/2019	09:15:28	0.0	0.0	0.0	0.0
102	3/28/2019	09:16:28	0.0	0.0	0.0	0.0
103	3/28/2019	09:17:28	0.0	0.0	0.0	0.0
104	3/28/2019	09:18:28	0.0	0.0	0.0	0.0
105	3/28/2019	09:19:28	0.0	0.0	0.0	0.0
106	3/28/2019	09:20:28	0.0	0.0	0.0	0.0
107	3/28/2019	09:21:28	0.0	0.0	0.1	0.0
108	3/28/2019	09:22:28	0.0	0.0	0.0	0.0
109	3/28/2019	09:23:28	0.0	0.0	0.0	0.0
110	3/28/2019	09:24:28	0.0	0.0	0.0	0.0
111	3/28/2019	09:25:28	0.0	0.0	0.0	0.0
112	3/28/2019	09:26:28	0.0	0.0	0.0	0.0
113	3/28/2019	09:27:28	0.0	0.0	0.0	0.0
114	3/28/2019	09:28:28	0.0	0.0	0.0	0.0
115	3/28/2019	09:29:28	0.0	0.0	0.0	0.0
116	3/28/2019	09:30:28	0.0	0.0	0.0	0.0
117	3/28/2019	09:31:28	0.0	0.0	0.0	0.0
118	3/28/2019	09:32:28	0.0	0.0	0.0	0.0
119	3/28/2019	09:33:28	0.0	0.0	0.0	0.0
120	3/28/2019	09:34:28	0.0	0.0	0.0	0.0
121	3/28/2019	09:35:28	0.0	0.0	0.0	0.0

122	3/28/2019 09:36:28	0.0	0.0	0.0	0.0
123	3/28/2019 09:37:28	0.0	0.0	0.0	0.0
124	3/28/2019 09:38:28	0.0	0.0	0.0	0.0
125	3/28/2019 09:39:28	0.0	0.0	0.0	0.0
126	3/28/2019 09:40:28	0.0	0.0	0.0	0.0
127	3/28/2019 09:41:28	0.0	0.0	0.0	0.0
128	3/28/2019 09:42:28	0.0	0.0	0.0	0.0
129	3/28/2019 09:43:28	0.0	0.0	0.0	0.0
130	3/28/2019 09:44:28	0.0	0.0	0.0	0.0
131	3/28/2019 09:45:28	0.0	0.0	0.0	0.0
132	3/28/2019 09:46:28	0.0	0.2	0.9	0.7
133	3/28/2019 09:47:28	0.1	0.1	0.4	0.1
134	3/28/2019 09:48:28	0.0	0.1	0.1	0.0
135	3/28/2019 09:49:28	0.0	0.1	0.1	0.0
136	3/28/2019 09:50:28	0.0	0.1	0.1	0.1
137	3/28/2019 09:51:28	0.0	0.0	0.1	0.0
138	3/28/2019 09:52:28	0.0	0.1	0.2	0.1
139	3/28/2019 09:53:28	0.0	0.0	0.1	0.0
140	3/28/2019 09:54:28	0.0	0.0	0.0	0.0
141	3/28/2019 09:55:28	0.0	0.0	0.1	0.0
142	3/28/2019 09:56:28	0.0	0.0	0.0	0.0
143	3/28/2019 09:57:28	0.0	0.0	0.1	0.0
144	3/28/2019 09:58:28	0.0	0.0	0.1	0.0
145	3/28/2019 09:59:28	0.0	0.0	0.1	0.0
146	3/28/2019 10:00:28	0.0	0.0	0.1	0.0
147	3/28/2019 10:01:28	0.0	0.1	0.1	0.0
148	3/28/2019 10:02:28	0.0	0.0	0.1	0.0
149	3/28/2019 10:03:28	0.0	0.0	0.1	0.0
150	3/28/2019 10:04:28	0.0	0.1	0.1	0.1
151	3/28/2019 10:05:28	0.0	0.0	0.1	0.1
152	3/28/2019 10:06:28	0.0	0.0	0.1	0.0
153	3/28/2019 10:07:28	0.0	0.0	0.1	0.1
154	3/28/2019 10:08:28	0.1	0.1	0.1	0.1
155	3/28/2019 10:09:28	0.0	0.1	0.1	0.1
156	3/28/2019 10:10:28	0.0	0.1	0.1	0.1
157	3/28/2019 10:11:28	0.0	0.1	0.1	0.1
158	3/28/2019 10:12:28	0.0	0.1	0.1	0.1
159	3/28/2019 10:13:28	0.1	0.1	0.1	0.1
160	3/28/2019 10:14:28	0.1	0.1	0.1	0.1
161	3/28/2019 10:15:28	0.1	0.1	0.1	0.1
162	3/28/2019 10:16:28	0.1	0.1	0.1	0.1
163	3/28/2019 10:17:28	0.1	0.1	0.1	0.1
164	3/28/2019 10:18:28	0.1	0.1	0.1	0.1
165	3/28/2019 10:19:28	0.1	0.1	0.1	0.1
166	3/28/2019 10:20:28	0.1	0.1	0.1	0.1
167	3/28/2019 10:21:28	0.1	0.1	0.1	0.1
168	3/28/2019 10:22:28	0.1	0.1	0.1	0.1
169	3/28/2019 10:23:28	0.1	0.1	0.1	0.1
170	3/28/2019 10:24:28	0.1	0.1	0.1	0.1
171	3/28/2019 10:25:28	0.1	0.1	0.1	0.1
172	3/28/2019 10:26:28	0.1	0.1	0.1	0.1
173	3/28/2019 10:27:28	0.1	0.1	0.1	0.1
174	3/28/2019 10:28:28	0.1	0.1	0.1	0.1
175	3/28/2019 10:29:28	0.1	0.1	0.1	0.1
176	3/28/2019 10:30:28	0.1	0.1	0.1	0.1
177	3/28/2019 10:31:28	0.1	0.1	0.1	0.1
178	3/28/2019 10:32:28	0.1	0.1	0.1	0.1

179	3/28/2019	10:33:28	0.1	0.1	0.1	0.1
180	3/28/2019	10:34:28	0.1	0.1	0.1	0.1
181	3/28/2019	10:35:28	0.1	0.1	0.1	0.1
182	3/28/2019	10:36:28	0.1	0.1	0.1	0.1
183	3/28/2019	10:37:28	0.1	0.1	0.1	0.1
184	3/28/2019	10:38:28	0.1	0.1	0.1	0.1
185	3/28/2019	10:39:28	0.1	0.1	0.1	0.1
186	3/28/2019	10:40:28	0.1	0.1	0.1	0.1
187	3/28/2019	10:41:28	0.1	0.1	0.1	0.1
188	3/28/2019	10:42:28	0.1	0.1	0.1	0.1
189	3/28/2019	10:43:28	0.1	0.1	0.1	0.1
190	3/28/2019	10:44:28	0.1	0.1	0.1	0.1
191	3/28/2019	10:45:28	0.1	0.1	0.1	0.1
192	3/28/2019	10:46:28	0.1	0.1	0.1	0.1
193	3/28/2019	10:47:28	0.1	0.1	0.1	0.1
194	3/28/2019	10:48:28	0.1	0.1	0.1	0.1
195	3/28/2019	10:49:28	0.1	0.1	0.1	0.1
196	3/28/2019	10:50:28	0.1	0.1	0.1	0.1
197	3/28/2019	10:51:28	0.1	0.1	0.1	0.1
198	3/28/2019	10:52:28	0.1	0.1	0.1	0.1
199	3/28/2019	10:53:28	0.1	0.1	0.2	0.1
200	3/28/2019	10:54:28	0.1	0.1	0.1	0.1
201	3/28/2019	10:55:28	0.1	0.1	0.1	0.1
202	3/28/2019	10:56:28	0.1	0.1	0.1	0.1
203	3/28/2019	10:57:28	0.1	0.1	0.1	0.1
204	3/28/2019	10:58:28	0.1	0.1	0.1	0.1
205	3/28/2019	10:59:28	0.1	0.1	0.1	0.1
206	3/28/2019	11:00:28	0.1	0.1	0.1	0.1
207	3/28/2019	11:01:28	0.1	0.1	0.1	0.1
208	3/28/2019	11:02:28	0.1	0.1	0.1	0.1
209	3/28/2019	11:03:28	0.1	0.1	0.1	0.1
210	3/28/2019	11:04:28	0.1	0.1	0.1	0.1
211	3/28/2019	11:05:28	0.1	0.1	0.1	0.1
212	3/28/2019	11:06:28	0.1	0.1	0.1	0.1
213	3/28/2019	11:07:28	0.1	0.1	0.1	0.1
214	3/28/2019	11:08:28	0.1	0.1	0.1	0.1
215	3/28/2019	11:09:28	0.1	0.1	0.1	0.1
216	3/28/2019	11:10:28	0.1	0.1	0.1	0.1
217	3/28/2019	11:11:28	0.1	0.1	0.1	0.1
218	3/28/2019	11:12:28	0.1	0.1	0.1	0.1
219	3/28/2019	11:13:28	0.1	0.1	0.1	0.1
220	3/28/2019	11:14:28	0.1	0.1	0.1	0.1
221	3/28/2019	11:15:28	0.1	0.1	0.1	0.1
222	3/28/2019	11:16:28	0.1	0.1	0.1	0.1
223	3/28/2019	11:17:28	0.1	0.1	0.1	0.1
224	3/28/2019	11:18:28	0.1	0.1	0.1	0.1
225	3/28/2019	11:19:28	0.1	0.1	0.1	0.1
226	3/28/2019	11:20:28	0.1	0.1	0.1	0.1
227	3/28/2019	11:21:28	0.1	0.1	0.1	0.1
228	3/28/2019	11:22:28	0.1	0.1	0.1	0.1
229	3/28/2019	11:23:28	0.1	0.1	0.1	0.1
230	3/28/2019	11:24:28	0.1	0.1	0.1	0.1
231	3/28/2019	11:25:28	0.1	0.1	0.1	0.1
232	3/28/2019	11:26:28	0.1	0.1	0.1	0.1
233	3/28/2019	11:27:28	0.1	0.1	0.1	0.1
234	3/28/2019	11:28:28	0.1	0.1	0.1	0.1
235	3/28/2019	11:29:28	0.1	0.1	0.1	0.1

236	3/28/2019	11:30:28	0.1	0.1	0.1	0.1
237	3/28/2019	11:31:28	0.1	0.1	0.1	0.1
238	3/28/2019	11:32:28	0.1	0.1	0.2	0.1
239	3/28/2019	11:33:28	0.1	0.1	0.1	0.1
240	3/28/2019	11:34:28	0.1	0.1	0.1	0.1
241	3/28/2019	11:35:28	0.1	0.1	0.1	0.1
242	3/28/2019	11:36:28	0.1	0.1	0.1	0.1
243	3/28/2019	11:37:28	0.1	0.1	0.1	0.1
244	3/28/2019	11:38:28	0.1	0.1	0.1	0.1
245	3/28/2019	11:39:28	0.1	0.1	0.1	0.1
246	3/28/2019	11:40:28	0.1	0.1	0.1	0.1
247	3/28/2019	11:41:28	0.1	0.1	0.1	0.1
248	3/28/2019	11:42:28	0.1	0.1	0.1	0.1
249	3/28/2019	11:43:28	0.1	0.1	0.1	0.1
250	3/28/2019	11:44:28	0.1	0.1	0.1	0.1
251	3/28/2019	11:45:28	0.1	0.1	0.1	0.1
252	3/28/2019	11:46:28	0.1	0.1	0.1	0.1
253	3/28/2019	11:47:28	0.1	0.1	0.1	0.1
254	3/28/2019	11:48:28	0.1	0.1	0.1	0.1
255	3/28/2019	11:49:28	0.1	0.1	0.1	0.1
256	3/28/2019	11:50:28	0.1	0.1	0.1	0.1
257	3/28/2019	11:51:28	0.1	0.1	0.2	0.1
258	3/28/2019	11:52:28	0.1	0.1	0.1	0.1
259	3/28/2019	11:53:28	0.1	0.1	0.1	0.1
260	3/28/2019	11:54:28	0.1	0.1	0.1	0.1
261	3/28/2019	11:55:28	0.1	0.1	0.1	0.1
262	3/28/2019	11:56:28	0.1	0.1	0.1	0.1
263	3/28/2019	11:57:28	0.1	0.1	0.1	0.1
264	3/28/2019	11:58:28	0.1	0.1	0.1	0.1
265	3/28/2019	11:59:28	0.1	0.1	0.1	0.1
266	3/28/2019	12:00:28	0.1	0.1	0.1	0.1
267	3/28/2019	12:01:28	0.1	0.1	0.1	0.1
268	3/28/2019	12:02:28	0.1	0.1	0.1	0.1
269	3/28/2019	12:03:28	0.1	0.1	0.1	0.1
270	3/28/2019	12:04:28	0.1	0.1	0.1	0.1
271	3/28/2019	12:05:28	0.1	0.1	0.1	0.1
272	3/28/2019	12:06:28	0.1	0.1	0.1	0.1
273	3/28/2019	12:07:28	0.1	0.1	0.1	0.1
274	3/28/2019	12:08:28	0.1	0.1	0.1	0.1
275	3/28/2019	12:09:28	0.1	0.1	0.1	0.1
276	3/28/2019	12:10:28	0.1	0.1	0.1	0.1
277	3/28/2019	12:11:28	0.1	0.1	0.1	0.1
278	3/28/2019	12:12:28	0.1	0.1	0.1	0.1
279	3/28/2019	12:13:28	0.1	0.1	0.1	0.1
280	3/28/2019	12:14:28	0.1	0.1	0.1	0.1
281	3/28/2019	12:15:28	0.1	0.1	0.1	0.1
282	3/28/2019	12:16:28	0.1	0.1	0.1	0.1
283	3/28/2019	12:17:28	0.1	0.1	0.2	0.2
284	3/28/2019	12:18:28	0.2	0.2	0.2	0.2
285	3/28/2019	12:19:28	0.1	0.1	0.2	0.2
286	3/28/2019	12:20:28	0.1	0.8	2.4	0.5
287	3/28/2019	12:21:28	0.2	0.3	0.7	0.2
288	3/28/2019	12:22:28	0.2	0.2	0.2	0.2
289	3/28/2019	12:23:28	0.2	0.2	0.3	0.2
290	3/28/2019	12:24:28	0.2	0.2	0.2	0.2
291	3/28/2019	12:25:28	0.2	0.2	0.2	0.2
292	3/28/2019	12:26:28	0.2	0.2	0.3	0.2

293	3/28/2019	12:27:28	0.1	0.1	0.2	0.1
294	3/28/2019	12:28:28	0.1	0.1	0.2	0.2
295	3/28/2019	12:29:28	0.1	0.2	0.2	0.2
Peak		0.2	0.8	2.4	0.7	
Min		0.0	0.0	0.0	0.0	
Average			0.0	0.1	0.1	0.1

****

TWA/STEL

Index		PID(ppm) Date/Time	PID(ppm) (TWA)	(STEL)
001	3/28/2019	07:35:28	0.0	---
002	3/28/2019	07:36:28	0.0	---
003	3/28/2019	07:37:28	0.0	---
004	3/28/2019	07:38:28	0.0	---
005	3/28/2019	07:39:28	0.0	---
006	3/28/2019	07:40:28	0.0	---
007	3/28/2019	07:41:28	0.0	---
008	3/28/2019	07:42:28	0.0	---
009	3/28/2019	07:43:28	0.0	---
010	3/28/2019	07:44:28	0.0	---
011	3/28/2019	07:45:28	0.0	---
012	3/28/2019	07:46:28	0.0	---
013	3/28/2019	07:47:28	0.0	---
014	3/28/2019	07:48:28	0.0	---
015	3/28/2019	07:49:28	0.0	0.0
016	3/28/2019	07:50:28	0.0	0.0
017	3/28/2019	07:51:28	0.0	0.0
018	3/28/2019	07:52:28	0.0	0.0
019	3/28/2019	07:53:28	0.0	0.0
020	3/28/2019	07:54:28	0.0	0.0
021	3/28/2019	07:55:28	0.0	0.0
022	3/28/2019	07:56:28	0.0	0.0
023	3/28/2019	07:57:28	0.0	0.0
024	3/28/2019	07:58:28	0.0	0.0
025	3/28/2019	07:59:28	0.0	0.0
026	3/28/2019	08:00:28	0.0	0.0
027	3/28/2019	08:01:28	0.0	0.0
028	3/28/2019	08:02:28	0.0	0.0
029	3/28/2019	08:03:28	0.0	0.0
030	3/28/2019	08:04:28	0.0	0.0
031	3/28/2019	08:05:28	0.0	0.0
032	3/28/2019	08:06:28	0.0	0.0
033	3/28/2019	08:07:28	0.0	0.0
034	3/28/2019	08:08:28	0.0	0.0
035	3/28/2019	08:09:28	0.0	0.0
036	3/28/2019	08:10:28	0.0	0.0
037	3/28/2019	08:11:28	0.0	0.0
038	3/28/2019	08:12:28	0.0	0.0
039	3/28/2019	08:13:28	0.0	0.0
040	3/28/2019	08:14:28	0.0	0.0
041	3/28/2019	08:15:28	0.0	0.0
042	3/28/2019	08:16:28	0.0	0.0
043	3/28/2019	08:17:28	0.0	0.0
044	3/28/2019	08:18:28	0.0	0.0
045	3/28/2019	08:19:28	0.0	0.0
046	3/28/2019	08:20:28	0.0	0.0

047	3/28/2019 08:21:28	0.0	0.0
048	3/28/2019 08:22:28	0.0	0.0
049	3/28/2019 08:23:28	0.0	0.0
050	3/28/2019 08:24:28	0.0	0.0
051	3/28/2019 08:25:28	0.0	0.0
052	3/28/2019 08:26:28	0.0	0.0
053	3/28/2019 08:27:28	0.0	0.0
054	3/28/2019 08:28:28	0.0	0.0
055	3/28/2019 08:29:28	0.0	0.0
056	3/28/2019 08:30:28	0.0	0.0
057	3/28/2019 08:31:28	0.0	0.0
058	3/28/2019 08:32:28	0.0	0.0
059	3/28/2019 08:33:28	0.0	0.0
060	3/28/2019 08:34:28	0.0	0.0
061	3/28/2019 08:35:28	0.0	0.0
062	3/28/2019 08:36:28	0.0	0.0
063	3/28/2019 08:37:28	0.0	0.0
064	3/28/2019 08:38:28	0.0	0.0
065	3/28/2019 08:39:28	0.0	0.0
066	3/28/2019 08:40:28	0.0	0.0
067	3/28/2019 08:41:28	0.0	0.0
068	3/28/2019 08:42:28	0.0	0.0
069	3/28/2019 08:43:28	0.0	0.0
070	3/28/2019 08:44:28	0.0	0.0
071	3/28/2019 08:45:28	0.0	0.0
072	3/28/2019 08:46:28	0.0	0.0
073	3/28/2019 08:47:28	0.0	0.0
074	3/28/2019 08:48:28	0.0	0.0
075	3/28/2019 08:49:28	0.0	0.0
076	3/28/2019 08:50:28	0.0	0.0
077	3/28/2019 08:51:28	0.0	0.0
078	3/28/2019 08:52:28	0.0	0.0
079	3/28/2019 08:53:28	0.0	0.0
080	3/28/2019 08:54:28	0.0	0.0
081	3/28/2019 08:55:28	0.0	0.0
082	3/28/2019 08:56:28	0.0	0.0
083	3/28/2019 08:57:28	0.0	0.0
084	3/28/2019 08:58:28	0.0	0.0
085	3/28/2019 08:59:28	0.0	0.0
086	3/28/2019 09:00:28	0.0	0.0
087	3/28/2019 09:01:28	0.0	0.0
088	3/28/2019 09:02:28	0.0	0.0
089	3/28/2019 09:03:28	0.0	0.0
090	3/28/2019 09:04:28	0.0	0.0
091	3/28/2019 09:05:28	0.0	0.0
092	3/28/2019 09:06:28	0.0	0.0
093	3/28/2019 09:07:28	0.0	0.0
094	3/28/2019 09:08:28	0.0	0.0
095	3/28/2019 09:09:28	0.0	0.0
096	3/28/2019 09:10:28	0.0	0.0
097	3/28/2019 09:11:28	0.0	0.0
098	3/28/2019 09:12:28	0.0	0.0
099	3/28/2019 09:13:28	0.0	0.0
100	3/28/2019 09:14:28	0.0	0.0
101	3/28/2019 09:15:28	0.0	0.0
102	3/28/2019 09:16:28	0.0	0.0
103	3/28/2019 09:17:28	0.0	0.0

104	3/28/2019 09:18:28	0.0	0.0
105	3/28/2019 09:19:28	0.0	0.0
106	3/28/2019 09:20:28	0.0	0.0
107	3/28/2019 09:21:28	0.0	0.0
108	3/28/2019 09:22:28	0.0	0.0
109	3/28/2019 09:23:28	0.0	0.0
110	3/28/2019 09:24:28	0.0	0.0
111	3/28/2019 09:25:28	0.0	0.0
112	3/28/2019 09:26:28	0.0	0.0
113	3/28/2019 09:27:28	0.0	0.0
114	3/28/2019 09:28:28	0.0	0.0
115	3/28/2019 09:29:28	0.0	0.0
116	3/28/2019 09:30:28	0.0	0.0
117	3/28/2019 09:31:28	0.0	0.0
118	3/28/2019 09:32:28	0.0	0.0
119	3/28/2019 09:33:28	0.0	0.0
120	3/28/2019 09:34:28	0.0	0.0
121	3/28/2019 09:35:28	0.0	0.0
122	3/28/2019 09:36:28	0.0	0.0
123	3/28/2019 09:37:28	0.0	0.0
124	3/28/2019 09:38:28	0.0	0.0
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126	3/28/2019 09:40:28	0.0	0.0
127	3/28/2019 09:41:28	0.0	0.0
128	3/28/2019 09:42:28	0.0	0.0
129	3/28/2019 09:43:28	0.0	0.0
130	3/28/2019 09:44:28	0.0	0.0
131	3/28/2019 09:45:28	0.0	0.0
132	3/28/2019 09:46:28	0.0	0.0
133	3/28/2019 09:47:28	0.0	0.1
134	3/28/2019 09:48:28	0.0	0.1
135	3/28/2019 09:49:28	0.0	0.1
136	3/28/2019 09:50:28	0.0	0.1
137	3/28/2019 09:51:28	0.0	0.1
138	3/28/2019 09:52:28	0.0	0.1
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140	3/28/2019 09:54:28	0.0	0.1
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144	3/28/2019 09:58:28	0.0	0.1
145	3/28/2019 09:59:28	0.0	0.1
146	3/28/2019 10:00:28	0.0	0.1
147	3/28/2019 10:01:28	0.0	0.1
148	3/28/2019 10:02:28	0.0	0.0
149	3/28/2019 10:03:28	0.0	0.0
150	3/28/2019 10:04:28	0.0	0.0
151	3/28/2019 10:05:28	0.0	0.0
152	3/28/2019 10:06:28	0.0	0.0
153	3/28/2019 10:07:28	0.0	0.0
154	3/28/2019 10:08:28	0.0	0.0
155	3/28/2019 10:09:28	0.0	0.0
156	3/28/2019 10:10:28	0.0	0.0
157	3/28/2019 10:11:28	0.0	0.0
158	3/28/2019 10:12:28	0.0	0.1
159	3/28/2019 10:13:28	0.0	0.1
160	3/28/2019 10:14:28	0.0	0.1

161	3/28/2019 10:15:28	0.0	0.1
162	3/28/2019 10:16:28	0.0	0.1
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164	3/28/2019 10:18:28	0.0	0.1
165	3/28/2019 10:19:28	0.0	0.1
166	3/28/2019 10:20:28	0.0	0.1
167	3/28/2019 10:21:28	0.0	0.1
168	3/28/2019 10:22:28	0.0	0.1
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170	3/28/2019 10:24:28	0.0	0.1
171	3/28/2019 10:25:28	0.0	0.1
172	3/28/2019 10:26:28	0.0	0.1
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174	3/28/2019 10:28:28	0.0	0.1
175	3/28/2019 10:29:28	0.0	0.1
176	3/28/2019 10:30:28	0.0	0.1
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178	3/28/2019 10:32:28	0.0	0.1
179	3/28/2019 10:33:28	0.0	0.1
180	3/28/2019 10:34:28	0.0	0.1
181	3/28/2019 10:35:28	0.0	0.1
182	3/28/2019 10:36:28	0.0	0.1
183	3/28/2019 10:37:28	0.0	0.1
184	3/28/2019 10:38:28	0.0	0.1
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186	3/28/2019 10:40:28	0.0	0.1
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188	3/28/2019 10:42:28	0.0	0.1
189	3/28/2019 10:43:28	0.0	0.1
190	3/28/2019 10:44:28	0.0	0.1
191	3/28/2019 10:45:28	0.0	0.1
192	3/28/2019 10:46:28	0.0	0.1
193	3/28/2019 10:47:28	0.0	0.1
194	3/28/2019 10:48:28	0.0	0.1
195	3/28/2019 10:49:28	0.0	0.1
196	3/28/2019 10:50:28	0.0	0.1
197	3/28/2019 10:51:28	0.0	0.1
198	3/28/2019 10:52:28	0.0	0.1
199	3/28/2019 10:53:28	0.0	0.1
200	3/28/2019 10:54:28	0.0	0.1
201	3/28/2019 10:55:28	0.0	0.1
202	3/28/2019 10:56:28	0.0	0.1
203	3/28/2019 10:57:28	0.0	0.1
204	3/28/2019 10:58:28	0.0	0.1
205	3/28/2019 10:59:28	0.0	0.1
206	3/28/2019 11:00:28	0.0	0.1
207	3/28/2019 11:01:28	0.0	0.1
208	3/28/2019 11:02:28	0.0	0.1
209	3/28/2019 11:03:28	0.0	0.1
210	3/28/2019 11:04:28	0.0	0.1
211	3/28/2019 11:05:28	0.0	0.1
212	3/28/2019 11:06:28	0.0	0.1
213	3/28/2019 11:07:28	0.0	0.1
214	3/28/2019 11:08:28	0.0	0.1
215	3/28/2019 11:09:28	0.0	0.1
216	3/28/2019 11:10:28	0.0	0.1
217	3/28/2019 11:11:28	0.0	0.1

218	3/28/2019 11:12:28	0.0	0.1
219	3/28/2019 11:13:28	0.0	0.1
220	3/28/2019 11:14:28	0.0	0.1
221	3/28/2019 11:15:28	0.0	0.1
222	3/28/2019 11:16:28	0.0	0.1
223	3/28/2019 11:17:28	0.0	0.1
224	3/28/2019 11:18:28	0.0	0.1
225	3/28/2019 11:19:28	0.0	0.1
226	3/28/2019 11:20:28	0.0	0.1
227	3/28/2019 11:21:28	0.0	0.1
228	3/28/2019 11:22:28	0.0	0.1
229	3/28/2019 11:23:28	0.0	0.1
230	3/28/2019 11:24:28	0.0	0.1
231	3/28/2019 11:25:28	0.0	0.1
232	3/28/2019 11:26:28	0.0	0.1
233	3/28/2019 11:27:28	0.0	0.1
234	3/28/2019 11:28:28	0.0	0.1
235	3/28/2019 11:29:28	0.0	0.1
236	3/28/2019 11:30:28	0.0	0.1
237	3/28/2019 11:31:28	0.0	0.1
238	3/28/2019 11:32:28	0.0	0.1
239	3/28/2019 11:33:28	0.0	0.1
240	3/28/2019 11:34:28	0.0	0.1
241	3/28/2019 11:35:28	0.0	0.1
242	3/28/2019 11:36:28	0.0	0.1
243	3/28/2019 11:37:28	0.0	0.1
244	3/28/2019 11:38:28	0.0	0.1
245	3/28/2019 11:39:28	0.0	0.1
246	3/28/2019 11:40:28	0.0	0.1
247	3/28/2019 11:41:28	0.0	0.1
248	3/28/2019 11:42:28	0.0	0.1
249	3/28/2019 11:43:28	0.0	0.1
250	3/28/2019 11:44:28	0.0	0.1
251	3/28/2019 11:45:28	0.0	0.1
252	3/28/2019 11:46:28	0.0	0.1
253	3/28/2019 11:47:28	0.0	0.1
254	3/28/2019 11:48:28	0.0	0.1
255	3/28/2019 11:49:28	0.0	0.1
256	3/28/2019 11:50:28	0.0	0.1
257	3/28/2019 11:51:28	0.0	0.1
258	3/28/2019 11:52:28	0.0	0.1
259	3/28/2019 11:53:28	0.0	0.1
260	3/28/2019 11:54:28	0.0	0.1
261	3/28/2019 11:55:28	0.0	0.1
262	3/28/2019 11:56:28	0.0	0.1
263	3/28/2019 11:57:28	0.0	0.1
264	3/28/2019 11:58:28	0.0	0.1
265	3/28/2019 11:59:28	0.0	0.1
266	3/28/2019 12:00:28	0.0	0.1
267	3/28/2019 12:01:28	0.0	0.1
268	3/28/2019 12:02:28	0.0	0.1
269	3/28/2019 12:03:28	0.0	0.1
270	3/28/2019 12:04:28	0.0	0.1
271	3/28/2019 12:05:28	0.0	0.1
272	3/28/2019 12:06:28	0.0	0.1
273	3/28/2019 12:07:28	0.0	0.1
274	3/28/2019 12:08:28	0.0	0.1

275	3/28/2019 12:09:28	0.0	0.1
276	3/28/2019 12:10:28	0.0	0.1
277	3/28/2019 12:11:28	0.0	0.1
278	3/28/2019 12:12:28	0.0	0.1
279	3/28/2019 12:13:28	0.0	0.1
280	3/28/2019 12:14:28	0.0	0.1
281	3/28/2019 12:15:28	0.0	0.1
282	3/28/2019 12:16:28	0.0	0.1
283	3/28/2019 12:17:28	0.0	0.1
284	3/28/2019 12:18:28	0.0	0.1
285	3/28/2019 12:19:28	0.0	0.1
286	3/28/2019 12:20:28	0.0	0.2
287	3/28/2019 12:21:28	0.0	0.2
288	3/28/2019 12:22:28	0.0	0.2
289	3/28/2019 12:23:28	0.0	0.2
290	3/28/2019 12:24:28	0.0	0.2
291	3/28/2019 12:25:28	0.0	0.2
292	3/28/2019 12:26:28	0.0	0.2
293	3/28/2019 12:27:28	0.0	0.2
294	3/28/2019 12:28:28	0.0	0.2
295	3/28/2019 12:29:28	0.0	0.2

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19/03/29 07:18

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910551
Unit Firmware Ver	V2.16

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

Site ID	00000037
User ID	00000001

Begin	3/29/2019 07:18:06
End	3/29/2019 12:44:36
Sample Period(s)	60
Number of Records	326

Sensor	PID(ppm)
Sensor SN	S023030476Q4
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	50.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	3/28/2019 07:29
Peak	0.3
Min	0.0

Average 0.2

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Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	3/29/2019 07:19:06	0.1	0.1	0.2	0.1
002	3/29/2019 07:20:06	0.1	0.1	0.2	0.1
003	3/29/2019 07:21:06	0.0	0.1	0.2	0.0
004	3/29/2019 07:22:06	0.0	0.0	0.1	0.1
005	3/29/2019 07:23:06	0.0	0.1	0.2	0.0
006	3/29/2019 07:24:06	0.0	0.0	0.2	0.1
007	3/29/2019 07:25:06	0.0	0.1	0.2	0.1
008	3/29/2019 07:26:06	0.0	0.0	0.1	0.1
009	3/29/2019 07:27:06	0.0	0.1	0.1	0.1
010	3/29/2019 07:28:06	0.0	0.1	0.1	0.1
011	3/29/2019 07:29:06	0.0	0.1	0.1	0.1
012	3/29/2019 07:30:06	0.0	0.1	0.1	0.1
013	3/29/2019 07:31:06	0.0	0.1	0.1	0.0
014	3/29/2019 07:32:06	0.0	0.1	0.2	0.2
015	3/29/2019 07:33:06	0.0	0.1	0.2	0.1
016	3/29/2019 07:34:06	0.0	0.1	0.1	0.1
017	3/29/2019 07:35:06	0.0	0.1	0.1	0.1
018	3/29/2019 07:36:06	0.0	0.1	0.2	0.1
019	3/29/2019 07:37:06	0.0	0.1	0.1	0.1
020	3/29/2019 07:38:06	0.0	0.0	0.1	0.0
021	3/29/2019 07:39:06	0.0	0.0	0.1	0.0
022	3/29/2019 07:40:06	0.0	0.1	0.1	0.1
023	3/29/2019 07:41:06	0.0	0.0	0.1	0.0
024	3/29/2019 07:42:06	0.0	0.1	0.1	0.1
025	3/29/2019 07:43:06	0.1	0.1	0.1	0.1
026	3/29/2019 07:44:06	0.1	0.1	0.1	0.1
027	3/29/2019 07:45:06	0.1	0.1	0.1	0.1
028	3/29/2019 07:46:06	0.1	0.1	0.1	0.1
029	3/29/2019 07:47:06	0.1	0.1	0.1	0.1
030	3/29/2019 07:48:06	0.1	0.1	0.1	0.1
031	3/29/2019 07:49:06	0.1	0.1	0.1	0.1
032	3/29/2019 07:50:06	0.1	0.1	0.1	0.1
033	3/29/2019 07:51:06	0.1	0.1	0.1	0.1
034	3/29/2019 07:52:06	0.1	0.1	0.1	0.1
035	3/29/2019 07:53:06	0.1	0.1	0.1	0.1
036	3/29/2019 07:54:06	0.1	0.1	0.1	0.1
037	3/29/2019 07:55:06	0.1	0.1	0.1	0.1
038	3/29/2019 07:56:06	0.1	0.1	0.1	0.1
039	3/29/2019 07:57:06	0.1	0.1	0.1	0.1
040	3/29/2019 07:58:06	0.1	0.1	0.1	0.1
041	3/29/2019 07:59:06	0.1	0.1	0.1	0.1
042	3/29/2019 08:00:06	0.1	0.1	0.1	0.1
043	3/29/2019 08:01:06	0.1	0.1	0.2	0.1
044	3/29/2019 08:02:06	0.1	0.1	0.1	0.1
045	3/29/2019 08:03:06	0.1	0.1	0.1	0.1
046	3/29/2019 08:04:06	0.1	0.1	0.1	0.1
047	3/29/2019 08:05:06	0.1	0.1	0.1	0.1
048	3/29/2019 08:06:06	0.1	0.1	0.1	0.1
049	3/29/2019 08:07:06	0.1	0.1	0.1	0.1
050	3/29/2019 08:08:06	0.1	0.1	0.1	0.1
051	3/29/2019 08:09:06	0.1	0.1	0.3	0.1

052	3/29/2019	08:10:06	0.1	0.1	0.3	0.1
053	3/29/2019	08:11:06	0.1	0.1	0.3	0.1
054	3/29/2019	08:12:06	0.1	0.1	0.1	0.1
055	3/29/2019	08:13:06	0.1	0.1	0.1	0.1
056	3/29/2019	08:14:06	0.1	0.1	0.1	0.1
057	3/29/2019	08:15:06	0.1	0.1	0.1	0.1
058	3/29/2019	08:16:06	0.1	0.1	0.1	0.1
059	3/29/2019	08:17:06	0.1	0.1	0.1	0.1
060	3/29/2019	08:18:06	0.1	0.1	0.1	0.1
061	3/29/2019	08:19:06	0.1	0.1	0.2	0.1
062	3/29/2019	08:20:06	0.1	0.1	0.2	0.1
063	3/29/2019	08:21:06	0.1	0.1	0.1	0.1
064	3/29/2019	08:22:06	0.1	0.1	0.2	0.1
065	3/29/2019	08:23:06	0.1	0.1	0.1	0.1
066	3/29/2019	08:24:06	0.1	0.1	0.1	0.1
067	3/29/2019	08:25:06	0.1	0.1	0.1	0.1
068	3/29/2019	08:26:06	0.1	0.1	0.1	0.1
069	3/29/2019	08:27:06	0.1	0.2	0.8	0.1
070	3/29/2019	08:28:06	0.1	0.2	0.3	0.2
071	3/29/2019	08:29:06	0.1	0.2	0.3	0.1
072	3/29/2019	08:30:06	0.1	0.1	0.2	0.1
073	3/29/2019	08:31:06	0.1	0.2	0.3	0.2
074	3/29/2019	08:32:06	0.1	0.1	0.2	0.1
075	3/29/2019	08:33:06	0.1	0.1	0.1	0.1
076	3/29/2019	08:34:06	0.1	0.1	0.1	0.1
077	3/29/2019	08:35:06	0.1	0.1	0.1	0.1
078	3/29/2019	08:36:06	0.1	0.1	0.1	0.1
079	3/29/2019	08:37:06	0.1	0.1	0.1	0.1
080	3/29/2019	08:38:06	0.1	0.1	0.1	0.1
081	3/29/2019	08:39:06	0.1	0.1	0.1	0.1
082	3/29/2019	08:40:06	0.1	0.1	0.1	0.1
083	3/29/2019	08:41:06	0.1	0.1	0.1	0.1
084	3/29/2019	08:42:06	0.1	0.1	0.1	0.1
085	3/29/2019	08:43:06	0.1	0.1	0.1	0.1
086	3/29/2019	08:44:06	0.1	0.1	0.1	0.1
087	3/29/2019	08:45:06	0.1	0.1	0.1	0.1
088	3/29/2019	08:46:06	0.1	0.1	0.1	0.1
089	3/29/2019	08:47:06	0.1	0.1	0.1	0.1
090	3/29/2019	08:48:06	0.1	0.1	0.1	0.1
091	3/29/2019	08:49:06	0.1	0.1	0.1	0.1
092	3/29/2019	08:50:06	0.1	0.1	0.1	0.1
093	3/29/2019	08:51:06	0.1	0.1	0.2	0.2
094	3/29/2019	08:52:06	0.1	0.1	0.2	0.2
095	3/29/2019	08:53:06	0.1	0.2	0.2	0.1
096	3/29/2019	08:54:06	0.1	0.1	0.1	0.1
097	3/29/2019	08:55:06	0.1	0.2	0.2	0.2
098	3/29/2019	08:56:06	0.1	0.1	0.2	0.1
099	3/29/2019	08:57:06	0.1	0.1	0.2	0.2
100	3/29/2019	08:58:06	0.1	0.1	0.2	0.1
101	3/29/2019	08:59:06	0.1	0.1	0.2	0.1
102	3/29/2019	09:00:06	0.1	0.1	0.2	0.1
103	3/29/2019	09:01:06	0.1	0.1	0.2	0.1
104	3/29/2019	09:02:06	0.1	0.1	0.1	0.1
105	3/29/2019	09:03:06	0.1	0.1	0.2	0.1
106	3/29/2019	09:04:06	0.1	0.2	0.2	0.2
107	3/29/2019	09:05:06	0.1	0.1	0.2	0.2
108	3/29/2019	09:06:06	0.1	0.2	0.2	0.2

109	3/29/2019 09:07:06	0.1	0.1	0.2	0.1
110	3/29/2019 09:08:06	0.1	0.2	0.2	0.2
111	3/29/2019 09:09:06	0.2	0.2	0.2	0.2
112	3/29/2019 09:10:06	0.1	0.2	0.2	0.1
113	3/29/2019 09:11:06	0.1	0.2	0.2	0.2
114	3/29/2019 09:12:06	0.1	0.2	0.2	0.2
115	3/29/2019 09:13:06	0.1	0.2	0.2	0.2
116	3/29/2019 09:14:06	0.2	0.2	0.2	0.2
117	3/29/2019 09:15:06	0.2	0.2	0.2	0.2
118	3/29/2019 09:16:06	0.2	0.2	0.2	0.2
119	3/29/2019 09:17:06	0.1	0.2	0.2	0.2
120	3/29/2019 09:18:06	0.2	0.2	0.2	0.2
121	3/29/2019 09:19:06	0.2	0.2	0.2	0.2
122	3/29/2019 09:20:06	0.2	0.2	0.2	0.2
123	3/29/2019 09:21:06	0.2	0.2	0.2	0.2
124	3/29/2019 09:22:06	0.2	0.2	0.2	0.2
125	3/29/2019 09:23:06	0.2	0.2	0.2	0.2
126	3/29/2019 09:24:06	0.2	0.2	0.2	0.2
127	3/29/2019 09:25:06	0.2	0.2	0.2	0.2
128	3/29/2019 09:26:06	0.2	0.2	0.2	0.2
129	3/29/2019 09:27:06	0.2	0.2	0.2	0.2
130	3/29/2019 09:28:06	0.2	0.2	0.2	0.2
131	3/29/2019 09:29:06	0.2	0.2	0.2	0.2
132	3/29/2019 09:30:06	0.2	0.2	0.2	0.2
133	3/29/2019 09:31:06	0.2	0.2	0.2	0.2
134	3/29/2019 09:32:06	0.2	0.2	0.2	0.2
135	3/29/2019 09:33:06	0.2	0.2	0.2	0.2
136	3/29/2019 09:34:06	0.2	0.2	0.2	0.2
137	3/29/2019 09:35:06	0.2	0.2	0.2	0.2
138	3/29/2019 09:36:06	0.2	0.2	0.2	0.2
139	3/29/2019 09:37:06	0.2	0.2	0.2	0.2
140	3/29/2019 09:38:06	0.2	0.2	0.2	0.2
141	3/29/2019 09:39:06	0.2	0.2	0.2	0.2
142	3/29/2019 09:40:06	0.2	0.2	0.2	0.2
143	3/29/2019 09:41:06	0.2	0.2	0.2	0.2
144	3/29/2019 09:42:06	0.2	0.2	0.2	0.2
145	3/29/2019 09:43:06	0.2	0.2	0.2	0.2
146	3/29/2019 09:44:06	0.2	0.2	0.2	0.2
147	3/29/2019 09:45:06	0.2	0.2	0.2	0.2
148	3/29/2019 09:46:06	0.2	0.2	0.2	0.2
149	3/29/2019 09:47:06	0.2	0.2	0.2	0.2
150	3/29/2019 09:48:06	0.2	0.2	0.2	0.2
151	3/29/2019 09:49:06	0.2	0.2	0.3	0.2
152	3/29/2019 09:50:06	0.2	0.2	0.2	0.2
153	3/29/2019 09:51:06	0.2	0.2	0.2	0.2
154	3/29/2019 09:52:06	0.2	0.2	0.2	0.2
155	3/29/2019 09:53:06	0.2	0.2	0.2	0.2
156	3/29/2019 09:54:06	0.2	0.2	0.2	0.2
157	3/29/2019 09:55:06	0.2	0.2	0.2	0.2
158	3/29/2019 09:56:06	0.2	0.2	0.2	0.2
159	3/29/2019 09:57:06	0.2	0.2	0.2	0.2
160	3/29/2019 09:58:06	0.2	0.2	0.2	0.2
161	3/29/2019 09:59:06	0.2	0.2	0.2	0.2
162	3/29/2019 10:00:06	0.2	0.2	0.2	0.2
163	3/29/2019 10:01:06	0.2	0.2	0.2	0.2
164	3/29/2019 10:02:06	0.2	0.2	0.2	0.2
165	3/29/2019 10:03:06	0.2	0.2	0.2	0.2

166	3/29/2019	10:04:06	0.2	0.2	0.2	0.2
167	3/29/2019	10:05:06	0.2	0.2	0.2	0.2
168	3/29/2019	10:06:06	0.2	0.2	0.2	0.2
169	3/29/2019	10:07:06	0.2	0.2	0.2	0.2
170	3/29/2019	10:08:06	0.2	0.2	0.2	0.2
171	3/29/2019	10:09:06	0.2	0.2	0.2	0.2
172	3/29/2019	10:10:06	0.2	0.2	0.2	0.2
173	3/29/2019	10:11:06	0.2	0.2	0.2	0.2
174	3/29/2019	10:12:06	0.2	0.2	0.2	0.2
175	3/29/2019	10:13:06	0.2	0.2	0.2	0.2
176	3/29/2019	10:14:06	0.2	0.2	0.2	0.2
177	3/29/2019	10:15:06	0.2	0.2	0.2	0.2
178	3/29/2019	10:16:06	0.2	0.2	0.2	0.2
179	3/29/2019	10:17:06	0.2	0.2	0.2	0.2
180	3/29/2019	10:18:06	0.2	0.2	0.2	0.2
181	3/29/2019	10:19:06	0.2	0.2	0.3	0.2
182	3/29/2019	10:20:06	0.2	0.2	0.2	0.2
183	3/29/2019	10:21:06	0.2	0.2	0.2	0.2
184	3/29/2019	10:22:06	0.2	0.2	0.2	0.2
185	3/29/2019	10:23:06	0.2	0.2	0.2	0.2
186	3/29/2019	10:24:06	0.2	0.2	0.2	0.2
187	3/29/2019	10:25:06	0.2	0.2	0.2	0.2
188	3/29/2019	10:26:06	0.2	0.2	0.2	0.2
189	3/29/2019	10:27:06	0.2	0.2	0.2	0.2
190	3/29/2019	10:28:06	0.2	0.2	0.2	0.2
191	3/29/2019	10:29:06	0.2	0.2	0.2	0.2
192	3/29/2019	10:30:06	0.2	0.2	0.2	0.2
193	3/29/2019	10:31:06	0.2	0.2	0.2	0.2
194	3/29/2019	10:32:06	0.2	0.2	0.2	0.2
195	3/29/2019	10:33:06	0.2	0.2	0.2	0.2
196	3/29/2019	10:34:06	0.2	0.2	0.2	0.2
197	3/29/2019	10:35:06	0.2	0.2	0.2	0.2
198	3/29/2019	10:36:06	0.2	0.2	0.2	0.2
199	3/29/2019	10:37:06	0.2	0.2	0.2	0.2
200	3/29/2019	10:38:06	0.2	0.2	0.2	0.2
201	3/29/2019	10:39:06	0.2	0.2	0.2	0.2
202	3/29/2019	10:40:06	0.2	0.2	0.2	0.2
203	3/29/2019	10:41:06	0.2	0.2	0.2	0.2
204	3/29/2019	10:42:06	0.2	0.2	0.2	0.2
205	3/29/2019	10:43:06	0.2	0.2	0.2	0.2
206	3/29/2019	10:44:06	0.2	0.2	0.2	0.2
207	3/29/2019	10:45:06	0.2	0.2	0.2	0.2
208	3/29/2019	10:46:06	0.2	0.2	0.2	0.2
209	3/29/2019	10:47:06	0.2	0.2	0.2	0.2
210	3/29/2019	10:48:06	0.2	0.2	0.2	0.2
211	3/29/2019	10:49:06	0.2	0.2	0.2	0.2
212	3/29/2019	10:50:06	0.2	0.4	0.7	0.3
213	3/29/2019	10:51:06	0.3	0.7	1.6	0.3
214	3/29/2019	10:52:06	0.2	0.2	0.4	0.2
215	3/29/2019	10:53:06	0.2	0.2	0.2	0.2
216	3/29/2019	10:54:06	0.2	0.2	0.2	0.2
217	3/29/2019	10:55:06	0.2	0.2	0.2	0.2
218	3/29/2019	10:56:06	0.2	0.2	0.2	0.2
219	3/29/2019	10:57:06	0.2	0.2	0.2	0.2
220	3/29/2019	10:58:06	0.2	0.2	0.2	0.2
221	3/29/2019	10:59:06	0.2	0.2	0.2	0.2
222	3/29/2019	11:00:06	0.2	0.2	0.2	0.2

223	3/29/2019 11:01:06	0.2	0.2	0.2	0.2
224	3/29/2019 11:02:06	0.2	0.2	0.2	0.2
225	3/29/2019 11:03:06	0.2	0.2	0.2	0.2
226	3/29/2019 11:04:06	0.2	0.2	0.2	0.2
227	3/29/2019 11:05:06	0.2	0.2	0.2	0.2
228	3/29/2019 11:06:06	0.2	0.2	0.2	0.2
229	3/29/2019 11:07:06	0.2	0.2	0.2	0.2
230	3/29/2019 11:08:06	0.2	0.2	0.2	0.2
231	3/29/2019 11:09:06	0.2	0.2	0.2	0.2
232	3/29/2019 11:10:06	0.2	0.2	0.3	0.2
233	3/29/2019 11:11:06	0.2	0.2	0.2	0.2
234	3/29/2019 11:12:06	0.2	0.2	0.2	0.2
235	3/29/2019 11:13:06	0.2	0.2	0.2	0.2
236	3/29/2019 11:14:06	0.2	0.2	0.2	0.2
237	3/29/2019 11:15:06	0.2	0.2	0.2	0.2
238	3/29/2019 11:16:06	0.2	0.2	0.2	0.2
239	3/29/2019 11:17:06	0.2	0.2	0.2	0.2
240	3/29/2019 11:18:06	0.2	0.2	0.2	0.2
241	3/29/2019 11:19:06	0.2	0.2	0.2	0.2
242	3/29/2019 11:20:06	0.2	0.2	0.2	0.2
243	3/29/2019 11:21:06	0.2	0.2	0.2	0.2
244	3/29/2019 11:22:06	0.2	0.2	0.2	0.2
245	3/29/2019 11:23:06	0.2	0.2	0.2	0.2
246	3/29/2019 11:24:06	0.2	0.2	0.2	0.2
247	3/29/2019 11:25:06	0.2	0.2	0.2	0.2
248	3/29/2019 11:26:06	0.2	0.2	0.2	0.2
249	3/29/2019 11:27:06	0.2	0.2	0.2	0.2
250	3/29/2019 11:28:06	0.2	0.2	0.2	0.2
251	3/29/2019 11:29:06	0.2	0.2	0.2	0.2
252	3/29/2019 11:30:06	0.2	0.2	0.2	0.2
253	3/29/2019 11:31:06	0.2	0.2	0.2	0.2
254	3/29/2019 11:32:06	0.2	0.2	0.2	0.2
255	3/29/2019 11:33:06	0.2	0.2	0.2	0.2
256	3/29/2019 11:34:06	0.2	0.2	0.2	0.2
257	3/29/2019 11:35:06	0.2	0.2	0.2	0.2
258	3/29/2019 11:36:06	0.2	0.2	0.2	0.2
259	3/29/2019 11:37:06	0.2	0.2	0.2	0.2
260	3/29/2019 11:38:06	0.2	0.2	0.2	0.2
261	3/29/2019 11:39:06	0.2	0.2	0.2	0.2
262	3/29/2019 11:40:06	0.2	0.2	0.2	0.2
263	3/29/2019 11:41:06	0.2	0.2	0.2	0.2
264	3/29/2019 11:42:06	0.2	0.2	0.2	0.2
265	3/29/2019 11:43:06	0.2	0.2	0.2	0.2
266	3/29/2019 11:44:06	0.2	0.2	0.2	0.2
267	3/29/2019 11:45:06	0.2	0.2	0.2	0.2
268	3/29/2019 11:46:06	0.2	0.2	0.3	0.2
269	3/29/2019 11:47:06	0.2	0.2	0.2	0.2
270	3/29/2019 11:48:06	0.2	0.2	0.2	0.2
271	3/29/2019 11:49:06	0.2	0.2	0.2	0.2
272	3/29/2019 11:50:06	0.2	0.2	0.2	0.2
273	3/29/2019 11:51:06	0.2	0.2	0.2	0.2
274	3/29/2019 11:52:06	0.2	0.2	0.3	0.2
275	3/29/2019 11:53:06	0.2	0.3	0.4	0.3
276	3/29/2019 11:54:06	0.2	0.2	0.2	0.2
277	3/29/2019 11:55:06	0.2	0.2	0.2	0.2
278	3/29/2019 11:56:06	0.2	0.2	0.3	0.2
279	3/29/2019 11:57:06	0.2	0.2	0.2	0.2

280	3/29/2019	11:58:06	0.2	0.2	0.2	0.2
281	3/29/2019	11:59:06	0.2	0.2	0.3	0.2
282	3/29/2019	12:00:06	0.2	0.2	0.2	0.2
283	3/29/2019	12:01:06	0.2	0.2	0.2	0.2
284	3/29/2019	12:02:06	0.2	0.2	0.2	0.2
285	3/29/2019	12:03:06	0.2	0.3	0.6	0.2
286	3/29/2019	12:04:06	0.2	0.2	0.2	0.2
287	3/29/2019	12:05:06	0.2	0.2	0.2	0.2
288	3/29/2019	12:06:06	0.2	0.2	0.2	0.2
289	3/29/2019	12:07:06	0.2	0.2	0.3	0.3
290	3/29/2019	12:08:06	0.2	0.2	0.4	0.2
291	3/29/2019	12:09:06	0.2	0.2	0.2	0.2
292	3/29/2019	12:10:06	0.2	0.2	0.2	0.2
293	3/29/2019	12:11:06	0.2	0.2	0.2	0.2
294	3/29/2019	12:12:06	0.2	0.2	0.2	0.2
295	3/29/2019	12:13:06	0.2	0.2	0.2	0.2
296	3/29/2019	12:14:06	0.2	0.2	0.2	0.2
297	3/29/2019	12:15:06	0.2	0.2	0.2	0.2
298	3/29/2019	12:16:06	0.2	0.2	0.2	0.2
299	3/29/2019	12:17:06	0.2	0.2	0.2	0.2
300	3/29/2019	12:18:06	0.2	0.2	0.2	0.2
301	3/29/2019	12:19:06	0.2	0.2	0.2	0.2
302	3/29/2019	12:20:06	0.2	0.2	0.2	0.2
303	3/29/2019	12:21:06	0.2	0.2	0.2	0.2
304	3/29/2019	12:22:06	0.2	0.2	0.2	0.2
305	3/29/2019	12:23:06	0.2	0.2	0.2	0.2
306	3/29/2019	12:24:06	0.2	0.2	0.2	0.2
307	3/29/2019	12:25:06	0.2	0.2	0.2	0.2
308	3/29/2019	12:26:06	0.2	0.2	0.2	0.2
309	3/29/2019	12:27:06	0.2	0.2	0.2	0.2
310	3/29/2019	12:28:06	0.2	0.2	0.2	0.2
311	3/29/2019	12:29:06	0.2	0.2	0.2	0.2
312	3/29/2019	12:30:06	0.2	0.2	0.2	0.2
313	3/29/2019	12:31:06	0.2	0.2	0.2	0.2
314	3/29/2019	12:32:06	0.2	0.2	0.2	0.2
315	3/29/2019	12:33:06	0.2	0.2	0.2	0.2
316	3/29/2019	12:34:06	0.2	0.2	0.2	0.2
317	3/29/2019	12:35:06	0.2	0.2	0.2	0.2
318	3/29/2019	12:36:06	0.2	0.2	0.2	0.2
319	3/29/2019	12:37:06	0.2	0.2	0.2	0.2
320	3/29/2019	12:38:06	0.2	0.2	0.2	0.2
321	3/29/2019	12:39:06	0.2	0.2	0.2	0.2
322	3/29/2019	12:40:06	0.2	0.2	0.2	0.2
323	3/29/2019	12:41:06	0.2	0.2	0.2	0.2
324	3/29/2019	12:42:06	0.2	0.2	0.2	0.2
325	3/29/2019	12:43:06	0.2	0.2	0.2	0.2
326	3/29/2019	12:44:06	0.2	0.2	0.2	0.2
Peak		0.3	0.7	1.6	0.3	
Min		0.0	0.0	0.1	0.0	
Average			0.2	0.2	0.2	0.2

****

TWA/STEL

Index		PID(ppm) Date/Time	PID(ppm) (TWA)	(STEL)
001	3/29/2019	07:19:06	0.0	---
002	3/29/2019	07:20:06	0.0	---

003	3/29/2019 07:21:06	0.0	---
004	3/29/2019 07:22:06	0.0	---
005	3/29/2019 07:23:06	0.0	---
006	3/29/2019 07:24:06	0.0	---
007	3/29/2019 07:25:06	0.0	---
008	3/29/2019 07:26:06	0.0	---
009	3/29/2019 07:27:06	0.0	---
010	3/29/2019 07:28:06	0.0	---
011	3/29/2019 07:29:06	0.0	---
012	3/29/2019 07:30:06	0.0	---
013	3/29/2019 07:31:06	0.0	---
014	3/29/2019 07:32:06	0.0	---
015	3/29/2019 07:33:06	0.0	0.1
016	3/29/2019 07:34:06	0.0	0.1
017	3/29/2019 07:35:06	0.0	0.1
018	3/29/2019 07:36:06	0.0	0.1
019	3/29/2019 07:37:06	0.0	0.1
020	3/29/2019 07:38:06	0.0	0.1
021	3/29/2019 07:39:06	0.0	0.1
022	3/29/2019 07:40:06	0.0	0.1
023	3/29/2019 07:41:06	0.0	0.1
024	3/29/2019 07:42:06	0.0	0.1
025	3/29/2019 07:43:06	0.0	0.1
026	3/29/2019 07:44:06	0.0	0.1
027	3/29/2019 07:45:06	0.0	0.1
028	3/29/2019 07:46:06	0.0	0.1
029	3/29/2019 07:47:06	0.0	0.1
030	3/29/2019 07:48:06	0.0	0.1
031	3/29/2019 07:49:06	0.0	0.1
032	3/29/2019 07:50:06	0.0	0.1
033	3/29/2019 07:51:06	0.0	0.1
034	3/29/2019 07:52:06	0.0	0.1
035	3/29/2019 07:53:06	0.0	0.1
036	3/29/2019 07:54:06	0.0	0.1
037	3/29/2019 07:55:06	0.0	0.1
038	3/29/2019 07:56:06	0.0	0.1
039	3/29/2019 07:57:06	0.0	0.1
040	3/29/2019 07:58:06	0.0	0.1
041	3/29/2019 07:59:06	0.0	0.1
042	3/29/2019 08:00:06	0.0	0.1
043	3/29/2019 08:01:06	0.0	0.1
044	3/29/2019 08:02:06	0.0	0.1
045	3/29/2019 08:03:06	0.0	0.1
046	3/29/2019 08:04:06	0.0	0.1
047	3/29/2019 08:05:06	0.0	0.1
048	3/29/2019 08:06:06	0.0	0.1
049	3/29/2019 08:07:06	0.0	0.1
050	3/29/2019 08:08:06	0.0	0.1
051	3/29/2019 08:09:06	0.0	0.1
052	3/29/2019 08:10:06	0.0	0.1
053	3/29/2019 08:11:06	0.0	0.1
054	3/29/2019 08:12:06	0.0	0.1
055	3/29/2019 08:13:06	0.0	0.1
056	3/29/2019 08:14:06	0.0	0.1
057	3/29/2019 08:15:06	0.0	0.1
058	3/29/2019 08:16:06	0.0	0.1
059	3/29/2019 08:17:06	0.0	0.1

060	3/29/2019 08:18:06	0.0	0.1
061	3/29/2019 08:19:06	0.0	0.1
062	3/29/2019 08:20:06	0.0	0.1
063	3/29/2019 08:21:06	0.0	0.1
064	3/29/2019 08:22:06	0.0	0.1
065	3/29/2019 08:23:06	0.0	0.1
066	3/29/2019 08:24:06	0.0	0.1
067	3/29/2019 08:25:06	0.0	0.1
068	3/29/2019 08:26:06	0.0	0.1
069	3/29/2019 08:27:06	0.0	0.1
070	3/29/2019 08:28:06	0.0	0.1
071	3/29/2019 08:29:06	0.0	0.1
072	3/29/2019 08:30:06	0.0	0.1
073	3/29/2019 08:31:06	0.0	0.1
074	3/29/2019 08:32:06	0.0	0.1
075	3/29/2019 08:33:06	0.0	0.1
076	3/29/2019 08:34:06	0.0	0.1
077	3/29/2019 08:35:06	0.0	0.1
078	3/29/2019 08:36:06	0.0	0.1
079	3/29/2019 08:37:06	0.0	0.1
080	3/29/2019 08:38:06	0.0	0.1
081	3/29/2019 08:39:06	0.0	0.1
082	3/29/2019 08:40:06	0.0	0.1
083	3/29/2019 08:41:06	0.0	0.1
084	3/29/2019 08:42:06	0.0	0.1
085	3/29/2019 08:43:06	0.0	0.1
086	3/29/2019 08:44:06	0.0	0.1
087	3/29/2019 08:45:06	0.0	0.1
088	3/29/2019 08:46:06	0.0	0.1
089	3/29/2019 08:47:06	0.0	0.1
090	3/29/2019 08:48:06	0.0	0.1
091	3/29/2019 08:49:06	0.0	0.1
092	3/29/2019 08:50:06	0.0	0.1
093	3/29/2019 08:51:06	0.0	0.1
094	3/29/2019 08:52:06	0.0	0.1
095	3/29/2019 08:53:06	0.0	0.1
096	3/29/2019 08:54:06	0.0	0.1
097	3/29/2019 08:55:06	0.0	0.1
098	3/29/2019 08:56:06	0.0	0.1
099	3/29/2019 08:57:06	0.0	0.1
100	3/29/2019 08:58:06	0.0	0.1
101	3/29/2019 08:59:06	0.0	0.1
102	3/29/2019 09:00:06	0.0	0.1
103	3/29/2019 09:01:06	0.0	0.1
104	3/29/2019 09:02:06	0.0	0.1
105	3/29/2019 09:03:06	0.0	0.1
106	3/29/2019 09:04:06	0.0	0.1
107	3/29/2019 09:05:06	0.0	0.1
108	3/29/2019 09:06:06	0.0	0.2
109	3/29/2019 09:07:06	0.0	0.1
110	3/29/2019 09:08:06	0.0	0.1
111	3/29/2019 09:09:06	0.0	0.2
112	3/29/2019 09:10:06	0.0	0.2
113	3/29/2019 09:11:06	0.0	0.2
114	3/29/2019 09:12:06	0.0	0.2
115	3/29/2019 09:13:06	0.0	0.2
116	3/29/2019 09:14:06	0.0	0.2

117	3/29/2019 09:15:06	0.0	0.2
118	3/29/2019 09:16:06	0.0	0.2
119	3/29/2019 09:17:06	0.0	0.2
120	3/29/2019 09:18:06	0.0	0.2
121	3/29/2019 09:19:06	0.0	0.2
122	3/29/2019 09:20:06	0.0	0.2
123	3/29/2019 09:21:06	0.0	0.2
124	3/29/2019 09:22:06	0.0	0.2
125	3/29/2019 09:23:06	0.0	0.2
126	3/29/2019 09:24:06	0.0	0.2
127	3/29/2019 09:25:06	0.0	0.2
128	3/29/2019 09:26:06	0.0	0.2
129	3/29/2019 09:27:06	0.0	0.2
130	3/29/2019 09:28:06	0.0	0.2
131	3/29/2019 09:29:06	0.0	0.2
132	3/29/2019 09:30:06	0.0	0.2
133	3/29/2019 09:31:06	0.0	0.2
134	3/29/2019 09:32:06	0.0	0.2
135	3/29/2019 09:33:06	0.0	0.2
136	3/29/2019 09:34:06	0.0	0.2
137	3/29/2019 09:35:06	0.0	0.2
138	3/29/2019 09:36:06	0.0	0.2
139	3/29/2019 09:37:06	0.0	0.2
140	3/29/2019 09:38:06	0.0	0.2
141	3/29/2019 09:39:06	0.0	0.2
142	3/29/2019 09:40:06	0.0	0.2
143	3/29/2019 09:41:06	0.0	0.2
144	3/29/2019 09:42:06	0.0	0.2
145	3/29/2019 09:43:06	0.0	0.2
146	3/29/2019 09:44:06	0.0	0.2
147	3/29/2019 09:45:06	0.0	0.2
148	3/29/2019 09:46:06	0.0	0.2
149	3/29/2019 09:47:06	0.0	0.2
150	3/29/2019 09:48:06	0.0	0.2
151	3/29/2019 09:49:06	0.0	0.2
152	3/29/2019 09:50:06	0.0	0.2
153	3/29/2019 09:51:06	0.0	0.2
154	3/29/2019 09:52:06	0.0	0.2
155	3/29/2019 09:53:06	0.0	0.2
156	3/29/2019 09:54:06	0.0	0.2
157	3/29/2019 09:55:06	0.0	0.2
158	3/29/2019 09:56:06	0.0	0.2
159	3/29/2019 09:57:06	0.0	0.2
160	3/29/2019 09:58:06	0.0	0.2
161	3/29/2019 09:59:06	0.0	0.2
162	3/29/2019 10:00:06	0.0	0.2
163	3/29/2019 10:01:06	0.0	0.2
164	3/29/2019 10:02:06	0.0	0.2
165	3/29/2019 10:03:06	0.0	0.2
166	3/29/2019 10:04:06	0.0	0.2
167	3/29/2019 10:05:06	0.0	0.2
168	3/29/2019 10:06:06	0.0	0.2
169	3/29/2019 10:07:06	0.0	0.2
170	3/29/2019 10:08:06	0.0	0.2
171	3/29/2019 10:09:06	0.0	0.2
172	3/29/2019 10:10:06	0.0	0.2
173	3/29/2019 10:11:06	0.1	0.2

174	3/29/2019	10:12:06	0.1	0.2
175	3/29/2019	10:13:06	0.1	0.2
176	3/29/2019	10:14:06	0.1	0.2
177	3/29/2019	10:15:06	0.1	0.2
178	3/29/2019	10:16:06	0.1	0.2
179	3/29/2019	10:17:06	0.1	0.2
180	3/29/2019	10:18:06	0.1	0.2
181	3/29/2019	10:19:06	0.1	0.2
182	3/29/2019	10:20:06	0.1	0.2
183	3/29/2019	10:21:06	0.1	0.2
184	3/29/2019	10:22:06	0.1	0.2
185	3/29/2019	10:23:06	0.1	0.2
186	3/29/2019	10:24:06	0.1	0.2
187	3/29/2019	10:25:06	0.1	0.2
188	3/29/2019	10:26:06	0.1	0.2
189	3/29/2019	10:27:06	0.1	0.2
190	3/29/2019	10:28:06	0.1	0.2
191	3/29/2019	10:29:06	0.1	0.2
192	3/29/2019	10:30:06	0.1	0.2
193	3/29/2019	10:31:06	0.1	0.2
194	3/29/2019	10:32:06	0.1	0.2
195	3/29/2019	10:33:06	0.1	0.2
196	3/29/2019	10:34:06	0.1	0.2
197	3/29/2019	10:35:06	0.1	0.2
198	3/29/2019	10:36:06	0.1	0.2
199	3/29/2019	10:37:06	0.1	0.2
200	3/29/2019	10:38:06	0.1	0.2
201	3/29/2019	10:39:06	0.1	0.2
202	3/29/2019	10:40:06	0.1	0.2
203	3/29/2019	10:41:06	0.1	0.2
204	3/29/2019	10:42:06	0.1	0.2
205	3/29/2019	10:43:06	0.1	0.2
206	3/29/2019	10:44:06	0.1	0.2
207	3/29/2019	10:45:06	0.1	0.2
208	3/29/2019	10:46:06	0.1	0.2
209	3/29/2019	10:47:06	0.1	0.2
210	3/29/2019	10:48:06	0.1	0.2
211	3/29/2019	10:49:06	0.1	0.2
212	3/29/2019	10:50:06	0.1	0.2
213	3/29/2019	10:51:06	0.1	0.2
214	3/29/2019	10:52:06	0.1	0.2
215	3/29/2019	10:53:06	0.1	0.2
216	3/29/2019	10:54:06	0.1	0.2
217	3/29/2019	10:55:06	0.1	0.2
218	3/29/2019	10:56:06	0.1	0.2
219	3/29/2019	10:57:06	0.1	0.2
220	3/29/2019	10:58:06	0.1	0.2
221	3/29/2019	10:59:06	0.1	0.2
222	3/29/2019	11:00:06	0.1	0.2
223	3/29/2019	11:01:06	0.1	0.2
224	3/29/2019	11:02:06	0.1	0.2
225	3/29/2019	11:03:06	0.1	0.2
226	3/29/2019	11:04:06	0.1	0.2
227	3/29/2019	11:05:06	0.1	0.2
228	3/29/2019	11:06:06	0.1	0.2
229	3/29/2019	11:07:06	0.1	0.2
230	3/29/2019	11:08:06	0.1	0.2

231	3/29/2019	11:09:06	0.1	0.2
232	3/29/2019	11:10:06	0.1	0.2
233	3/29/2019	11:11:06	0.1	0.2
234	3/29/2019	11:12:06	0.1	0.2
235	3/29/2019	11:13:06	0.1	0.2
236	3/29/2019	11:14:06	0.1	0.2
237	3/29/2019	11:15:06	0.1	0.2
238	3/29/2019	11:16:06	0.1	0.2
239	3/29/2019	11:17:06	0.1	0.2
240	3/29/2019	11:18:06	0.1	0.2
241	3/29/2019	11:19:06	0.1	0.2
242	3/29/2019	11:20:06	0.1	0.2
243	3/29/2019	11:21:06	0.1	0.2
244	3/29/2019	11:22:06	0.1	0.2
245	3/29/2019	11:23:06	0.1	0.2
246	3/29/2019	11:24:06	0.1	0.2
247	3/29/2019	11:25:06	0.1	0.2
248	3/29/2019	11:26:06	0.1	0.2
249	3/29/2019	11:27:06	0.1	0.2
250	3/29/2019	11:28:06	0.1	0.2
251	3/29/2019	11:29:06	0.1	0.2
252	3/29/2019	11:30:06	0.1	0.2
253	3/29/2019	11:31:06	0.1	0.2
254	3/29/2019	11:32:06	0.1	0.2
255	3/29/2019	11:33:06	0.1	0.2
256	3/29/2019	11:34:06	0.1	0.2
257	3/29/2019	11:35:06	0.1	0.2
258	3/29/2019	11:36:06	0.1	0.2
259	3/29/2019	11:37:06	0.1	0.2
260	3/29/2019	11:38:06	0.1	0.2
261	3/29/2019	11:39:06	0.1	0.2
262	3/29/2019	11:40:06	0.1	0.2
263	3/29/2019	11:41:06	0.1	0.2
264	3/29/2019	11:42:06	0.1	0.2
265	3/29/2019	11:43:06	0.1	0.2
266	3/29/2019	11:44:06	0.1	0.2
267	3/29/2019	11:45:06	0.1	0.2
268	3/29/2019	11:46:06	0.1	0.2
269	3/29/2019	11:47:06	0.1	0.2
270	3/29/2019	11:48:06	0.1	0.2
271	3/29/2019	11:49:06	0.1	0.2
272	3/29/2019	11:50:06	0.1	0.2
273	3/29/2019	11:51:06	0.1	0.2
274	3/29/2019	11:52:06	0.1	0.2
275	3/29/2019	11:53:06	0.1	0.2
276	3/29/2019	11:54:06	0.1	0.2
277	3/29/2019	11:55:06	0.1	0.2
278	3/29/2019	11:56:06	0.1	0.2
279	3/29/2019	11:57:06	0.1	0.2
280	3/29/2019	11:58:06	0.1	0.2
281	3/29/2019	11:59:06	0.1	0.2
282	3/29/2019	12:00:06	0.1	0.2
283	3/29/2019	12:01:06	0.1	0.2
284	3/29/2019	12:02:06	0.1	0.2
285	3/29/2019	12:03:06	0.1	0.2
286	3/29/2019	12:04:06	0.1	0.2
287	3/29/2019	12:05:06	0.1	0.2

288	3/29/2019 12:06:06	0.1	0.2
289	3/29/2019 12:07:06	0.1	0.2
290	3/29/2019 12:08:06	0.1	0.2
291	3/29/2019 12:09:06	0.1	0.2
292	3/29/2019 12:10:06	0.1	0.2
293	3/29/2019 12:11:06	0.1	0.2
294	3/29/2019 12:12:06	0.1	0.2
295	3/29/2019 12:13:06	0.1	0.2
296	3/29/2019 12:14:06	0.1	0.2
297	3/29/2019 12:15:06	0.1	0.2
298	3/29/2019 12:16:06	0.1	0.2
299	3/29/2019 12:17:06	0.1	0.2
300	3/29/2019 12:18:06	0.1	0.2
301	3/29/2019 12:19:06	0.1	0.2
302	3/29/2019 12:20:06	0.1	0.2
303	3/29/2019 12:21:06	0.1	0.2
304	3/29/2019 12:22:06	0.1	0.2
305	3/29/2019 12:23:06	0.1	0.2
306	3/29/2019 12:24:06	0.1	0.2
307	3/29/2019 12:25:06	0.1	0.2
308	3/29/2019 12:26:06	0.1	0.2
309	3/29/2019 12:27:06	0.1	0.2
310	3/29/2019 12:28:06	0.1	0.2
311	3/29/2019 12:29:06	0.1	0.2
312	3/29/2019 12:30:06	0.1	0.2
313	3/29/2019 12:31:06	0.1	0.2
314	3/29/2019 12:32:06	0.1	0.2
315	3/29/2019 12:33:06	0.1	0.2
316	3/29/2019 12:34:06	0.1	0.2
317	3/29/2019 12:35:06	0.1	0.2
318	3/29/2019 12:36:06	0.1	0.2
319	3/29/2019 12:37:06	0.1	0.2
320	3/29/2019 12:38:06	0.1	0.2
321	3/29/2019 12:39:06	0.1	0.2
322	3/29/2019 12:40:06	0.1	0.2
323	3/29/2019 12:41:06	0.1	0.2
324	3/29/2019 12:42:06	0.1	0.2
325	3/29/2019 12:43:06	0.1	0.2
326	3/29/2019 12:44:06	0.1	0.2

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19/04/01 07:17

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/1/2019 07:17:59

End 4/1/2019 14:44:20
Sample Period(s) 60
Number of Records 446

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/1/2019 07:09
Peak 4.5
Min 0.0
Average 0.4

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Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/1/2019 07:18:59	0.0	0.0	0.0	0.0
002	4/1/2019 07:19:59	0.0	0.0	0.1	0.0
003	4/1/2019 07:20:59	0.0	0.0	0.1	0.0
004	4/1/2019 07:21:59	0.0	0.0	0.0	0.0
005	4/1/2019 07:22:59	0.0	0.0	0.0	0.0
006	4/1/2019 07:23:59	0.0	0.0	0.1	0.1
007	4/1/2019 07:24:59	0.0	0.0	0.1	0.1
008	4/1/2019 07:25:59	0.0	0.0	0.1	0.0
009	4/1/2019 07:26:59	0.0	0.0	0.1	0.0
010	4/1/2019 07:27:59	0.0	0.0	0.1	0.0
011	4/1/2019 07:28:59	0.0	0.0	0.0	0.0
012	4/1/2019 07:29:59	0.0	0.0	0.1	0.1
013	4/1/2019 07:30:59	0.0	0.1	0.4	0.1
014	4/1/2019 07:31:59	0.0	0.1	0.1	0.1
015	4/1/2019 07:32:59	0.0	0.1	0.1	0.1
016	4/1/2019 07:33:59	0.1	0.1	0.1	0.1
017	4/1/2019 07:34:59	0.1	0.1	0.1	0.1
018	4/1/2019 07:35:59	0.0	0.1	0.1	0.1
019	4/1/2019 07:36:59	0.1	0.1	0.1	0.1
020	4/1/2019 07:37:59	0.1	0.1	0.1	0.1
021	4/1/2019 07:38:59	0.1	0.1	0.1	0.1
022	4/1/2019 07:39:59	0.1	0.1	0.1	0.1
023	4/1/2019 07:40:59	0.1	0.1	0.1	0.1
024	4/1/2019 07:41:59	0.1	0.1	0.1	0.1
025	4/1/2019 07:42:59	0.1	0.1	0.2	0.1
026	4/1/2019 07:43:59	0.1	0.1	0.2	0.1
027	4/1/2019 07:44:59	0.1	0.1	0.1	0.1
028	4/1/2019 07:45:59	0.1	0.1	0.6	0.4
029	4/1/2019 07:46:59	0.1	0.5	1.0	1.0
030	4/1/2019 07:47:59	0.6	2.6	9.5	1.3
031	4/1/2019 07:48:59	0.2	0.3	1.2	0.2
032	4/1/2019 07:49:59	0.1	0.1	0.2	0.1
033	4/1/2019 07:50:59	0.1	1.1	9.0	1.5

034	4/1/2019	07:51:59	0.2	1.3	5.1	0.7
035	4/1/2019	07:52:59	0.3	1.4	5.0	3.5
036	4/1/2019	07:53:59	0.2	0.5	2.7	0.2
037	4/1/2019	07:54:59	0.1	0.2	0.5	0.4
038	4/1/2019	07:55:59	0.4	1.0	2.8	2.0
039	4/1/2019	07:56:59	0.3	0.9	2.6	0.4
040	4/1/2019	07:57:59	0.2	0.5	1.1	0.6
041	4/1/2019	07:58:59	0.2	0.5	1.3	0.2
042	4/1/2019	07:59:59	0.1	0.3	1.1	0.3
043	4/1/2019	08:00:59	0.2	0.4	1.5	0.3
044	4/1/2019	08:01:59	0.2	0.3	0.7	0.5
045	4/1/2019	08:02:59	0.1	0.2	1.0	1.0
046	4/1/2019	08:03:59	0.1	0.3	1.2	0.1
047	4/1/2019	08:04:59	0.1	0.2	1.0	1.0
048	4/1/2019	08:05:59	0.2	0.6	1.1	0.2
049	4/1/2019	08:06:59	0.1	0.2	0.2	0.1
050	4/1/2019	08:07:59	0.1	0.1	0.2	0.2
051	4/1/2019	08:08:59	0.1	0.4	2.2	0.3
052	4/1/2019	08:09:59	0.1	0.2	0.4	0.1
053	4/1/2019	08:10:59	0.1	0.1	0.2	0.1
054	4/1/2019	08:11:59	0.1	0.2	0.3	0.2
055	4/1/2019	08:12:59	0.2	0.2	0.4	0.2
056	4/1/2019	08:13:59	0.1	0.1	0.2	0.1
057	4/1/2019	08:14:59	0.1	0.2	1.0	0.2
058	4/1/2019	08:15:59	0.1	0.5	1.6	0.7
059	4/1/2019	08:16:59	0.2	0.4	0.8	0.2
060	4/1/2019	08:17:59	0.2	0.2	0.2	0.2
061	4/1/2019	08:18:59	0.2	0.2	0.2	0.2
062	4/1/2019	08:19:59	0.2	0.2	0.2	0.2
063	4/1/2019	08:20:59	0.2	2.1	8.6	4.5
064	4/1/2019	08:21:59	0.4	0.8	4.4	0.4
065	4/1/2019	08:22:59	0.2	0.2	0.4	0.3
066	4/1/2019	08:23:59	0.2	1.6	12.9	0.8
067	4/1/2019	08:24:59	0.5	1.8	7.2	1.3
068	4/1/2019	08:25:59	0.4	1.1	3.3	0.4
069	4/1/2019	08:26:59	0.3	1.2	5.8	0.5
070	4/1/2019	08:27:59	0.3	1.1	6.1	0.3
071	4/1/2019	08:28:59	0.2	0.3	0.4	0.2
072	4/1/2019	08:29:59	0.2	0.4	1.7	1.7
073	4/1/2019	08:30:59	0.4	0.8	2.4	0.6
074	4/1/2019	08:31:59	0.3	0.5	0.6	0.5
075	4/1/2019	08:32:59	0.3	0.7	1.4	0.3
076	4/1/2019	08:33:59	0.3	0.4	0.6	0.4
077	4/1/2019	08:34:59	0.3	1.0	2.5	1.7
078	4/1/2019	08:35:59	0.3	0.9	2.0	2.0
079	4/1/2019	08:36:59	0.4	0.8	1.9	1.0
080	4/1/2019	08:37:59	0.4	0.7	1.5	0.6
081	4/1/2019	08:38:59	0.3	0.4	0.6	0.3
082	4/1/2019	08:39:59	0.4	0.6	1.0	1.0
083	4/1/2019	08:40:59	0.4	0.7	1.1	0.4
084	4/1/2019	08:41:59	0.3	0.8	1.9	0.9
085	4/1/2019	08:42:59	0.4	0.7	1.1	0.4
086	4/1/2019	08:43:59	0.3	0.6	2.5	0.4
087	4/1/2019	08:44:59	0.3	0.5	1.4	0.5
088	4/1/2019	08:45:59	0.3	0.4	0.5	0.4
089	4/1/2019	08:46:59	0.3	0.3	0.7	0.5
090	4/1/2019	08:47:59	0.3	0.4	0.9	0.3

091	4/1/2019 08:48:59	0.2	0.2	0.3	0.2
092	4/1/2019 08:49:59	0.2	0.2	0.2	0.2
093	4/1/2019 08:50:59	0.2	0.4	1.1	0.2
094	4/1/2019 08:51:59	0.2	0.2	0.2	0.2
095	4/1/2019 08:52:59	0.2	0.4	1.3	0.3
096	4/1/2019 08:53:59	0.2	0.4	1.3	0.3
097	4/1/2019 08:54:59	0.2	0.6	2.0	0.3
098	4/1/2019 08:55:59	0.2	0.3	0.6	0.2
099	4/1/2019 08:56:59	0.2	0.5	1.5	0.4
100	4/1/2019 08:57:59	0.3	0.5	0.9	0.7
101	4/1/2019 08:58:59	0.4	1.6	4.7	2.8
102	4/1/2019 08:59:59	0.7	1.6	3.8	1.2
103	4/1/2019 09:00:59	0.5	0.9	1.9	1.1
104	4/1/2019 09:01:59	0.6	1.7	3.7	1.2
105	4/1/2019 09:02:59	0.4	0.8	1.7	0.4
106	4/1/2019 09:03:59	0.3	0.3	0.4	0.3
107	4/1/2019 09:04:59	0.3	0.3	0.3	0.3
108	4/1/2019 09:05:59	0.2	0.2	0.3	0.2
109	4/1/2019 09:06:59	0.2	0.3	0.6	0.4
110	4/1/2019 09:07:59	0.2	0.3	0.4	0.4
111	4/1/2019 09:08:59	0.3	0.4	1.1	0.3
112	4/1/2019 09:09:59	0.3	0.3	0.6	0.3
113	4/1/2019 09:10:59	0.2	0.8	3.6	0.7
114	4/1/2019 09:11:59	0.3	0.6	1.0	0.3
115	4/1/2019 09:12:59	0.3	0.4	0.7	0.3
116	4/1/2019 09:13:59	0.3	0.3	0.3	0.3
117	4/1/2019 09:14:59	0.3	0.4	0.9	0.7
118	4/1/2019 09:15:59	0.2	0.3	0.6	0.2
119	4/1/2019 09:16:59	0.2	0.4	1.1	1.1
120	4/1/2019 09:17:59	0.4	0.8	1.7	0.4
121	4/1/2019 09:18:59	0.3	0.3	0.4	0.3
122	4/1/2019 09:19:59	0.3	0.4	0.6	0.4
123	4/1/2019 09:20:59	0.3	0.5	1.2	0.4
124	4/1/2019 09:21:59	0.4	0.6	1.2	0.4
125	4/1/2019 09:22:59	0.3	0.3	0.5	0.5
126	4/1/2019 09:23:59	0.3	0.5	0.7	0.4
127	4/1/2019 09:24:59	0.3	0.3	0.9	0.3
128	4/1/2019 09:25:59	0.3	0.3	0.3	0.3
129	4/1/2019 09:26:59	0.3	0.3	0.3	0.3
130	4/1/2019 09:27:59	0.3	0.4	0.7	0.3
131	4/1/2019 09:28:59	0.2	0.2	0.3	0.2
132	4/1/2019 09:29:59	0.2	0.5	0.8	0.4
133	4/1/2019 09:30:59	0.3	0.3	0.6	0.3
134	4/1/2019 09:31:59	0.2	0.3	0.4	0.2
135	4/1/2019 09:32:59	0.2	0.3	0.7	0.6
136	4/1/2019 09:33:59	0.3	0.4	0.7	0.3
137	4/1/2019 09:34:59	0.2	0.3	0.3	0.2
138	4/1/2019 09:35:59	0.2	0.5	1.9	0.3
139	4/1/2019 09:36:59	0.3	0.3	0.3	0.3
140	4/1/2019 09:37:59	0.2	0.2	0.3	0.2
141	4/1/2019 09:38:59	0.2	0.2	0.2	0.2
142	4/1/2019 09:39:59	0.2	0.5	1.0	0.3
143	4/1/2019 09:40:59	0.3	0.6	3.6	3.6
144	4/1/2019 09:41:59	0.3	1.0	4.4	0.3
145	4/1/2019 09:42:59	0.3	0.3	0.5	0.4
146	4/1/2019 09:43:59	0.3	0.7	2.0	0.6
147	4/1/2019 09:44:59	0.3	0.6	3.2	3.2

148	4/1/2019	09:45:59	0.3	0.9	4.5	0.3
149	4/1/2019	09:46:59	0.3	0.3	0.3	0.3
150	4/1/2019	09:47:59	0.3	2.6	11.1	0.8
151	4/1/2019	09:48:59	0.4	0.5	0.7	0.4
152	4/1/2019	09:49:59	0.4	1.0	3.3	2.1
153	4/1/2019	09:50:59	0.6	1.2	4.7	0.6
154	4/1/2019	09:51:59	0.5	1.2	2.6	2.6
155	4/1/2019	09:52:59	0.4	0.8	2.7	0.6
156	4/1/2019	09:53:59	0.4	0.6	1.3	0.4
157	4/1/2019	09:54:59	0.3	0.7	2.5	0.4
158	4/1/2019	09:55:59	0.4	1.2	2.6	1.3
159	4/1/2019	09:56:59	0.8	2.3	7.6	0.9
160	4/1/2019	09:57:59	0.4	0.8	1.9	0.4
161	4/1/2019	09:58:59	0.4	1.1	4.9	0.8
162	4/1/2019	09:59:59	0.3	0.4	0.7	0.3
163	4/1/2019	10:00:59	0.3	0.4	0.8	0.3
164	4/1/2019	10:01:59	0.3	0.4	0.7	0.3
165	4/1/2019	10:02:59	0.3	0.5	2.1	0.3
166	4/1/2019	10:03:59	0.3	1.3	5.6	0.6
167	4/1/2019	10:04:59	0.3	0.4	0.6	0.3
168	4/1/2019	10:05:59	0.3	0.3	0.4	0.4
169	4/1/2019	10:06:59	0.3	0.4	0.6	0.3
170	4/1/2019	10:07:59	0.3	0.5	1.3	0.4
171	4/1/2019	10:08:59	0.4	0.7	1.3	1.2
172	4/1/2019	10:09:59	0.4	0.5	1.3	0.5
173	4/1/2019	10:10:59	0.4	0.5	0.6	0.5
174	4/1/2019	10:11:59	0.3	0.5	0.7	0.3
175	4/1/2019	10:12:59	0.3	0.3	0.4	0.3
176	4/1/2019	10:13:59	0.3	0.4	0.6	0.6
177	4/1/2019	10:14:59	0.3	0.4	0.9	0.3
178	4/1/2019	10:15:59	0.3	0.4	1.0	0.4
179	4/1/2019	10:16:59	0.3	0.4	0.8	0.4
180	4/1/2019	10:17:59	0.3	0.4	0.7	0.3
181	4/1/2019	10:18:59	0.3	0.8	2.3	2.0
182	4/1/2019	10:19:59	0.3	0.5	1.9	0.3
183	4/1/2019	10:20:59	0.3	0.8	1.6	0.4
184	4/1/2019	10:21:59	0.3	0.5	0.9	0.6
185	4/1/2019	10:22:59	0.3	0.4	0.7	0.3
186	4/1/2019	10:23:59	0.3	0.4	0.9	0.3
187	4/1/2019	10:24:59	0.3	0.3	0.3	0.3
188	4/1/2019	10:25:59	0.3	0.3	0.3	0.3
189	4/1/2019	10:26:59	0.3	0.6	1.6	0.5
190	4/1/2019	10:27:59	0.3	0.5	1.0	0.5
191	4/1/2019	10:28:59	0.3	0.5	0.7	0.3
192	4/1/2019	10:29:59	0.3	0.6	1.7	0.5
193	4/1/2019	10:30:59	0.4	0.5	0.7	0.4
194	4/1/2019	10:31:59	0.3	0.4	0.5	0.3
195	4/1/2019	10:32:59	0.3	0.4	0.7	0.6
196	4/1/2019	10:33:59	0.4	0.5	0.9	0.4
197	4/1/2019	10:34:59	0.3	0.4	0.7	0.4
198	4/1/2019	10:35:59	0.3	0.5	0.9	0.4
199	4/1/2019	10:36:59	0.3	0.4	0.6	0.4
200	4/1/2019	10:37:59	0.4	0.6	1.3	0.4
201	4/1/2019	10:38:59	0.4	0.7	1.9	0.8
202	4/1/2019	10:39:59	0.4	0.6	1.0	0.4
203	4/1/2019	10:40:59	0.4	0.6	1.9	0.4
204	4/1/2019	10:41:59	0.3	0.4	0.9	0.5

205	4/1/2019	10:42:59	0.3	0.3	0.5	0.3
206	4/1/2019	10:43:59	0.3	0.3	0.4	0.3
207	4/1/2019	10:44:59	0.3	0.4	0.6	0.3
208	4/1/2019	10:45:59	0.3	0.3	0.3	0.3
209	4/1/2019	10:46:59	0.3	0.5	1.1	0.3
210	4/1/2019	10:47:59	0.3	0.3	0.5	0.3
211	4/1/2019	10:48:59	0.3	0.3	0.5	0.3
212	4/1/2019	10:49:59	0.3	0.3	0.5	0.5
213	4/1/2019	10:50:59	0.3	0.4	0.8	0.3
214	4/1/2019	10:51:59	0.3	0.4	0.9	0.4
215	4/1/2019	10:52:59	0.3	0.4	1.2	0.4
216	4/1/2019	10:53:59	0.3	0.3	0.3	0.3
217	4/1/2019	10:54:59	0.3	0.3	0.3	0.3
218	4/1/2019	10:55:59	0.3	0.4	0.8	0.3
219	4/1/2019	10:56:59	0.3	0.5	0.9	0.3
220	4/1/2019	10:57:59	0.3	0.4	0.9	0.4
221	4/1/2019	10:58:59	0.3	0.3	0.4	0.3
222	4/1/2019	10:59:59	0.3	0.3	0.4	0.3
223	4/1/2019	11:00:59	0.3	0.4	0.6	0.3
224	4/1/2019	11:01:59	0.3	0.3	0.3	0.3
225	4/1/2019	11:02:59	0.3	0.3	0.3	0.3
226	4/1/2019	11:03:59	0.3	0.3	0.7	0.3
227	4/1/2019	11:04:59	0.3	0.3	0.3	0.3
228	4/1/2019	11:05:59	0.3	0.3	0.3	0.3
229	4/1/2019	11:06:59	0.3	0.3	0.3	0.3
230	4/1/2019	11:07:59	0.3	0.3	0.3	0.3
231	4/1/2019	11:08:59	0.3	0.3	0.4	0.3
232	4/1/2019	11:09:59	0.3	0.3	0.4	0.3
233	4/1/2019	11:10:59	0.3	0.3	0.3	0.3
234	4/1/2019	11:11:59	0.3	0.3	0.3	0.3
235	4/1/2019	11:12:59	0.3	0.3	0.3	0.3
236	4/1/2019	11:13:59	0.3	0.3	0.5	0.5
237	4/1/2019	11:14:59	0.3	0.4	0.6	0.3
238	4/1/2019	11:15:59	0.3	0.3	0.4	0.3
239	4/1/2019	11:16:59	0.3	0.3	0.4	0.3
240	4/1/2019	11:17:59	0.3	0.3	0.4	0.3
241	4/1/2019	11:18:59	0.3	0.3	0.5	0.3
242	4/1/2019	11:19:59	0.3	0.3	0.4	0.3
243	4/1/2019	11:20:59	0.3	0.3	0.4	0.4
244	4/1/2019	11:21:59	0.3	0.3	0.4	0.3
245	4/1/2019	11:22:59	0.3	0.3	0.3	0.3
246	4/1/2019	11:23:59	0.3	0.3	0.4	0.3
247	4/1/2019	11:24:59	0.3	0.3	0.5	0.5
248	4/1/2019	11:25:59	0.3	0.4	0.6	0.3
249	4/1/2019	11:26:59	0.3	0.3	0.4	0.3
250	4/1/2019	11:27:59	0.3	0.3	0.3	0.3
251	4/1/2019	11:28:59	0.3	0.3	0.3	0.3
252	4/1/2019	11:29:59	0.3	0.3	0.3	0.3
253	4/1/2019	11:30:59	0.3	0.3	0.3	0.3
254	4/1/2019	11:31:59	0.3	0.3	0.5	0.5
255	4/1/2019	11:32:59	0.3	0.3	0.5	0.3
256	4/1/2019	11:33:59	0.3	0.3	0.3	0.3
257	4/1/2019	11:34:59	0.3	0.3	0.3	0.3
258	4/1/2019	11:35:59	0.3	0.3	0.3	0.3
259	4/1/2019	11:36:59	0.3	0.3	0.5	0.5
260	4/1/2019	11:37:59	0.3	0.3	0.4	0.3
261	4/1/2019	11:38:59	0.3	0.3	0.4	0.3

262	4/1/2019	11:39:59	0.3	0.3	0.4	0.3
263	4/1/2019	11:40:59	0.3	0.3	0.5	0.4
264	4/1/2019	11:41:59	0.3	0.3	0.4	0.3
265	4/1/2019	11:42:59	0.3	0.3	0.5	0.3
266	4/1/2019	11:43:59	0.3	0.3	0.4	0.3
267	4/1/2019	11:44:59	0.3	0.3	0.3	0.3
268	4/1/2019	11:45:59	0.3	0.3	0.3	0.3
269	4/1/2019	11:46:59	0.3	0.3	0.3	0.3
270	4/1/2019	11:47:59	0.3	0.3	0.3	0.3
271	4/1/2019	11:48:59	0.3	0.3	0.3	0.3
272	4/1/2019	11:49:59	0.3	0.3	0.4	0.3
273	4/1/2019	11:50:59	0.3	0.3	0.4	0.3
274	4/1/2019	11:51:59	0.3	0.3	0.3	0.3
275	4/1/2019	11:52:59	0.3	0.3	0.3	0.3
276	4/1/2019	11:53:59	0.3	0.3	0.3	0.3
277	4/1/2019	11:54:59	0.3	0.3	0.4	0.3
278	4/1/2019	11:55:59	0.3	0.3	0.4	0.3
279	4/1/2019	11:56:59	0.3	0.3	0.4	0.3
280	4/1/2019	11:57:59	0.3	0.3	0.3	0.3
281	4/1/2019	11:58:59	0.3	0.3	0.3	0.3
282	4/1/2019	11:59:59	0.3	0.3	0.4	0.3
283	4/1/2019	12:00:59	0.3	0.3	0.4	0.3
284	4/1/2019	12:01:59	0.3	0.3	0.3	0.3
285	4/1/2019	12:02:59	0.3	0.3	0.3	0.3
286	4/1/2019	12:03:59	0.3	0.3	0.3	0.3
287	4/1/2019	12:04:59	0.3	0.3	0.3	0.3
288	4/1/2019	12:05:59	0.3	0.3	0.3	0.3
289	4/1/2019	12:06:59	0.3	0.3	0.4	0.4
290	4/1/2019	12:07:59	0.3	0.3	0.4	0.3
291	4/1/2019	12:08:59	0.3	0.3	0.4	0.3
292	4/1/2019	12:09:59	0.3	0.3	0.4	0.3
293	4/1/2019	12:10:59	0.3	0.3	0.3	0.3
294	4/1/2019	12:11:59	0.3	0.3	0.3	0.3
295	4/1/2019	12:12:59	0.3	0.3	0.4	0.3
296	4/1/2019	12:13:59	0.3	0.3	0.3	0.3
297	4/1/2019	12:14:59	0.3	0.3	0.3	0.3
298	4/1/2019	12:15:59	0.3	0.3	0.3	0.3
299	4/1/2019	12:16:59	0.3	0.3	0.4	0.3
300	4/1/2019	12:17:59	0.3	0.3	0.3	0.3
301	4/1/2019	12:18:59	0.3	0.3	0.4	0.3
302	4/1/2019	12:19:59	0.3	0.3	0.4	0.3
303	4/1/2019	12:20:59	0.3	0.3	0.3	0.3
304	4/1/2019	12:21:59	0.2	0.3	0.3	0.2
305	4/1/2019	12:22:59	0.2	0.3	0.4	0.4
306	4/1/2019	12:23:59	0.3	0.3	0.4	0.3
307	4/1/2019	12:24:59	0.2	0.3	0.4	0.3
308	4/1/2019	12:25:59	0.3	0.3	0.4	0.4
309	4/1/2019	12:26:59	0.3	0.3	0.4	0.4
310	4/1/2019	12:27:59	0.3	0.3	0.4	0.3
311	4/1/2019	12:28:59	0.2	0.3	0.4	0.2
312	4/1/2019	12:29:59	0.2	0.3	0.4	0.3
313	4/1/2019	12:30:59	0.2	0.3	0.4	0.3
314	4/1/2019	12:31:59	0.2	0.3	0.4	0.3
315	4/1/2019	12:32:59	0.2	0.3	0.4	0.2
316	4/1/2019	12:33:59	0.2	0.3	0.4	0.3
317	4/1/2019	12:34:59	0.2	0.2	0.3	0.2
318	4/1/2019	12:35:59	0.2	0.2	0.3	0.2

319	4/1/2019	12:36:59	0.2	0.2	0.3	0.2
320	4/1/2019	12:37:59	0.2	0.3	0.3	0.3
321	4/1/2019	12:38:59	0.2	0.3	0.4	0.2
322	4/1/2019	12:39:59	0.2	0.2	0.3	0.3
323	4/1/2019	12:40:59	0.2	0.3	0.3	0.3
324	4/1/2019	12:41:59	0.2	0.3	0.3	0.2
325	4/1/2019	12:42:59	0.2	0.2	0.2	0.2
326	4/1/2019	12:43:59	0.2	0.2	0.3	0.3
327	4/1/2019	12:44:59	0.2	0.2	0.3	0.2
328	4/1/2019	12:45:59	0.2	0.2	0.2	0.2
329	4/1/2019	12:46:59	0.2	0.2	0.2	0.2
330	4/1/2019	12:47:59	0.2	0.2	0.3	0.3
331	4/1/2019	12:48:59	0.2	0.3	0.3	0.2
332	4/1/2019	12:49:59	0.2	0.2	0.2	0.2
333	4/1/2019	12:50:59	0.2	0.2	0.3	0.2
334	4/1/2019	12:51:59	0.2	0.2	0.3	0.3
335	4/1/2019	12:52:59	0.2	0.2	0.3	0.3
336	4/1/2019	12:53:59	0.2	0.3	0.3	0.2
337	4/1/2019	12:54:59	0.2	0.3	0.4	0.3
338	4/1/2019	12:55:59	0.2	0.2	0.3	0.2
339	4/1/2019	12:56:59	0.2	0.2	0.3	0.2
340	4/1/2019	12:57:59	0.2	0.2	0.3	0.2
341	4/1/2019	12:58:59	0.2	0.2	0.3	0.2
342	4/1/2019	12:59:59	0.2	0.2	0.2	0.2
343	4/1/2019	13:00:59	0.2	0.2	0.3	0.2
344	4/1/2019	13:01:59	0.2	0.2	0.2	0.2
345	4/1/2019	13:02:59	0.2	0.2	0.2	0.2
346	4/1/2019	13:03:59	0.2	0.2	0.2	0.2
347	4/1/2019	13:04:59	0.2	0.3	0.4	0.3
348	4/1/2019	13:05:59	0.2	0.2	0.3	0.2
349	4/1/2019	13:06:59	0.2	0.2	0.2	0.2
350	4/1/2019	13:07:59	0.2	0.2	0.3	0.3
351	4/1/2019	13:08:59	0.2	0.3	0.3	0.3
352	4/1/2019	13:09:59	0.2	0.3	0.3	0.2
353	4/1/2019	13:10:59	0.2	0.2	0.3	0.2
354	4/1/2019	13:11:59	0.2	0.2	0.2	0.2
355	4/1/2019	13:12:59	0.2	0.2	0.2	0.2
356	4/1/2019	13:13:59	0.2	0.2	0.2	0.2
357	4/1/2019	13:14:59	0.2	0.3	0.4	0.3
358	4/1/2019	13:15:59	0.2	0.2	0.3	0.2
359	4/1/2019	13:16:59	0.2	0.2	0.3	0.2
360	4/1/2019	13:17:59	0.2	0.2	0.2	0.2
361	4/1/2019	13:18:59	0.2	0.3	0.3	0.2
362	4/1/2019	13:19:59	0.2	0.2	0.2	0.2
363	4/1/2019	13:20:59	0.2	0.3	0.4	0.3
364	4/1/2019	13:21:59	0.2	0.3	0.3	0.2
365	4/1/2019	13:22:59	0.2	0.2	0.3	0.2
366	4/1/2019	13:23:59	0.2	0.2	0.2	0.2
367	4/1/2019	13:24:59	0.2	0.2	0.3	0.2
368	4/1/2019	13:25:59	0.2	0.2	0.2	0.2
369	4/1/2019	13:26:59	0.2	0.2	0.2	0.2
370	4/1/2019	13:27:59	0.2	0.2	0.2	0.2
371	4/1/2019	13:28:59	0.2	0.2	0.3	0.2
372	4/1/2019	13:29:59	0.2	0.2	0.2	0.2
373	4/1/2019	13:30:59	0.2	0.2	0.2	0.2
374	4/1/2019	13:31:59	0.2	0.2	0.3	0.2
375	4/1/2019	13:32:59	0.2	0.2	0.3	0.2

376	4/1/2019	13:33:59	0.2	0.2	0.3	0.2
377	4/1/2019	13:34:59	0.2	0.2	0.2	0.2
378	4/1/2019	13:35:59	0.2	0.2	0.3	0.2
379	4/1/2019	13:36:59	0.2	0.2	0.2	0.2
380	4/1/2019	13:37:59	0.2	0.2	0.2	0.2
381	4/1/2019	13:38:59	0.2	0.2	0.2	0.2
382	4/1/2019	13:39:59	0.2	0.2	0.3	0.3
383	4/1/2019	13:40:59	0.2	0.2	0.3	0.2
384	4/1/2019	13:41:59	0.2	0.2	0.2	0.2
385	4/1/2019	13:42:59	0.2	0.2	0.3	0.2
386	4/1/2019	13:43:59	0.2	0.2	0.3	0.2
387	4/1/2019	13:44:59	0.2	0.2	0.2	0.2
388	4/1/2019	13:45:59	0.2	0.2	0.2	0.2
389	4/1/2019	13:46:59	0.2	0.2	0.2	0.2
390	4/1/2019	13:47:59	0.2	0.2	0.2	0.2
391	4/1/2019	13:48:59	0.2	0.2	0.3	0.3
392	4/1/2019	13:49:59	0.2	0.2	0.2	0.2
393	4/1/2019	13:50:59	0.2	0.3	0.3	0.2
394	4/1/2019	13:51:59	0.2	0.3	0.3	0.2
395	4/1/2019	13:52:59	0.2	0.3	0.4	0.3
396	4/1/2019	13:53:59	0.2	0.3	0.4	0.4
397	4/1/2019	13:54:59	0.2	0.3	0.4	0.4
398	4/1/2019	13:55:59	0.2	0.3	0.4	0.2
399	4/1/2019	13:56:59	0.2	0.2	0.3	0.2
400	4/1/2019	13:57:59	0.2	0.2	0.2	0.2
401	4/1/2019	13:58:59	0.2	0.2	0.2	0.2
402	4/1/2019	13:59:59	0.2	0.2	0.3	0.2
403	4/1/2019	14:00:59	0.2	0.2	0.4	0.2
404	4/1/2019	14:01:59	0.2	0.2	0.2	0.2
405	4/1/2019	14:02:59	0.2	0.2	0.2	0.2
406	4/1/2019	14:03:59	0.2	0.3	0.4	0.2
407	4/1/2019	14:04:59	0.2	0.3	0.4	0.3
408	4/1/2019	14:05:59	0.2	0.3	0.6	0.2
409	4/1/2019	14:06:59	0.2	0.2	0.3	0.2
410	4/1/2019	14:07:59	0.2	0.2	0.3	0.2
411	4/1/2019	14:08:59	0.2	0.3	0.3	0.2
412	4/1/2019	14:09:59	0.2	0.2	0.2	0.2
413	4/1/2019	14:10:59	0.2	0.2	0.3	0.2
414	4/1/2019	14:11:59	0.2	0.2	0.2	0.2
415	4/1/2019	14:12:59	0.2	0.2	0.2	0.2
416	4/1/2019	14:13:59	0.2	0.2	0.2	0.2
417	4/1/2019	14:14:59	0.2	0.2	0.2	0.2
418	4/1/2019	14:15:59	0.2	0.3	0.4	0.4
419	4/1/2019	14:16:59	0.2	0.3	0.4	0.3
420	4/1/2019	14:17:59	0.2	0.3	0.4	0.2
421	4/1/2019	14:18:59	0.2	0.2	0.3	0.2
422	4/1/2019	14:19:59	0.2	0.3	0.3	0.3
423	4/1/2019	14:20:59	0.2	0.3	0.3	0.2
424	4/1/2019	14:21:59	0.2	0.3	0.5	0.3
425	4/1/2019	14:22:59	0.2	0.3	0.4	0.3
426	4/1/2019	14:23:59	0.2	0.2	0.3	0.2
427	4/1/2019	14:24:59	0.2	0.2	0.3	0.2
428	4/1/2019	14:25:59	0.2	0.2	0.2	0.2
429	4/1/2019	14:26:59	0.2	0.2	0.3	0.2
430	4/1/2019	14:27:59	0.2	0.2	0.3	0.2
431	4/1/2019	14:28:59	0.2	0.2	0.3	0.2
432	4/1/2019	14:29:59	0.2	0.2	0.2	0.2

433	4/1/2019	14:30:59	0.2	0.2	0.2	0.2
434	4/1/2019	14:31:59	0.2	0.2	0.3	0.2
435	4/1/2019	14:32:59	0.2	0.2	0.2	0.2
436	4/1/2019	14:33:59	0.2	0.2	0.3	0.2
437	4/1/2019	14:34:59	0.2	0.2	0.3	0.2
438	4/1/2019	14:35:59	0.2	0.2	0.3	0.3
439	4/1/2019	14:36:59	0.2	0.2	0.3	0.2
440	4/1/2019	14:37:59	0.2	0.2	0.4	0.2
441	4/1/2019	14:38:59	0.2	0.2	0.3	0.2
442	4/1/2019	14:39:59	0.2	0.2	0.2	0.2
443	4/1/2019	14:40:59	0.2	0.2	0.2	0.2
444	4/1/2019	14:41:59	0.2	0.2	0.2	0.2
445	4/1/2019	14:42:59	0.2	0.2	0.2	0.2
446	4/1/2019	14:43:59	0.2	0.2	0.3	0.2
Peak			0.8	2.6	12.9	4.5
Min			0.0	0.0	0.0	0.0
Average			0.2	0.4	0.9	0.4

****

TWA/STEL

Index	PID(ppm) Date/Time		PID(ppm) (TWA)	(STEL)
001	4/1/2019	07:18:59	0.0	---
002	4/1/2019	07:19:59	0.0	---
003	4/1/2019	07:20:59	0.0	---
004	4/1/2019	07:21:59	0.0	---
005	4/1/2019	07:22:59	0.0	---
006	4/1/2019	07:23:59	0.0	---
007	4/1/2019	07:24:59	0.0	---
008	4/1/2019	07:25:59	0.0	---
009	4/1/2019	07:26:59	0.0	---
010	4/1/2019	07:27:59	0.0	---
011	4/1/2019	07:28:59	0.0	---
012	4/1/2019	07:29:59	0.0	---
013	4/1/2019	07:30:59	0.0	---
014	4/1/2019	07:31:59	0.0	---
015	4/1/2019	07:32:59	0.0	0.0
016	4/1/2019	07:33:59	0.0	0.0
017	4/1/2019	07:34:59	0.0	0.1
018	4/1/2019	07:35:59	0.0	0.1
019	4/1/2019	07:36:59	0.0	0.1
020	4/1/2019	07:37:59	0.0	0.1
021	4/1/2019	07:38:59	0.0	0.1
022	4/1/2019	07:39:59	0.0	0.1
023	4/1/2019	07:40:59	0.0	0.1
024	4/1/2019	07:41:59	0.0	0.1
025	4/1/2019	07:42:59	0.0	0.1
026	4/1/2019	07:43:59	0.0	0.1
027	4/1/2019	07:44:59	0.0	0.1
028	4/1/2019	07:45:59	0.0	0.1
029	4/1/2019	07:46:59	0.0	0.2
030	4/1/2019	07:47:59	0.0	0.3
031	4/1/2019	07:48:59	0.0	0.3
032	4/1/2019	07:49:59	0.0	0.3
033	4/1/2019	07:50:59	0.0	0.4
034	4/1/2019	07:51:59	0.0	0.4
035	4/1/2019	07:52:59	0.0	0.6

036	4/1/2019 07:53:59	0.0	0.6
037	4/1/2019 07:54:59	0.0	0.7
038	4/1/2019 07:55:59	0.0	0.8
039	4/1/2019 07:56:59	0.0	0.8
040	4/1/2019 07:57:59	0.0	0.8
041	4/1/2019 07:58:59	0.0	0.8
042	4/1/2019 07:59:59	0.0	0.9
043	4/1/2019 08:00:59	0.0	0.9
044	4/1/2019 08:01:59	0.0	0.9
045	4/1/2019 08:02:59	0.0	0.9
046	4/1/2019 08:03:59	0.0	0.8
047	4/1/2019 08:04:59	0.0	0.9
048	4/1/2019 08:05:59	0.0	0.9
049	4/1/2019 08:06:59	0.0	0.8
050	4/1/2019 08:07:59	0.0	0.7
051	4/1/2019 08:08:59	0.0	0.5
052	4/1/2019 08:09:59	0.0	0.5
053	4/1/2019 08:10:59	0.0	0.5
054	4/1/2019 08:11:59	0.0	0.4
055	4/1/2019 08:12:59	0.0	0.4
056	4/1/2019 08:13:59	0.0	0.3
057	4/1/2019 08:14:59	0.0	0.3
058	4/1/2019 08:15:59	0.0	0.4
059	4/1/2019 08:16:59	0.0	0.3
060	4/1/2019 08:17:59	0.0	0.3
061	4/1/2019 08:18:59	0.0	0.3
062	4/1/2019 08:19:59	0.0	0.3
063	4/1/2019 08:20:59	0.1	0.5
064	4/1/2019 08:21:59	0.1	0.5
065	4/1/2019 08:22:59	0.1	0.5
066	4/1/2019 08:23:59	0.1	0.6
067	4/1/2019 08:24:59	0.1	0.6
068	4/1/2019 08:25:59	0.1	0.7
069	4/1/2019 08:26:59	0.1	0.7
070	4/1/2019 08:27:59	0.1	0.7
071	4/1/2019 08:28:59	0.1	0.7
072	4/1/2019 08:29:59	0.1	0.8
073	4/1/2019 08:30:59	0.1	0.8
074	4/1/2019 08:31:59	0.1	0.8
075	4/1/2019 08:32:59	0.1	0.8
076	4/1/2019 08:33:59	0.1	0.8
077	4/1/2019 08:34:59	0.1	0.9
078	4/1/2019 08:35:59	0.1	1.1
079	4/1/2019 08:36:59	0.1	0.8
080	4/1/2019 08:37:59	0.1	0.8
081	4/1/2019 08:38:59	0.1	0.8
082	4/1/2019 08:39:59	0.1	0.9
083	4/1/2019 08:40:59	0.1	0.8
084	4/1/2019 08:41:59	0.1	0.8
085	4/1/2019 08:42:59	0.1	0.8
086	4/1/2019 08:43:59	0.1	0.8
087	4/1/2019 08:44:59	0.1	0.8
088	4/1/2019 08:45:59	0.1	0.8
089	4/1/2019 08:46:59	0.1	0.8
090	4/1/2019 08:47:59	0.1	0.7
091	4/1/2019 08:48:59	0.1	0.7
092	4/1/2019 08:49:59	0.1	0.7

093	4/1/2019 08:50:59	0.1	0.6
094	4/1/2019 08:51:59	0.1	0.5
095	4/1/2019 08:52:59	0.1	0.5
096	4/1/2019 08:53:59	0.1	0.4
097	4/1/2019 08:54:59	0.1	0.4
098	4/1/2019 08:55:59	0.1	0.4
099	4/1/2019 08:56:59	0.1	0.4
100	4/1/2019 08:57:59	0.1	0.4
101	4/1/2019 08:58:59	0.1	0.5
102	4/1/2019 08:59:59	0.1	0.6
103	4/1/2019 09:00:59	0.1	0.6
104	4/1/2019 09:01:59	0.1	0.7
105	4/1/2019 09:02:59	0.1	0.7
106	4/1/2019 09:03:59	0.1	0.7
107	4/1/2019 09:04:59	0.1	0.7
108	4/1/2019 09:05:59	0.1	0.7
109	4/1/2019 09:06:59	0.1	0.7
110	4/1/2019 09:07:59	0.1	0.7
111	4/1/2019 09:08:59	0.1	0.7
112	4/1/2019 09:09:59	0.1	0.7
113	4/1/2019 09:10:59	0.1	0.7
114	4/1/2019 09:11:59	0.1	0.7
115	4/1/2019 09:12:59	0.1	0.7
116	4/1/2019 09:13:59	0.1	0.7
117	4/1/2019 09:14:59	0.1	0.6
118	4/1/2019 09:15:59	0.1	0.5
119	4/1/2019 09:16:59	0.1	0.5
120	4/1/2019 09:17:59	0.1	0.4
121	4/1/2019 09:18:59	0.1	0.4
122	4/1/2019 09:19:59	0.1	0.4
123	4/1/2019 09:20:59	0.1	0.4
124	4/1/2019 09:21:59	0.1	0.5
125	4/1/2019 09:22:59	0.1	0.5
126	4/1/2019 09:23:59	0.1	0.5
127	4/1/2019 09:24:59	0.1	0.5
128	4/1/2019 09:25:59	0.1	0.5
129	4/1/2019 09:26:59	0.1	0.4
130	4/1/2019 09:27:59	0.1	0.4
131	4/1/2019 09:28:59	0.1	0.4
132	4/1/2019 09:29:59	0.1	0.4
133	4/1/2019 09:30:59	0.1	0.4
134	4/1/2019 09:31:59	0.1	0.4
135	4/1/2019 09:32:59	0.1	0.4
136	4/1/2019 09:33:59	0.1	0.4
137	4/1/2019 09:34:59	0.1	0.4
138	4/1/2019 09:35:59	0.1	0.4
139	4/1/2019 09:36:59	0.1	0.4
140	4/1/2019 09:37:59	0.1	0.3
141	4/1/2019 09:38:59	0.1	0.3
142	4/1/2019 09:39:59	0.1	0.3
143	4/1/2019 09:40:59	0.1	0.5
144	4/1/2019 09:41:59	0.1	0.5
145	4/1/2019 09:42:59	0.1	0.5
146	4/1/2019 09:43:59	0.1	0.6
147	4/1/2019 09:44:59	0.2	0.8
148	4/1/2019 09:45:59	0.2	0.8
149	4/1/2019 09:46:59	0.2	0.8

150	4/1/2019 09:47:59	0.2	0.8
151	4/1/2019 09:48:59	0.2	0.8
152	4/1/2019 09:49:59	0.2	0.9
153	4/1/2019 09:50:59	0.2	0.9
154	4/1/2019 09:51:59	0.2	1.1
155	4/1/2019 09:52:59	0.2	1.1
156	4/1/2019 09:53:59	0.2	1.1
157	4/1/2019 09:54:59	0.2	1.1
158	4/1/2019 09:55:59	0.2	1.2
159	4/1/2019 09:56:59	0.2	1.0
160	4/1/2019 09:57:59	0.2	1.0
161	4/1/2019 09:58:59	0.2	1.0
162	4/1/2019 09:59:59	0.2	1.0
163	4/1/2019 10:00:59	0.2	0.8
164	4/1/2019 10:01:59	0.2	0.8
165	4/1/2019 10:02:59	0.2	0.8
166	4/1/2019 10:03:59	0.2	0.8
167	4/1/2019 10:04:59	0.2	0.8
168	4/1/2019 10:05:59	0.2	0.7
169	4/1/2019 10:06:59	0.2	0.7
170	4/1/2019 10:07:59	0.2	0.5
171	4/1/2019 10:08:59	0.2	0.6
172	4/1/2019 10:09:59	0.2	0.6
173	4/1/2019 10:10:59	0.2	0.6
174	4/1/2019 10:11:59	0.2	0.5
175	4/1/2019 10:12:59	0.2	0.5
176	4/1/2019 10:13:59	0.2	0.5
177	4/1/2019 10:14:59	0.2	0.5
178	4/1/2019 10:15:59	0.2	0.5
179	4/1/2019 10:16:59	0.2	0.5
180	4/1/2019 10:17:59	0.2	0.5
181	4/1/2019 10:18:59	0.2	0.6
182	4/1/2019 10:19:59	0.2	0.6
183	4/1/2019 10:20:59	0.2	0.6
184	4/1/2019 10:21:59	0.2	0.6
185	4/1/2019 10:22:59	0.2	0.6
186	4/1/2019 10:23:59	0.2	0.6
187	4/1/2019 10:24:59	0.2	0.5
188	4/1/2019 10:25:59	0.2	0.5
189	4/1/2019 10:26:59	0.2	0.5
190	4/1/2019 10:27:59	0.2	0.5
191	4/1/2019 10:28:59	0.2	0.5
192	4/1/2019 10:29:59	0.2	0.5
193	4/1/2019 10:30:59	0.2	0.5
194	4/1/2019 10:31:59	0.2	0.5
195	4/1/2019 10:32:59	0.2	0.5
196	4/1/2019 10:33:59	0.2	0.5
197	4/1/2019 10:34:59	0.2	0.4
198	4/1/2019 10:35:59	0.2	0.4
199	4/1/2019 10:36:59	0.2	0.4
200	4/1/2019 10:37:59	0.2	0.4
201	4/1/2019 10:38:59	0.2	0.5
202	4/1/2019 10:39:59	0.2	0.5
203	4/1/2019 10:40:59	0.2	0.5
204	4/1/2019 10:41:59	0.2	0.5
205	4/1/2019 10:42:59	0.2	0.5
206	4/1/2019 10:43:59	0.2	0.5

207	4/1/2019 10:44:59	0.2	0.5
208	4/1/2019 10:45:59	0.2	0.4
209	4/1/2019 10:46:59	0.2	0.4
210	4/1/2019 10:47:59	0.2	0.4
211	4/1/2019 10:48:59	0.2	0.4
212	4/1/2019 10:49:59	0.2	0.4
213	4/1/2019 10:50:59	0.2	0.4
214	4/1/2019 10:51:59	0.2	0.4
215	4/1/2019 10:52:59	0.2	0.4
216	4/1/2019 10:53:59	0.2	0.4
217	4/1/2019 10:54:59	0.2	0.4
218	4/1/2019 10:55:59	0.2	0.4
219	4/1/2019 10:56:59	0.2	0.4
220	4/1/2019 10:57:59	0.2	0.4
221	4/1/2019 10:58:59	0.2	0.4
222	4/1/2019 10:59:59	0.2	0.4
223	4/1/2019 11:00:59	0.2	0.4
224	4/1/2019 11:01:59	0.2	0.4
225	4/1/2019 11:02:59	0.2	0.4
226	4/1/2019 11:03:59	0.2	0.4
227	4/1/2019 11:04:59	0.2	0.4
228	4/1/2019 11:05:59	0.2	0.3
229	4/1/2019 11:06:59	0.2	0.3
230	4/1/2019 11:07:59	0.2	0.3
231	4/1/2019 11:08:59	0.2	0.3
232	4/1/2019 11:09:59	0.2	0.3
233	4/1/2019 11:10:59	0.2	0.3
234	4/1/2019 11:11:59	0.2	0.3
235	4/1/2019 11:12:59	0.2	0.3
236	4/1/2019 11:13:59	0.2	0.3
237	4/1/2019 11:14:59	0.2	0.3
238	4/1/2019 11:15:59	0.2	0.3
239	4/1/2019 11:16:59	0.2	0.3
240	4/1/2019 11:17:59	0.2	0.3
241	4/1/2019 11:18:59	0.2	0.3
242	4/1/2019 11:19:59	0.2	0.3
243	4/1/2019 11:20:59	0.2	0.3
244	4/1/2019 11:21:59	0.2	0.3
245	4/1/2019 11:22:59	0.2	0.3
246	4/1/2019 11:23:59	0.2	0.3
247	4/1/2019 11:24:59	0.2	0.4
248	4/1/2019 11:25:59	0.3	0.4
249	4/1/2019 11:26:59	0.3	0.4
250	4/1/2019 11:27:59	0.3	0.4
251	4/1/2019 11:28:59	0.3	0.4
252	4/1/2019 11:29:59	0.3	0.3
253	4/1/2019 11:30:59	0.3	0.3
254	4/1/2019 11:31:59	0.3	0.4
255	4/1/2019 11:32:59	0.3	0.4
256	4/1/2019 11:33:59	0.3	0.4
257	4/1/2019 11:34:59	0.3	0.4
258	4/1/2019 11:35:59	0.3	0.4
259	4/1/2019 11:36:59	0.3	0.4
260	4/1/2019 11:37:59	0.3	0.4
261	4/1/2019 11:38:59	0.3	0.4
262	4/1/2019 11:39:59	0.3	0.4
263	4/1/2019 11:40:59	0.3	0.4

264	4/1/2019	11:41:59	0.3	0.4
265	4/1/2019	11:42:59	0.3	0.4
266	4/1/2019	11:43:59	0.3	0.4
267	4/1/2019	11:44:59	0.3	0.4
268	4/1/2019	11:45:59	0.3	0.4
269	4/1/2019	11:46:59	0.3	0.4
270	4/1/2019	11:47:59	0.3	0.3
271	4/1/2019	11:48:59	0.3	0.3
272	4/1/2019	11:49:59	0.3	0.3
273	4/1/2019	11:50:59	0.3	0.3
274	4/1/2019	11:51:59	0.3	0.3
275	4/1/2019	11:52:59	0.3	0.3
276	4/1/2019	11:53:59	0.3	0.3
277	4/1/2019	11:54:59	0.3	0.3
278	4/1/2019	11:55:59	0.3	0.3
279	4/1/2019	11:56:59	0.3	0.3
280	4/1/2019	11:57:59	0.3	0.3
281	4/1/2019	11:58:59	0.3	0.3
282	4/1/2019	11:59:59	0.3	0.3
283	4/1/2019	12:00:59	0.3	0.3
284	4/1/2019	12:01:59	0.3	0.3
285	4/1/2019	12:02:59	0.3	0.3
286	4/1/2019	12:03:59	0.3	0.3
287	4/1/2019	12:04:59	0.3	0.3
288	4/1/2019	12:05:59	0.3	0.3
289	4/1/2019	12:06:59	0.3	0.3
290	4/1/2019	12:07:59	0.3	0.3
291	4/1/2019	12:08:59	0.3	0.3
292	4/1/2019	12:09:59	0.3	0.3
293	4/1/2019	12:10:59	0.3	0.3
294	4/1/2019	12:11:59	0.3	0.3
295	4/1/2019	12:12:59	0.3	0.3
296	4/1/2019	12:13:59	0.3	0.3
297	4/1/2019	12:14:59	0.3	0.3
298	4/1/2019	12:15:59	0.3	0.3
299	4/1/2019	12:16:59	0.3	0.3
300	4/1/2019	12:17:59	0.3	0.3
301	4/1/2019	12:18:59	0.3	0.3
302	4/1/2019	12:19:59	0.3	0.3
303	4/1/2019	12:20:59	0.3	0.3
304	4/1/2019	12:21:59	0.3	0.3
305	4/1/2019	12:22:59	0.3	0.3
306	4/1/2019	12:23:59	0.3	0.3
307	4/1/2019	12:24:59	0.3	0.3
308	4/1/2019	12:25:59	0.3	0.3
309	4/1/2019	12:26:59	0.3	0.3
310	4/1/2019	12:27:59	0.3	0.3
311	4/1/2019	12:28:59	0.3	0.3
312	4/1/2019	12:29:59	0.3	0.3
313	4/1/2019	12:30:59	0.3	0.3
314	4/1/2019	12:31:59	0.3	0.3
315	4/1/2019	12:32:59	0.3	0.3
316	4/1/2019	12:33:59	0.3	0.3
317	4/1/2019	12:34:59	0.3	0.3
318	4/1/2019	12:35:59	0.3	0.3
319	4/1/2019	12:36:59	0.3	0.3
320	4/1/2019	12:37:59	0.3	0.3

321	4/1/2019 12:38:59	0.3	0.3
322	4/1/2019 12:39:59	0.3	0.3
323	4/1/2019 12:40:59	0.3	0.3
324	4/1/2019 12:41:59	0.3	0.3
325	4/1/2019 12:42:59	0.3	0.3
326	4/1/2019 12:43:59	0.3	0.3
327	4/1/2019 12:44:59	0.3	0.3
328	4/1/2019 12:45:59	0.3	0.3
329	4/1/2019 12:46:59	0.3	0.3
330	4/1/2019 12:47:59	0.3	0.3
331	4/1/2019 12:48:59	0.3	0.3
332	4/1/2019 12:49:59	0.3	0.2
333	4/1/2019 12:50:59	0.3	0.2
334	4/1/2019 12:51:59	0.3	0.3
335	4/1/2019 12:52:59	0.3	0.3
336	4/1/2019 12:53:59	0.3	0.3
337	4/1/2019 12:54:59	0.3	0.3
338	4/1/2019 12:55:59	0.3	0.3
339	4/1/2019 12:56:59	0.3	0.2
340	4/1/2019 12:57:59	0.3	0.2
341	4/1/2019 12:58:59	0.3	0.2
342	4/1/2019 12:59:59	0.3	0.2
343	4/1/2019 13:00:59	0.3	0.2
344	4/1/2019 13:01:59	0.3	0.2
345	4/1/2019 13:02:59	0.3	0.2
346	4/1/2019 13:03:59	0.3	0.2
347	4/1/2019 13:04:59	0.3	0.2
348	4/1/2019 13:05:59	0.3	0.2
349	4/1/2019 13:06:59	0.3	0.2
350	4/1/2019 13:07:59	0.3	0.2
351	4/1/2019 13:08:59	0.3	0.2
352	4/1/2019 13:09:59	0.3	0.2
353	4/1/2019 13:10:59	0.3	0.2
354	4/1/2019 13:11:59	0.3	0.2
355	4/1/2019 13:12:59	0.3	0.2
356	4/1/2019 13:13:59	0.3	0.2
357	4/1/2019 13:14:59	0.3	0.2
358	4/1/2019 13:15:59	0.3	0.2
359	4/1/2019 13:16:59	0.3	0.2
360	4/1/2019 13:17:59	0.3	0.2
361	4/1/2019 13:18:59	0.3	0.2
362	4/1/2019 13:19:59	0.3	0.2
363	4/1/2019 13:20:59	0.3	0.2
364	4/1/2019 13:21:59	0.3	0.2
365	4/1/2019 13:22:59	0.3	0.2
366	4/1/2019 13:23:59	0.3	0.2
367	4/1/2019 13:24:59	0.3	0.2
368	4/1/2019 13:25:59	0.3	0.2
369	4/1/2019 13:26:59	0.3	0.2
370	4/1/2019 13:27:59	0.3	0.2
371	4/1/2019 13:28:59	0.3	0.2
372	4/1/2019 13:29:59	0.3	0.2
373	4/1/2019 13:30:59	0.3	0.2
374	4/1/2019 13:31:59	0.3	0.2
375	4/1/2019 13:32:59	0.3	0.2
376	4/1/2019 13:33:59	0.3	0.2
377	4/1/2019 13:34:59	0.3	0.2

378	4/1/2019 13:35:59	0.3	0.2
379	4/1/2019 13:36:59	0.3	0.2
380	4/1/2019 13:37:59	0.3	0.2
381	4/1/2019 13:38:59	0.3	0.2
382	4/1/2019 13:39:59	0.3	0.2
383	4/1/2019 13:40:59	0.3	0.2
384	4/1/2019 13:41:59	0.3	0.2
385	4/1/2019 13:42:59	0.3	0.2
386	4/1/2019 13:43:59	0.3	0.2
387	4/1/2019 13:44:59	0.3	0.2
388	4/1/2019 13:45:59	0.3	0.2
389	4/1/2019 13:46:59	0.3	0.2
390	4/1/2019 13:47:59	0.3	0.2
391	4/1/2019 13:48:59	0.3	0.2
392	4/1/2019 13:49:59	0.3	0.2
393	4/1/2019 13:50:59	0.3	0.2
394	4/1/2019 13:51:59	0.3	0.2
395	4/1/2019 13:52:59	0.3	0.2
396	4/1/2019 13:53:59	0.3	0.2
397	4/1/2019 13:54:59	0.3	0.3
398	4/1/2019 13:55:59	0.3	0.3
399	4/1/2019 13:56:59	0.3	0.3
400	4/1/2019 13:57:59	0.3	0.3
401	4/1/2019 13:58:59	0.3	0.3
402	4/1/2019 13:59:59	0.3	0.3
403	4/1/2019 14:00:59	0.3	0.3
404	4/1/2019 14:01:59	0.3	0.3
405	4/1/2019 14:02:59	0.3	0.3
406	4/1/2019 14:03:59	0.3	0.3
407	4/1/2019 14:04:59	0.3	0.3
408	4/1/2019 14:05:59	0.3	0.3
409	4/1/2019 14:06:59	0.3	0.3
410	4/1/2019 14:07:59	0.3	0.3
411	4/1/2019 14:08:59	0.3	0.2
412	4/1/2019 14:09:59	0.3	0.2
413	4/1/2019 14:10:59	0.3	0.2
414	4/1/2019 14:11:59	0.3	0.2
415	4/1/2019 14:12:59	0.3	0.2
416	4/1/2019 14:13:59	0.3	0.2
417	4/1/2019 14:14:59	0.3	0.2
418	4/1/2019 14:15:59	0.3	0.2
419	4/1/2019 14:16:59	0.3	0.2
420	4/1/2019 14:17:59	0.3	0.2
421	4/1/2019 14:18:59	0.3	0.2
422	4/1/2019 14:19:59	0.3	0.2
423	4/1/2019 14:20:59	0.3	0.2
424	4/1/2019 14:21:59	0.3	0.2
425	4/1/2019 14:22:59	0.3	0.3
426	4/1/2019 14:23:59	0.3	0.3
427	4/1/2019 14:24:59	0.3	0.3
428	4/1/2019 14:25:59	0.3	0.3
429	4/1/2019 14:26:59	0.3	0.3
430	4/1/2019 14:27:59	0.3	0.3
431	4/1/2019 14:28:59	0.3	0.3
432	4/1/2019 14:29:59	0.3	0.3
433	4/1/2019 14:30:59	0.3	0.3
434	4/1/2019 14:31:59	0.3	0.2

435	4/1/2019 14:32:59	0.3	0.2		
436	4/1/2019 14:33:59	0.3	0.2		
437	4/1/2019 14:34:59	0.4	0.2		
438	4/1/2019 14:35:59	0.4	0.2		
439	4/1/2019 14:36:59	0.4	0.2		
440	4/1/2019 14:37:59	0.4	0.2		
441	4/1/2019 14:38:59	0.4	0.2		
442	4/1/2019 14:39:59	0.4	0.2		
443	4/1/2019 14:40:59	0.4	0.2		
444	4/1/2019 14:41:59	0.4	0.2		
445	4/1/2019 14:42:59	0.4	0.2		
446	4/1/2019 14:43:59	0.4	0.2		

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19/04/02 08:30

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910551
Unit Firmware Ver	V2.16

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

Site ID	00000037
User ID	00000001

Begin	4/2/2019 08:30:59
End	4/2/2019 14:00:19
Sample Period(s)	60
Number of Records	329

Sensor	PID(ppm)
Sensor SN	S023030476Q4
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	50.0
TWA Alarm	10.0
Measurement Gas	Isobutylene
Calibration Time	4/1/2019 07:10
Peak	0.2
Min	0.1
Average	0.2

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Datalog

Index		PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/2/2019 08:31:59	0.1	0.1	0.2	0.1
002	4/2/2019 08:32:59	0.1	0.1	0.1	0.1
003	4/2/2019 08:33:59	0.1	0.1	0.1	0.1

004	4/2/2019 08:34:59	0.1	0.1	0.1	0.1
005	4/2/2019 08:35:59	0.1	0.1	0.2	0.1
006	4/2/2019 08:36:59	0.1	0.1	0.1	0.1
007	4/2/2019 08:37:59	0.1	0.1	0.1	0.1
008	4/2/2019 08:38:59	0.1	0.1	0.4	0.2
009	4/2/2019 08:39:59	0.1	0.2	0.2	0.2
010	4/2/2019 08:40:59	0.1	0.1	0.2	0.1
011	4/2/2019 08:41:59	0.1	0.1	0.1	0.1
012	4/2/2019 08:42:59	0.1	0.1	0.2	0.1
013	4/2/2019 08:43:59	0.1	0.1	0.2	0.1
014	4/2/2019 08:44:59	0.1	0.1	0.2	0.1
015	4/2/2019 08:45:59	0.1	0.1	0.1	0.1
016	4/2/2019 08:46:59	0.1	0.2	0.2	0.1
017	4/2/2019 08:47:59	0.1	0.1	0.2	0.1
018	4/2/2019 08:48:59	0.1	0.1	0.2	0.1
019	4/2/2019 08:49:59	0.1	0.1	0.2	0.1
020	4/2/2019 08:50:59	0.1	0.1	0.1	0.1
021	4/2/2019 08:51:59	0.1	0.1	0.2	0.1
022	4/2/2019 08:52:59	0.1	0.2	0.2	0.2
023	4/2/2019 08:53:59	0.1	0.1	0.2	0.1
024	4/2/2019 08:54:59	0.1	0.2	0.2	0.1
025	4/2/2019 08:55:59	0.1	0.1	0.2	0.2
026	4/2/2019 08:56:59	0.1	0.2	0.2	0.1
027	4/2/2019 08:57:59	0.2	0.2	0.2	0.2
028	4/2/2019 08:58:59	0.1	0.2	0.2	0.1
029	4/2/2019 08:59:59	0.2	0.2	0.3	0.2
030	4/2/2019 09:00:59	0.1	0.2	0.2	0.2
031	4/2/2019 09:01:59	0.1	0.2	0.2	0.2
032	4/2/2019 09:02:59	0.1	0.2	0.2	0.2
033	4/2/2019 09:03:59	0.2	0.2	0.2	0.2
034	4/2/2019 09:04:59	0.2	0.2	0.3	0.2
035	4/2/2019 09:05:59	0.1	0.2	0.2	0.2
036	4/2/2019 09:06:59	0.1	0.2	0.2	0.2
037	4/2/2019 09:07:59	0.2	0.2	0.2	0.2
038	4/2/2019 09:08:59	0.1	0.2	0.2	0.2
039	4/2/2019 09:09:59	0.1	0.2	0.2	0.2
040	4/2/2019 09:10:59	0.2	0.2	0.2	0.2
041	4/2/2019 09:11:59	0.2	0.2	0.2	0.2
042	4/2/2019 09:12:59	0.1	0.2	0.2	0.2
043	4/2/2019 09:13:59	0.2	0.2	0.2	0.2
044	4/2/2019 09:14:59	0.2	0.2	0.2	0.2
045	4/2/2019 09:15:59	0.2	0.2	0.2	0.2
046	4/2/2019 09:16:59	0.2	0.2	0.2	0.2
047	4/2/2019 09:17:59	0.2	0.2	0.2	0.2
048	4/2/2019 09:18:59	0.2	0.2	0.2	0.2
049	4/2/2019 09:19:59	0.2	0.2	0.2	0.2
050	4/2/2019 09:20:59	0.2	0.2	0.2	0.2
051	4/2/2019 09:21:59	0.2	0.2	0.2	0.2
052	4/2/2019 09:22:59	0.2	0.2	0.2	0.2
053	4/2/2019 09:23:59	0.2	0.2	0.2	0.2
054	4/2/2019 09:24:59	0.2	0.2	0.2	0.2
055	4/2/2019 09:25:59	0.2	0.2	0.2	0.2
056	4/2/2019 09:26:59	0.2	0.2	0.2	0.2
057	4/2/2019 09:27:59	0.2	0.2	0.2	0.2
058	4/2/2019 09:28:59	0.2	0.2	0.2	0.2
059	4/2/2019 09:29:59	0.2	0.2	0.2	0.2
060	4/2/2019 09:30:59	0.2	0.2	0.2	0.2

061	4/2/2019 09:31:59	0.2	0.2	0.2	0.2
062	4/2/2019 09:32:59	0.2	0.2	0.2	0.2
063	4/2/2019 09:33:59	0.2	0.2	0.2	0.2
064	4/2/2019 09:34:59	0.2	0.2	0.2	0.2
065	4/2/2019 09:35:59	0.2	0.2	0.2	0.2
066	4/2/2019 09:36:59	0.2	0.2	0.2	0.2
067	4/2/2019 09:37:59	0.2	0.2	0.2	0.2
068	4/2/2019 09:38:59	0.2	0.2	0.2	0.2
069	4/2/2019 09:39:59	0.2	0.2	0.2	0.2
070	4/2/2019 09:40:59	0.2	0.2	0.2	0.2
071	4/2/2019 09:41:59	0.2	0.2	0.2	0.2
072	4/2/2019 09:42:59	0.2	0.2	0.2	0.2
073	4/2/2019 09:43:59	0.2	0.2	0.2	0.2
074	4/2/2019 09:44:59	0.2	0.2	0.2	0.2
075	4/2/2019 09:45:59	0.2	0.2	0.2	0.2
076	4/2/2019 09:46:59	0.2	0.2	0.2	0.2
077	4/2/2019 09:47:59	0.2	0.2	0.2	0.2
078	4/2/2019 09:48:59	0.2	0.2	0.2	0.2
079	4/2/2019 09:49:59	0.2	0.2	0.2	0.2
080	4/2/2019 09:50:59	0.2	0.2	0.2	0.2
081	4/2/2019 09:51:59	0.2	0.2	0.2	0.2
082	4/2/2019 09:52:59	0.2	0.2	0.2	0.2
083	4/2/2019 09:53:59	0.2	0.2	0.2	0.2
084	4/2/2019 09:54:59	0.2	0.2	0.2	0.2
085	4/2/2019 09:55:59	0.2	0.2	0.2	0.2
086	4/2/2019 09:56:59	0.2	0.2	0.2	0.2
087	4/2/2019 09:57:59	0.2	0.2	0.2	0.2
088	4/2/2019 09:58:59	0.2	0.2	0.2	0.2
089	4/2/2019 09:59:59	0.2	0.2	0.2	0.2
090	4/2/2019 10:00:59	0.2	0.2	0.2	0.2
091	4/2/2019 10:01:59	0.2	0.2	0.2	0.2
092	4/2/2019 10:02:59	0.2	0.2	0.2	0.2
093	4/2/2019 10:03:59	0.2	0.2	0.2	0.2
094	4/2/2019 10:04:59	0.2	0.2	0.2	0.2
095	4/2/2019 10:05:59	0.2	0.2	0.2	0.2
096	4/2/2019 10:06:59	0.2	0.2	0.2	0.2
097	4/2/2019 10:07:59	0.2	0.2	0.2	0.2
098	4/2/2019 10:08:59	0.2	0.2	0.2	0.2
099	4/2/2019 10:09:59	0.2	0.2	0.2	0.2
100	4/2/2019 10:10:59	0.2	0.2	0.2	0.2
101	4/2/2019 10:11:59	0.2	0.2	0.2	0.2
102	4/2/2019 10:12:59	0.2	0.2	0.2	0.2
103	4/2/2019 10:13:59	0.2	0.2	0.2	0.2
104	4/2/2019 10:14:59	0.2	0.2	0.2	0.2
105	4/2/2019 10:15:59	0.2	0.2	0.2	0.2
106	4/2/2019 10:16:59	0.2	0.2	0.2	0.2
107	4/2/2019 10:17:59	0.2	0.2	0.2	0.2
108	4/2/2019 10:18:59	0.2	0.2	0.2	0.2
109	4/2/2019 10:19:59	0.2	0.2	0.2	0.2
110	4/2/2019 10:20:59	0.2	0.2	0.2	0.2
111	4/2/2019 10:21:59	0.2	0.2	0.2	0.2
112	4/2/2019 10:22:59	0.2	0.2	0.2	0.2
113	4/2/2019 10:23:59	0.2	0.2	0.2	0.2
114	4/2/2019 10:24:59	0.2	0.2	0.2	0.2
115	4/2/2019 10:25:59	0.2	0.2	0.2	0.2
116	4/2/2019 10:26:59	0.2	0.2	0.2	0.2
117	4/2/2019 10:27:59	0.2	0.2	0.2	0.2

118	4/2/2019	10:28:59	0.2	0.2	0.2	0.2
119	4/2/2019	10:29:59	0.2	0.2	0.2	0.2
120	4/2/2019	10:30:59	0.2	0.2	0.2	0.2
121	4/2/2019	10:31:59	0.2	0.2	0.2	0.2
122	4/2/2019	10:32:59	0.2	0.2	0.2	0.2
123	4/2/2019	10:33:59	0.2	0.2	0.2	0.2
124	4/2/2019	10:34:59	0.2	0.2	0.2	0.2
125	4/2/2019	10:35:59	0.2	0.2	0.2	0.2
126	4/2/2019	10:36:59	0.2	0.2	0.2	0.2
127	4/2/2019	10:37:59	0.2	0.2	0.2	0.2
128	4/2/2019	10:38:59	0.2	0.2	0.2	0.2
129	4/2/2019	10:39:59	0.2	0.2	0.2	0.2
130	4/2/2019	10:40:59	0.2	0.2	0.2	0.2
131	4/2/2019	10:41:59	0.2	0.2	0.2	0.2
132	4/2/2019	10:42:59	0.2	0.2	0.2	0.2
133	4/2/2019	10:43:59	0.2	0.2	0.2	0.2
134	4/2/2019	10:44:59	0.2	0.2	0.2	0.2
135	4/2/2019	10:45:59	0.2	0.2	0.2	0.2
136	4/2/2019	10:46:59	0.2	0.2	0.2	0.2
137	4/2/2019	10:47:59	0.2	0.2	0.2	0.2
138	4/2/2019	10:48:59	0.2	0.2	0.2	0.2
139	4/2/2019	10:49:59	0.2	0.2	0.2	0.2
140	4/2/2019	10:50:59	0.2	0.2	0.2	0.2
141	4/2/2019	10:51:59	0.2	0.2	0.2	0.2
142	4/2/2019	10:52:59	0.2	0.2	0.2	0.2
143	4/2/2019	10:53:59	0.2	0.2	0.2	0.2
144	4/2/2019	10:54:59	0.2	0.2	0.2	0.2
145	4/2/2019	10:55:59	0.2	0.2	0.2	0.2
146	4/2/2019	10:56:59	0.2	0.2	0.2	0.2
147	4/2/2019	10:57:59	0.2	0.2	0.2	0.2
148	4/2/2019	10:58:59	0.2	0.2	0.2	0.2
149	4/2/2019	10:59:59	0.2	0.2	0.2	0.2
150	4/2/2019	11:00:59	0.2	0.2	0.2	0.2
151	4/2/2019	11:01:59	0.2	0.2	0.2	0.2
152	4/2/2019	11:02:59	0.2	0.2	0.2	0.2
153	4/2/2019	11:03:59	0.2	0.2	0.2	0.2
154	4/2/2019	11:04:59	0.2	0.2	0.2	0.2
155	4/2/2019	11:05:59	0.2	0.2	0.2	0.2
156	4/2/2019	11:06:59	0.2	0.2	0.2	0.2
157	4/2/2019	11:07:59	0.2	0.2	0.2	0.2
158	4/2/2019	11:08:59	0.2	0.2	0.2	0.2
159	4/2/2019	11:09:59	0.2	0.2	0.2	0.2
160	4/2/2019	11:10:59	0.2	0.2	0.2	0.2
161	4/2/2019	11:11:59	0.2	0.2	0.2	0.2
162	4/2/2019	11:12:59	0.2	0.2	0.2	0.2
163	4/2/2019	11:13:59	0.2	0.2	0.2	0.2
164	4/2/2019	11:14:59	0.2	0.2	0.2	0.2
165	4/2/2019	11:15:59	0.2	0.2	0.2	0.2
166	4/2/2019	11:16:59	0.2	0.2	0.2	0.2
167	4/2/2019	11:17:59	0.2	0.2	0.2	0.2
168	4/2/2019	11:18:59	0.2	0.2	0.2	0.2
169	4/2/2019	11:19:59	0.2	0.2	0.2	0.2
170	4/2/2019	11:20:59	0.2	0.2	0.2	0.2
171	4/2/2019	11:21:59	0.2	0.2	0.2	0.2
172	4/2/2019	11:22:59	0.2	0.2	0.2	0.2
173	4/2/2019	11:23:59	0.2	0.2	0.2	0.2
174	4/2/2019	11:24:59	0.2	0.2	0.2	0.2

175	4/2/2019	11:25:59	0.2	0.2	0.2	0.2
176	4/2/2019	11:26:59	0.2	0.2	0.2	0.2
177	4/2/2019	11:27:59	0.2	0.2	0.2	0.2
178	4/2/2019	11:28:59	0.2	0.2	0.2	0.2
179	4/2/2019	11:29:59	0.2	0.2	0.2	0.2
180	4/2/2019	11:30:59	0.2	0.2	0.2	0.2
181	4/2/2019	11:31:59	0.2	0.2	0.2	0.2
182	4/2/2019	11:32:59	0.2	0.2	0.2	0.2
183	4/2/2019	11:33:59	0.2	0.2	0.2	0.2
184	4/2/2019	11:34:59	0.2	0.2	0.2	0.2
185	4/2/2019	11:35:59	0.2	0.2	0.2	0.2
186	4/2/2019	11:36:59	0.2	0.2	0.2	0.2
187	4/2/2019	11:37:59	0.2	0.2	0.2	0.2
188	4/2/2019	11:38:59	0.2	0.2	0.2	0.2
189	4/2/2019	11:39:59	0.2	0.2	0.2	0.2
190	4/2/2019	11:40:59	0.2	0.2	0.2	0.2
191	4/2/2019	11:41:59	0.2	0.2	0.2	0.2
192	4/2/2019	11:42:59	0.2	0.2	0.2	0.2
193	4/2/2019	11:43:59	0.2	0.2	0.2	0.2
194	4/2/2019	11:44:59	0.2	0.2	0.2	0.2
195	4/2/2019	11:45:59	0.2	0.2	0.2	0.2
196	4/2/2019	11:46:59	0.2	0.2	0.2	0.2
197	4/2/2019	11:47:59	0.2	0.2	0.2	0.2
198	4/2/2019	11:48:59	0.2	0.2	0.2	0.2
199	4/2/2019	11:49:59	0.2	0.2	0.2	0.2
200	4/2/2019	11:50:59	0.2	0.2	0.2	0.2
201	4/2/2019	11:51:59	0.2	0.2	0.2	0.2
202	4/2/2019	11:52:59	0.2	0.2	0.2	0.2
203	4/2/2019	11:53:59	0.2	0.2	0.2	0.2
204	4/2/2019	11:54:59	0.2	0.2	0.2	0.2
205	4/2/2019	11:55:59	0.2	0.2	0.2	0.2
206	4/2/2019	11:56:59	0.2	0.2	0.2	0.2
207	4/2/2019	11:57:59	0.2	0.2	0.2	0.2
208	4/2/2019	11:58:59	0.2	0.2	0.2	0.2
209	4/2/2019	11:59:59	0.2	0.2	0.2	0.2
210	4/2/2019	12:00:59	0.2	0.2	0.2	0.2
211	4/2/2019	12:01:59	0.2	0.2	0.2	0.2
212	4/2/2019	12:02:59	0.2	0.2	0.2	0.2
213	4/2/2019	12:03:59	0.2	0.2	0.2	0.2
214	4/2/2019	12:04:59	0.2	0.2	0.2	0.2
215	4/2/2019	12:05:59	0.2	0.2	0.2	0.2
216	4/2/2019	12:06:59	0.2	0.2	0.2	0.2
217	4/2/2019	12:07:59	0.2	0.2	0.2	0.2
218	4/2/2019	12:08:59	0.2	0.2	0.2	0.2
219	4/2/2019	12:09:59	0.2	0.2	0.2	0.2
220	4/2/2019	12:10:59	0.2	0.2	0.2	0.2
221	4/2/2019	12:11:59	0.2	0.2	0.2	0.2
222	4/2/2019	12:12:59	0.2	0.2	0.2	0.2
223	4/2/2019	12:13:59	0.2	0.2	0.2	0.2
224	4/2/2019	12:14:59	0.2	0.2	0.2	0.2
225	4/2/2019	12:15:59	0.2	0.2	0.2	0.2
226	4/2/2019	12:16:59	0.2	0.2	0.2	0.2
227	4/2/2019	12:17:59	0.2	0.2	0.2	0.2
228	4/2/2019	12:18:59	0.2	0.2	0.2	0.2
229	4/2/2019	12:19:59	0.2	0.2	0.2	0.2
230	4/2/2019	12:20:59	0.2	0.2	0.2	0.2
231	4/2/2019	12:21:59	0.2	0.2	0.2	0.2

232	4/2/2019	12:22:59	0.2	0.2	0.2	0.2
233	4/2/2019	12:23:59	0.2	0.2	0.2	0.2
234	4/2/2019	12:24:59	0.2	0.2	0.2	0.2
235	4/2/2019	12:25:59	0.2	0.2	0.2	0.2
236	4/2/2019	12:26:59	0.2	0.2	0.2	0.2
237	4/2/2019	12:27:59	0.2	0.2	0.2	0.2
238	4/2/2019	12:28:59	0.2	0.2	0.2	0.2
239	4/2/2019	12:29:59	0.2	0.2	0.2	0.2
240	4/2/2019	12:30:59	0.2	0.2	0.2	0.2
241	4/2/2019	12:31:59	0.2	0.2	0.2	0.2
242	4/2/2019	12:32:59	0.2	0.2	0.2	0.2
243	4/2/2019	12:33:59	0.2	0.2	0.2	0.2
244	4/2/2019	12:34:59	0.2	0.2	0.2	0.2
245	4/2/2019	12:35:59	0.2	0.2	0.2	0.2
246	4/2/2019	12:36:59	0.2	0.2	0.2	0.2
247	4/2/2019	12:37:59	0.2	0.2	0.2	0.2
248	4/2/2019	12:38:59	0.2	0.2	0.2	0.2
249	4/2/2019	12:39:59	0.2	0.2	0.2	0.2
250	4/2/2019	12:40:59	0.2	0.2	0.2	0.2
251	4/2/2019	12:41:59	0.2	0.2	0.2	0.2
252	4/2/2019	12:42:59	0.2	0.2	0.2	0.2
253	4/2/2019	12:43:59	0.2	0.2	0.2	0.2
254	4/2/2019	12:44:59	0.2	0.2	0.2	0.2
255	4/2/2019	12:45:59	0.2	0.2	0.2	0.2
256	4/2/2019	12:46:59	0.2	0.2	0.2	0.2
257	4/2/2019	12:47:59	0.2	0.2	0.2	0.2
258	4/2/2019	12:48:59	0.2	0.2	0.2	0.2
259	4/2/2019	12:49:59	0.2	0.2	0.2	0.2
260	4/2/2019	12:50:59	0.2	0.2	0.2	0.2
261	4/2/2019	12:51:59	0.2	0.2	0.2	0.2
262	4/2/2019	12:52:59	0.2	0.2	0.2	0.2
263	4/2/2019	12:53:59	0.2	0.2	0.2	0.2
264	4/2/2019	12:54:59	0.2	0.2	0.2	0.2
265	4/2/2019	12:55:59	0.2	0.2	0.2	0.2
266	4/2/2019	12:56:59	0.2	0.2	0.2	0.2
267	4/2/2019	12:57:59	0.2	0.2	0.2	0.2
268	4/2/2019	12:58:59	0.2	0.2	0.2	0.2
269	4/2/2019	12:59:59	0.2	0.2	0.2	0.2
270	4/2/2019	13:00:59	0.2	0.2	0.2	0.2
271	4/2/2019	13:01:59	0.2	0.2	0.2	0.2
272	4/2/2019	13:02:59	0.2	0.2	0.2	0.2
273	4/2/2019	13:03:59	0.2	0.2	0.2	0.2
274	4/2/2019	13:04:59	0.2	0.2	0.2	0.2
275	4/2/2019	13:05:59	0.2	0.2	0.2	0.2
276	4/2/2019	13:06:59	0.1	0.2	0.2	0.2
277	4/2/2019	13:07:59	0.2	0.2	0.2	0.2
278	4/2/2019	13:08:59	0.2	0.2	0.2	0.2
279	4/2/2019	13:09:59	0.2	0.2	0.2	0.2
280	4/2/2019	13:10:59	0.1	0.2	0.2	0.1
281	4/2/2019	13:11:59	0.1	0.1	0.2	0.1
282	4/2/2019	13:12:59	0.1	0.1	0.2	0.1
283	4/2/2019	13:13:59	0.1	0.1	0.2	0.1
284	4/2/2019	13:14:59	0.1	0.1	0.1	0.1
285	4/2/2019	13:15:59	0.1	0.1	0.2	0.1
286	4/2/2019	13:16:59	0.1	0.1	0.1	0.1
287	4/2/2019	13:17:59	0.1	0.1	0.2	0.1
288	4/2/2019	13:18:59	0.1	0.1	0.1	0.1

289	4/2/2019	13:19:59	0.1	0.2	0.2	0.2
290	4/2/2019	13:20:59	0.1	0.2	0.2	0.2
291	4/2/2019	13:21:59	0.1	0.1	0.2	0.2
292	4/2/2019	13:22:59	0.1	0.1	0.2	0.1
293	4/2/2019	13:23:59	0.1	0.1	0.2	0.1
294	4/2/2019	13:24:59	0.1	0.1	0.2	0.1
295	4/2/2019	13:25:59	0.1	0.1	0.1	0.1
296	4/2/2019	13:26:59	0.1	0.1	0.1	0.1
297	4/2/2019	13:27:59	0.1	0.1	0.1	0.1
298	4/2/2019	13:28:59	0.1	0.1	0.1	0.1
299	4/2/2019	13:29:59	0.1	0.1	0.1	0.1
300	4/2/2019	13:30:59	0.1	0.1	0.2	0.2
301	4/2/2019	13:31:59	0.1	0.2	0.2	0.2
302	4/2/2019	13:32:59	0.1	0.2	0.2	0.2
303	4/2/2019	13:33:59	0.1	0.1	0.2	0.1
304	4/2/2019	13:34:59	0.1	0.1	0.1	0.1
305	4/2/2019	13:35:59	0.1	0.1	0.1	0.1
306	4/2/2019	13:36:59	0.1	0.1	0.1	0.1
307	4/2/2019	13:37:59	0.1	0.1	0.1	0.1
308	4/2/2019	13:38:59	0.1	0.1	0.1	0.1
309	4/2/2019	13:39:59	0.1	0.1	0.1	0.1
310	4/2/2019	13:40:59	0.1	0.1	0.1	0.1
311	4/2/2019	13:41:59	0.1	0.1	0.1	0.1
312	4/2/2019	13:42:59	0.1	0.1	0.1	0.1
313	4/2/2019	13:43:59	0.1	0.1	0.1	0.1
314	4/2/2019	13:44:59	0.1	0.1	0.1	0.1
315	4/2/2019	13:45:59	0.1	0.1	0.1	0.1
316	4/2/2019	13:46:59	0.1	0.1	0.2	0.2
317	4/2/2019	13:47:59	0.1	0.1	0.2	0.1
318	4/2/2019	13:48:59	0.1	0.1	0.1	0.1
319	4/2/2019	13:49:59	0.1	0.1	0.1	0.1
320	4/2/2019	13:50:59	0.1	0.1	0.2	0.1
321	4/2/2019	13:51:59	0.1	0.1	0.1	0.1
322	4/2/2019	13:52:59	0.1	0.1	0.1	0.1
323	4/2/2019	13:53:59	0.1	0.1	0.1	0.1
324	4/2/2019	13:54:59	0.1	0.1	0.2	0.2
325	4/2/2019	13:55:59	0.1	0.2	0.3	0.1
326	4/2/2019	13:56:59	0.1	0.1	0.2	0.1
327	4/2/2019	13:57:59	0.1	0.1	0.1	0.1
328	4/2/2019	13:58:59	0.1	0.1	0.2	0.1
329	4/2/2019	13:59:59	0.1	0.1	0.2	0.1
Peak			0.2	0.2	0.4	0.2
Min			0.1	0.1	0.1	0.1
Average				0.2	0.2	0.2

****

TWA/STEL

Index	PID(ppm) Date/Time		PID(ppm) (TWA)	(STEL)
001	4/2/2019	08:31:59	0.0	---
002	4/2/2019	08:32:59	0.0	---
003	4/2/2019	08:33:59	0.0	---
004	4/2/2019	08:34:59	0.0	---
005	4/2/2019	08:35:59	0.0	---
006	4/2/2019	08:36:59	0.0	---
007	4/2/2019	08:37:59	0.0	---
008	4/2/2019	08:38:59	0.0	---

009	4/2/2019 08:39:59	0.0	---
010	4/2/2019 08:40:59	0.0	---
011	4/2/2019 08:41:59	0.0	---
012	4/2/2019 08:42:59	0.0	---
013	4/2/2019 08:43:59	0.0	---
014	4/2/2019 08:44:59	0.0	---
015	4/2/2019 08:45:59	0.0	0.1
016	4/2/2019 08:46:59	0.0	0.1
017	4/2/2019 08:47:59	0.0	0.1
018	4/2/2019 08:48:59	0.0	0.1
019	4/2/2019 08:49:59	0.0	0.1
020	4/2/2019 08:50:59	0.0	0.1
021	4/2/2019 08:51:59	0.0	0.1
022	4/2/2019 08:52:59	0.0	0.1
023	4/2/2019 08:53:59	0.0	0.1
024	4/2/2019 08:54:59	0.0	0.1
025	4/2/2019 08:55:59	0.0	0.1
026	4/2/2019 08:56:59	0.0	0.1
027	4/2/2019 08:57:59	0.0	0.1
028	4/2/2019 08:58:59	0.0	0.1
029	4/2/2019 08:59:59	0.0	0.1
030	4/2/2019 09:00:59	0.0	0.1
031	4/2/2019 09:01:59	0.0	0.1
032	4/2/2019 09:02:59	0.0	0.2
033	4/2/2019 09:03:59	0.0	0.2
034	4/2/2019 09:04:59	0.0	0.2
035	4/2/2019 09:05:59	0.0	0.2
036	4/2/2019 09:06:59	0.0	0.2
037	4/2/2019 09:07:59	0.0	0.2
038	4/2/2019 09:08:59	0.0	0.2
039	4/2/2019 09:09:59	0.0	0.2
040	4/2/2019 09:10:59	0.0	0.2
041	4/2/2019 09:11:59	0.0	0.2
042	4/2/2019 09:12:59	0.0	0.2
043	4/2/2019 09:13:59	0.0	0.2
044	4/2/2019 09:14:59	0.0	0.2
045	4/2/2019 09:15:59	0.0	0.2
046	4/2/2019 09:16:59	0.0	0.2
047	4/2/2019 09:17:59	0.0	0.2
048	4/2/2019 09:18:59	0.0	0.2
049	4/2/2019 09:19:59	0.0	0.2
050	4/2/2019 09:20:59	0.0	0.2
051	4/2/2019 09:21:59	0.0	0.2
052	4/2/2019 09:22:59	0.0	0.2
053	4/2/2019 09:23:59	0.0	0.2
054	4/2/2019 09:24:59	0.0	0.2
055	4/2/2019 09:25:59	0.0	0.2
056	4/2/2019 09:26:59	0.0	0.2
057	4/2/2019 09:27:59	0.0	0.2
058	4/2/2019 09:28:59	0.0	0.2
059	4/2/2019 09:29:59	0.0	0.2
060	4/2/2019 09:30:59	0.0	0.2
061	4/2/2019 09:31:59	0.0	0.2
062	4/2/2019 09:32:59	0.0	0.2
063	4/2/2019 09:33:59	0.0	0.2
064	4/2/2019 09:34:59	0.0	0.2
065	4/2/2019 09:35:59	0.0	0.2

066	4/2/2019 09:36:59	0.0	0.2
067	4/2/2019 09:37:59	0.0	0.2
068	4/2/2019 09:38:59	0.0	0.2
069	4/2/2019 09:39:59	0.0	0.2
070	4/2/2019 09:40:59	0.0	0.2
071	4/2/2019 09:41:59	0.0	0.2
072	4/2/2019 09:42:59	0.0	0.2
073	4/2/2019 09:43:59	0.0	0.2
074	4/2/2019 09:44:59	0.0	0.2
075	4/2/2019 09:45:59	0.0	0.2
076	4/2/2019 09:46:59	0.0	0.2
077	4/2/2019 09:47:59	0.0	0.2
078	4/2/2019 09:48:59	0.0	0.2
079	4/2/2019 09:49:59	0.0	0.2
080	4/2/2019 09:50:59	0.0	0.2
081	4/2/2019 09:51:59	0.0	0.2
082	4/2/2019 09:52:59	0.0	0.2
083	4/2/2019 09:53:59	0.0	0.2
084	4/2/2019 09:54:59	0.0	0.2
085	4/2/2019 09:55:59	0.0	0.2
086	4/2/2019 09:56:59	0.0	0.2
087	4/2/2019 09:57:59	0.0	0.2
088	4/2/2019 09:58:59	0.0	0.2
089	4/2/2019 09:59:59	0.0	0.2
090	4/2/2019 10:00:59	0.0	0.2
091	4/2/2019 10:01:59	0.0	0.2
092	4/2/2019 10:02:59	0.0	0.2
093	4/2/2019 10:03:59	0.0	0.2
094	4/2/2019 10:04:59	0.0	0.2
095	4/2/2019 10:05:59	0.0	0.2
096	4/2/2019 10:06:59	0.0	0.2
097	4/2/2019 10:07:59	0.0	0.2
098	4/2/2019 10:08:59	0.0	0.2
099	4/2/2019 10:09:59	0.0	0.2
100	4/2/2019 10:10:59	0.0	0.2
101	4/2/2019 10:11:59	0.0	0.2
102	4/2/2019 10:12:59	0.0	0.2
103	4/2/2019 10:13:59	0.0	0.2
104	4/2/2019 10:14:59	0.0	0.2
105	4/2/2019 10:15:59	0.0	0.2
106	4/2/2019 10:16:59	0.0	0.2
107	4/2/2019 10:17:59	0.0	0.2
108	4/2/2019 10:18:59	0.0	0.2
109	4/2/2019 10:19:59	0.0	0.2
110	4/2/2019 10:20:59	0.0	0.2
111	4/2/2019 10:21:59	0.0	0.2
112	4/2/2019 10:22:59	0.0	0.2
113	4/2/2019 10:23:59	0.0	0.2
114	4/2/2019 10:24:59	0.0	0.2
115	4/2/2019 10:25:59	0.0	0.2
116	4/2/2019 10:26:59	0.0	0.2
117	4/2/2019 10:27:59	0.0	0.2
118	4/2/2019 10:28:59	0.0	0.2
119	4/2/2019 10:29:59	0.0	0.2
120	4/2/2019 10:30:59	0.0	0.2
121	4/2/2019 10:31:59	0.0	0.2
122	4/2/2019 10:32:59	0.0	0.2

123	4/2/2019 10:33:59	0.0	0.2
124	4/2/2019 10:34:59	0.0	0.2
125	4/2/2019 10:35:59	0.0	0.2
126	4/2/2019 10:36:59	0.0	0.2
127	4/2/2019 10:37:59	0.0	0.2
128	4/2/2019 10:38:59	0.0	0.2
129	4/2/2019 10:39:59	0.0	0.2
130	4/2/2019 10:40:59	0.0	0.2
131	4/2/2019 10:41:59	0.0	0.2
132	4/2/2019 10:42:59	0.1	0.2
133	4/2/2019 10:43:59	0.1	0.2
134	4/2/2019 10:44:59	0.1	0.2
135	4/2/2019 10:45:59	0.1	0.2
136	4/2/2019 10:46:59	0.1	0.2
137	4/2/2019 10:47:59	0.1	0.2
138	4/2/2019 10:48:59	0.1	0.2
139	4/2/2019 10:49:59	0.1	0.2
140	4/2/2019 10:50:59	0.1	0.2
141	4/2/2019 10:51:59	0.1	0.2
142	4/2/2019 10:52:59	0.1	0.2
143	4/2/2019 10:53:59	0.1	0.2
144	4/2/2019 10:54:59	0.1	0.2
145	4/2/2019 10:55:59	0.1	0.2
146	4/2/2019 10:56:59	0.1	0.2
147	4/2/2019 10:57:59	0.1	0.2
148	4/2/2019 10:58:59	0.1	0.2
149	4/2/2019 10:59:59	0.1	0.2
150	4/2/2019 11:00:59	0.1	0.2
151	4/2/2019 11:01:59	0.1	0.2
152	4/2/2019 11:02:59	0.1	0.2
153	4/2/2019 11:03:59	0.1	0.2
154	4/2/2019 11:04:59	0.1	0.2
155	4/2/2019 11:05:59	0.1	0.2
156	4/2/2019 11:06:59	0.1	0.2
157	4/2/2019 11:07:59	0.1	0.2
158	4/2/2019 11:08:59	0.1	0.2
159	4/2/2019 11:09:59	0.1	0.2
160	4/2/2019 11:10:59	0.1	0.2
161	4/2/2019 11:11:59	0.1	0.2
162	4/2/2019 11:12:59	0.1	0.2
163	4/2/2019 11:13:59	0.1	0.2
164	4/2/2019 11:14:59	0.1	0.2
165	4/2/2019 11:15:59	0.1	0.2
166	4/2/2019 11:16:59	0.1	0.2
167	4/2/2019 11:17:59	0.1	0.2
168	4/2/2019 11:18:59	0.1	0.2
169	4/2/2019 11:19:59	0.1	0.2
170	4/2/2019 11:20:59	0.1	0.2
171	4/2/2019 11:21:59	0.1	0.2
172	4/2/2019 11:22:59	0.1	0.2
173	4/2/2019 11:23:59	0.1	0.2
174	4/2/2019 11:24:59	0.1	0.2
175	4/2/2019 11:25:59	0.1	0.2
176	4/2/2019 11:26:59	0.1	0.2
177	4/2/2019 11:27:59	0.1	0.2
178	4/2/2019 11:28:59	0.1	0.2
179	4/2/2019 11:29:59	0.1	0.2

180	4/2/2019 11:30:59	0.1	0.2
181	4/2/2019 11:31:59	0.1	0.2
182	4/2/2019 11:32:59	0.1	0.2
183	4/2/2019 11:33:59	0.1	0.2
184	4/2/2019 11:34:59	0.1	0.2
185	4/2/2019 11:35:59	0.1	0.2
186	4/2/2019 11:36:59	0.1	0.2
187	4/2/2019 11:37:59	0.1	0.2
188	4/2/2019 11:38:59	0.1	0.2
189	4/2/2019 11:39:59	0.1	0.2
190	4/2/2019 11:40:59	0.1	0.2
191	4/2/2019 11:41:59	0.1	0.2
192	4/2/2019 11:42:59	0.1	0.2
193	4/2/2019 11:43:59	0.1	0.2
194	4/2/2019 11:44:59	0.1	0.2
195	4/2/2019 11:45:59	0.1	0.2
196	4/2/2019 11:46:59	0.1	0.2
197	4/2/2019 11:47:59	0.1	0.2
198	4/2/2019 11:48:59	0.1	0.2
199	4/2/2019 11:49:59	0.1	0.2
200	4/2/2019 11:50:59	0.1	0.2
201	4/2/2019 11:51:59	0.1	0.2
202	4/2/2019 11:52:59	0.1	0.2
203	4/2/2019 11:53:59	0.1	0.2
204	4/2/2019 11:54:59	0.1	0.2
205	4/2/2019 11:55:59	0.1	0.2
206	4/2/2019 11:56:59	0.1	0.2
207	4/2/2019 11:57:59	0.1	0.2
208	4/2/2019 11:58:59	0.1	0.2
209	4/2/2019 11:59:59	0.1	0.2
210	4/2/2019 12:00:59	0.1	0.2
211	4/2/2019 12:01:59	0.1	0.2
212	4/2/2019 12:02:59	0.1	0.2
213	4/2/2019 12:03:59	0.1	0.2
214	4/2/2019 12:04:59	0.1	0.2
215	4/2/2019 12:05:59	0.1	0.2
216	4/2/2019 12:06:59	0.1	0.2
217	4/2/2019 12:07:59	0.1	0.2
218	4/2/2019 12:08:59	0.1	0.2
219	4/2/2019 12:09:59	0.1	0.2
220	4/2/2019 12:10:59	0.1	0.2
221	4/2/2019 12:11:59	0.1	0.2
222	4/2/2019 12:12:59	0.1	0.2
223	4/2/2019 12:13:59	0.1	0.2
224	4/2/2019 12:14:59	0.1	0.2
225	4/2/2019 12:15:59	0.1	0.2
226	4/2/2019 12:16:59	0.1	0.2
227	4/2/2019 12:17:59	0.1	0.2
228	4/2/2019 12:18:59	0.1	0.2
229	4/2/2019 12:19:59	0.1	0.2
230	4/2/2019 12:20:59	0.1	0.2
231	4/2/2019 12:21:59	0.1	0.2
232	4/2/2019 12:22:59	0.1	0.2
233	4/2/2019 12:23:59	0.1	0.2
234	4/2/2019 12:24:59	0.1	0.2
235	4/2/2019 12:25:59	0.1	0.2
236	4/2/2019 12:26:59	0.1	0.2

237	4/2/2019 12:27:59	0.1	0.2
238	4/2/2019 12:28:59	0.1	0.2
239	4/2/2019 12:29:59	0.1	0.2
240	4/2/2019 12:30:59	0.1	0.2
241	4/2/2019 12:31:59	0.1	0.2
242	4/2/2019 12:32:59	0.1	0.2
243	4/2/2019 12:33:59	0.1	0.2
244	4/2/2019 12:34:59	0.1	0.2
245	4/2/2019 12:35:59	0.1	0.2
246	4/2/2019 12:36:59	0.1	0.2
247	4/2/2019 12:37:59	0.1	0.2
248	4/2/2019 12:38:59	0.1	0.2
249	4/2/2019 12:39:59	0.1	0.2
250	4/2/2019 12:40:59	0.1	0.2
251	4/2/2019 12:41:59	0.1	0.2
252	4/2/2019 12:42:59	0.1	0.2
253	4/2/2019 12:43:59	0.1	0.2
254	4/2/2019 12:44:59	0.1	0.2
255	4/2/2019 12:45:59	0.1	0.2
256	4/2/2019 12:46:59	0.1	0.2
257	4/2/2019 12:47:59	0.1	0.2
258	4/2/2019 12:48:59	0.1	0.2
259	4/2/2019 12:49:59	0.1	0.2
260	4/2/2019 12:50:59	0.1	0.2
261	4/2/2019 12:51:59	0.1	0.2
262	4/2/2019 12:52:59	0.1	0.2
263	4/2/2019 12:53:59	0.1	0.2
264	4/2/2019 12:54:59	0.1	0.2
265	4/2/2019 12:55:59	0.1	0.2
266	4/2/2019 12:56:59	0.1	0.2
267	4/2/2019 12:57:59	0.1	0.2
268	4/2/2019 12:58:59	0.1	0.2
269	4/2/2019 12:59:59	0.1	0.2
270	4/2/2019 13:00:59	0.1	0.2
271	4/2/2019 13:01:59	0.1	0.2
272	4/2/2019 13:02:59	0.1	0.2
273	4/2/2019 13:03:59	0.1	0.2
274	4/2/2019 13:04:59	0.1	0.2
275	4/2/2019 13:05:59	0.1	0.2
276	4/2/2019 13:06:59	0.1	0.2
277	4/2/2019 13:07:59	0.1	0.2
278	4/2/2019 13:08:59	0.1	0.2
279	4/2/2019 13:09:59	0.1	0.2
280	4/2/2019 13:10:59	0.1	0.2
281	4/2/2019 13:11:59	0.1	0.2
282	4/2/2019 13:12:59	0.1	0.2
283	4/2/2019 13:13:59	0.1	0.2
284	4/2/2019 13:14:59	0.1	0.2
285	4/2/2019 13:15:59	0.1	0.2
286	4/2/2019 13:16:59	0.1	0.2
287	4/2/2019 13:17:59	0.1	0.2
288	4/2/2019 13:18:59	0.1	0.2
289	4/2/2019 13:19:59	0.1	0.2
290	4/2/2019 13:20:59	0.1	0.2
291	4/2/2019 13:21:59	0.1	0.2
292	4/2/2019 13:22:59	0.1	0.1
293	4/2/2019 13:23:59	0.1	0.1

294	4/2/2019 13:24:59	0.1	0.1
295	4/2/2019 13:25:59	0.1	0.1
296	4/2/2019 13:26:59	0.1	0.1
297	4/2/2019 13:27:59	0.1	0.1
298	4/2/2019 13:28:59	0.1	0.1
299	4/2/2019 13:29:59	0.1	0.1
300	4/2/2019 13:30:59	0.1	0.1
301	4/2/2019 13:31:59	0.1	0.1
302	4/2/2019 13:32:59	0.1	0.1
303	4/2/2019 13:33:59	0.1	0.1
304	4/2/2019 13:34:59	0.1	0.1
305	4/2/2019 13:35:59	0.1	0.1
306	4/2/2019 13:36:59	0.1	0.1
307	4/2/2019 13:37:59	0.1	0.1
308	4/2/2019 13:38:59	0.1	0.1
309	4/2/2019 13:39:59	0.1	0.1
310	4/2/2019 13:40:59	0.1	0.1
311	4/2/2019 13:41:59	0.1	0.1
312	4/2/2019 13:42:59	0.1	0.1
313	4/2/2019 13:43:59	0.1	0.1
314	4/2/2019 13:44:59	0.1	0.1
315	4/2/2019 13:45:59	0.1	0.1
316	4/2/2019 13:46:59	0.1	0.1
317	4/2/2019 13:47:59	0.1	0.1
318	4/2/2019 13:48:59	0.1	0.1
319	4/2/2019 13:49:59	0.1	0.1
320	4/2/2019 13:50:59	0.1	0.1
321	4/2/2019 13:51:59	0.1	0.1
322	4/2/2019 13:52:59	0.1	0.1
323	4/2/2019 13:53:59	0.1	0.1
324	4/2/2019 13:54:59	0.1	0.1
325	4/2/2019 13:55:59	0.1	0.1
326	4/2/2019 13:56:59	0.1	0.1
327	4/2/2019 13:57:59	0.1	0.1
328	4/2/2019 13:58:59	0.1	0.1
329	4/2/2019 13:59:59	0.1	0.1

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19/04/03 20:28

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910551
Unit Firmware Ver	V2.16

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

Site ID	00000037
User ID	00000001

Begin	4/3/2019 20:28:50
End	4/3/2019 20:28:59
Sample Period(s)	30
Number of Records	0

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/2/2019 07:08

****
Datalog

0 record.

==========
19/04/04 15:42
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin 4/4/2019 15:42:02
End 4/4/2019 15:42:10
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/2/2019 07:08

****
Datalog

0 record.

==========
19/04/04 16:03
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/4/2019 16:03:20
End 4/4/2019 16:03:46
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/2/2019 07:08

****
Datalog

0 record.

==========
19/04/04 16:04
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037

User ID 00000001

Begin 4/4/2019 16:04:47
End 4/4/2019 20:47:44
Sample Period(s) 30
Number of Records 565

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/2/2019 07:08
Peak 4.1
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/4/2019 16:05:17	0.0	0.0	0.0	0.0
002	4/4/2019 16:05:47	0.0	0.0	0.0	0.0
003	4/4/2019 16:06:17	0.0	0.0	0.0	0.0
004	4/4/2019 16:06:47	0.0	0.0	0.0	0.0
005	4/4/2019 16:07:17	0.0	0.0	0.0	0.0
006	4/4/2019 16:07:47	0.0	0.0	0.0	0.0
007	4/4/2019 16:08:17	0.0	0.0	0.0	0.0
008	4/4/2019 16:08:47	0.0	0.0	0.0	0.0
009	4/4/2019 16:09:17	0.0	0.0	0.0	0.0
010	4/4/2019 16:09:47	0.0	0.0	0.0	0.0
011	4/4/2019 16:10:17	0.0	0.0	0.0	0.0
012	4/4/2019 16:10:47	0.0	0.0	0.0	0.0
013	4/4/2019 16:11:17	0.0	0.0	0.0	0.0
014	4/4/2019 16:11:47	0.0	0.0	0.0	0.0
015	4/4/2019 16:12:17	0.0	0.0	0.0	0.0
016	4/4/2019 16:12:47	0.0	0.0	0.0	0.0
017	4/4/2019 16:13:17	0.0	0.0	0.0	0.0
018	4/4/2019 16:13:47	0.0	0.0	0.0	0.0
019	4/4/2019 16:14:17	0.0	0.0	0.0	0.0
020	4/4/2019 16:14:47	0.0	0.0	0.0	0.0
021	4/4/2019 16:15:17	0.0	0.0	0.0	0.0
022	4/4/2019 16:15:47	0.0	1.0	2.6	2.2
023	4/4/2019 16:16:17	0.1	0.5	1.7	0.9
024	4/4/2019 16:16:47	0.0	0.3	0.9	0.5
025	4/4/2019 16:17:17	0.1	1.6	4.9	4.1
026	4/4/2019 16:17:47	0.1	0.5	3.2	0.1
027	4/4/2019 16:18:17	0.0	0.0	0.3	0.3
028	4/4/2019 16:18:47	0.1	0.7	2.4	2.4
029	4/4/2019 16:19:17	0.0	0.5	2.2	0.0
030	4/4/2019 16:19:47	0.0	0.0	0.0	0.0

031	4/4/2019	16:20:17	0.0	0.0	0.0	0.0
032	4/4/2019	16:20:47	0.0	0.0	0.0	0.0
033	4/4/2019	16:21:17	0.0	0.0	0.0	0.0
034	4/4/2019	16:21:47	0.0	0.0	0.0	0.0
035	4/4/2019	16:22:17	0.0	0.0	0.0	0.0
036	4/4/2019	16:22:47	0.0	0.0	0.0	0.0
037	4/4/2019	16:23:17	0.0	0.0	0.0	0.0
038	4/4/2019	16:23:47	0.0	0.0	0.1	0.0
039	4/4/2019	16:24:17	0.0	0.0	0.0	0.0
040	4/4/2019	16:24:47	0.0	0.0	0.0	0.0
041	4/4/2019	16:25:17	0.0	0.0	0.0	0.0
042	4/4/2019	16:25:47	0.0	0.0	0.0	0.0
043	4/4/2019	16:26:17	0.0	0.0	0.0	0.0
044	4/4/2019	16:26:47	0.0	0.0	0.0	0.0
045	4/4/2019	16:27:17	0.0	0.0	0.0	0.0
046	4/4/2019	16:27:47	0.0	0.0	0.0	0.0
047	4/4/2019	16:28:17	0.0	0.0	0.0	0.0
048	4/4/2019	16:28:47	0.0	0.0	0.0	0.0
049	4/4/2019	16:29:17	0.0	0.0	0.0	0.0
050	4/4/2019	16:29:47	0.0	0.0	0.0	0.0
051	4/4/2019	16:30:17	0.0	0.0	0.0	0.0
052	4/4/2019	16:30:47	0.0	0.0	0.0	0.0
053	4/4/2019	16:31:17	0.0	0.0	0.0	0.0
054	4/4/2019	16:31:47	0.0	0.0	0.0	0.0
055	4/4/2019	16:32:17	0.0	0.0	0.0	0.0
056	4/4/2019	16:32:47	0.0	0.0	0.0	0.0
057	4/4/2019	16:33:17	0.0	0.0	0.0	0.0
058	4/4/2019	16:33:47	0.0	0.0	0.0	0.0
059	4/4/2019	16:34:17	0.0	0.0	0.0	0.0
060	4/4/2019	16:34:47	0.0	0.0	0.0	0.0
061	4/4/2019	16:35:17	0.0	0.0	0.0	0.0
062	4/4/2019	16:35:47	0.0	0.0	0.0	0.0
063	4/4/2019	16:36:17	0.0	0.0	0.0	0.0
064	4/4/2019	16:36:47	0.0	0.0	0.0	0.0
065	4/4/2019	16:37:17	0.0	0.0	0.0	0.0
066	4/4/2019	16:37:47	0.0	0.0	0.0	0.0
067	4/4/2019	16:38:17	0.0	0.0	0.0	0.0
068	4/4/2019	16:38:47	0.0	0.0	0.0	0.0
069	4/4/2019	16:39:17	0.0	0.0	0.0	0.0
070	4/4/2019	16:39:47	0.0	0.0	0.0	0.0
071	4/4/2019	16:40:17	0.0	0.0	0.0	0.0
072	4/4/2019	16:40:47	0.0	0.0	0.0	0.0
073	4/4/2019	16:41:17	0.0	0.0	0.0	0.0
074	4/4/2019	16:41:47	0.0	0.0	0.0	0.0
075	4/4/2019	16:42:17	0.0	0.0	0.0	0.0
076	4/4/2019	16:42:47	0.0	0.0	0.0	0.0
077	4/4/2019	16:43:17	0.0	0.0	0.0	0.0
078	4/4/2019	16:43:47	0.0	0.0	0.0	0.0
079	4/4/2019	16:44:17	0.0	0.0	0.0	0.0
080	4/4/2019	16:44:47	0.0	0.0	0.0	0.0
081	4/4/2019	16:45:17	0.0	0.0	0.0	0.0
082	4/4/2019	16:45:47	0.0	0.0	0.0	0.0
083	4/4/2019	16:46:17	0.0	0.0	0.0	0.0
084	4/4/2019	16:46:47	0.0	0.0	0.0	0.0
085	4/4/2019	16:47:17	0.0	0.0	0.0	0.0
086	4/4/2019	16:47:47	0.0	0.0	0.0	0.0
087	4/4/2019	16:48:17	0.0	0.0	0.0	0.0

088	4/4/2019	16:48:47	0.0	0.0	0.0	0.0
089	4/4/2019	16:49:17	0.0	0.0	0.0	0.0
090	4/4/2019	16:49:47	0.0	0.0	0.0	0.0
091	4/4/2019	16:50:17	0.0	0.0	0.0	0.0
092	4/4/2019	16:50:47	0.0	0.0	0.0	0.0
093	4/4/2019	16:51:17	0.0	0.0	0.0	0.0
094	4/4/2019	16:51:47	0.0	0.0	0.0	0.0
095	4/4/2019	16:52:17	0.0	0.0	0.0	0.0
096	4/4/2019	16:52:47	0.0	0.0	0.0	0.0
097	4/4/2019	16:53:17	0.0	0.0	0.0	0.0
098	4/4/2019	16:53:47	0.0	0.5	1.7	0.4
099	4/4/2019	16:54:17	0.0	0.3	0.9	0.1
100	4/4/2019	16:54:47	0.0	0.1	0.9	0.9
101	4/4/2019	16:55:17	0.0	0.1	0.9	0.0
102	4/4/2019	16:55:47	0.0	0.3	2.1	1.7
103	4/4/2019	16:56:17	0.0	0.4	1.7	0.0
104	4/4/2019	16:56:47	0.0	0.0	0.0	0.0
105	4/4/2019	16:57:17	0.0	0.0	0.0	0.0
106	4/4/2019	16:57:47	0.0	0.0	0.0	0.0
107	4/4/2019	16:58:17	0.0	0.0	0.0	0.0
108	4/4/2019	16:58:47	0.0	0.0	0.0	0.0
109	4/4/2019	16:59:17	0.0	0.0	0.0	0.0
110	4/4/2019	16:59:47	0.0	0.0	0.0	0.0
111	4/4/2019	17:00:17	0.0	0.0	0.0	0.0
112	4/4/2019	17:00:47	0.0	0.0	0.0	0.0
113	4/4/2019	17:01:17	0.0	0.0	0.0	0.0
114	4/4/2019	17:01:47	0.0	0.0	0.0	0.0
115	4/4/2019	17:02:17	0.0	0.0	0.0	0.0
116	4/4/2019	17:02:47	0.0	0.0	0.0	0.0
117	4/4/2019	17:03:17	0.0	0.0	0.0	0.0
118	4/4/2019	17:03:47	0.0	0.0	0.0	0.0
119	4/4/2019	17:04:17	0.0	0.0	0.0	0.0
120	4/4/2019	17:04:47	0.0	0.0	0.0	0.0
121	4/4/2019	17:05:17	0.0	0.0	0.0	0.0
122	4/4/2019	17:05:47	0.0	0.0	0.0	0.0
123	4/4/2019	17:06:17	0.0	0.0	0.0	0.0
124	4/4/2019	17:06:47	0.0	0.0	0.0	0.0
125	4/4/2019	17:07:17	0.0	0.0	0.0	0.0
126	4/4/2019	17:07:47	0.0	0.0	0.0	0.0
127	4/4/2019	17:08:17	0.0	0.0	0.0	0.0
128	4/4/2019	17:08:47	0.0	0.0	0.0	0.0
129	4/4/2019	17:09:17	0.0	0.0	0.0	0.0
130	4/4/2019	17:09:47	0.0	0.0	0.0	0.0
131	4/4/2019	17:10:17	0.0	0.0	0.0	0.0
132	4/4/2019	17:10:47	0.0	0.0	0.0	0.0
133	4/4/2019	17:11:17	0.0	0.0	0.0	0.0
134	4/4/2019	17:11:47	0.0	0.0	0.0	0.0
135	4/4/2019	17:12:17	0.0	0.0	0.0	0.0
136	4/4/2019	17:12:47	0.0	0.0	0.0	0.0
137	4/4/2019	17:13:17	0.0	0.0	0.0	0.0
138	4/4/2019	17:13:47	0.0	0.0	0.0	0.0
139	4/4/2019	17:14:17	0.0	0.0	0.0	0.0
140	4/4/2019	17:14:47	0.0	0.0	0.0	0.0
141	4/4/2019	17:15:17	0.0	0.0	0.0	0.0
142	4/4/2019	17:15:47	0.0	0.0	0.0	0.0
143	4/4/2019	17:16:17	0.0	0.0	0.0	0.0
144	4/4/2019	17:16:47	0.0	0.0	0.0	0.0

145	4/4/2019 17:17:17	0.0	0.0	0.0	0.0
146	4/4/2019 17:17:47	0.0	0.0	0.0	0.0
147	4/4/2019 17:18:17	0.0	0.0	0.0	0.0
148	4/4/2019 17:18:47	0.0	0.0	0.0	0.0
149	4/4/2019 17:19:17	0.0	0.0	0.0	0.0
150	4/4/2019 17:19:47	0.0	0.0	0.0	0.0
151	4/4/2019 17:20:17	0.0	0.0	0.0	0.0
152	4/4/2019 17:20:47	0.0	0.0	0.0	0.0
153	4/4/2019 17:21:17	0.0	0.0	0.0	0.0
154	4/4/2019 17:21:47	0.0	0.0	0.0	0.0
155	4/4/2019 17:22:17	0.0	0.0	0.0	0.0
156	4/4/2019 17:22:47	0.0	0.0	0.0	0.0
157	4/4/2019 17:23:17	0.0	0.0	0.0	0.0
158	4/4/2019 17:23:47	0.0	0.0	0.0	0.0
159	4/4/2019 17:24:17	0.0	0.0	0.0	0.0
160	4/4/2019 17:24:47	0.0	0.0	0.0	0.0
161	4/4/2019 17:25:17	0.0	0.0	0.0	0.0
162	4/4/2019 17:25:47	0.0	0.0	0.0	0.0
163	4/4/2019 17:26:17	0.0	0.0	0.0	0.0
164	4/4/2019 17:26:47	0.0	0.0	0.0	0.0
165	4/4/2019 17:27:17	0.0	0.0	0.0	0.0
166	4/4/2019 17:27:47	0.0	0.0	0.0	0.0
167	4/4/2019 17:28:17	0.0	0.0	0.0	0.0
168	4/4/2019 17:28:47	0.0	0.0	0.0	0.0
169	4/4/2019 17:29:17	0.0	0.0	0.0	0.0
170	4/4/2019 17:29:47	0.0	0.0	0.0	0.0
171	4/4/2019 17:30:17	0.0	0.0	0.0	0.0
172	4/4/2019 17:30:47	0.0	0.0	0.0	0.0
173	4/4/2019 17:31:17	0.0	0.0	0.0	0.0
174	4/4/2019 17:31:47	0.0	0.0	0.0	0.0
175	4/4/2019 17:32:17	0.0	0.2	0.6	0.1
176	4/4/2019 17:32:47	0.0	0.1	0.4	0.0
177	4/4/2019 17:33:17	0.0	0.1	0.3	0.3
178	4/4/2019 17:33:47	0.0	0.2	0.5	0.0
179	4/4/2019 17:34:17	0.0	0.0	0.3	0.3
180	4/4/2019 17:34:47	0.0	0.1	0.3	0.1
181	4/4/2019 17:35:17	0.0	0.1	0.2	0.0
182	4/4/2019 17:35:47	0.0	0.0	0.0	0.0
183	4/4/2019 17:36:17	0.0	0.0	0.0	0.0
184	4/4/2019 17:36:47	0.0	0.0	0.0	0.0
185	4/4/2019 17:37:17	0.0	0.0	0.0	0.0
186	4/4/2019 17:37:47	0.0	0.0	0.0	0.0
187	4/4/2019 17:38:17	0.0	0.0	0.0	0.0
188	4/4/2019 17:38:47	0.0	0.0	0.0	0.0
189	4/4/2019 17:39:17	0.0	0.0	0.0	0.0
190	4/4/2019 17:39:47	0.0	0.0	0.0	0.0
191	4/4/2019 17:40:17	0.0	0.0	0.0	0.0
192	4/4/2019 17:40:47	0.0	0.0	0.0	0.0
193	4/4/2019 17:41:17	0.0	0.0	0.0	0.0
194	4/4/2019 17:41:47	0.0	0.0	0.0	0.0
195	4/4/2019 17:42:17	0.0	0.0	0.0	0.0
196	4/4/2019 17:42:47	0.0	0.0	0.0	0.0
197	4/4/2019 17:43:17	0.0	0.0	0.0	0.0
198	4/4/2019 17:43:47	0.0	0.0	0.0	0.0
199	4/4/2019 17:44:17	0.0	0.0	0.0	0.0
200	4/4/2019 17:44:47	0.0	0.0	0.0	0.0
201	4/4/2019 17:45:17	0.0	0.0	0.0	0.0

202	4/4/2019 17:45:47	0.0	0.0	0.0	0.0
203	4/4/2019 17:46:17	0.0	0.0	0.0	0.0
204	4/4/2019 17:46:47	0.0	0.0	0.0	0.0
205	4/4/2019 17:47:17	0.0	0.0	0.0	0.0
206	4/4/2019 17:47:47	0.0	0.0	0.0	0.0
207	4/4/2019 17:48:17	0.0	0.2	0.9	0.0
208	4/4/2019 17:48:47	0.0	0.2	0.5	0.0
209	4/4/2019 17:49:17	0.0	0.0	0.0	0.0
210	4/4/2019 17:49:47	0.0	0.5	2.5	0.1
211	4/4/2019 17:50:17	0.0	0.3	0.8	0.0
212	4/4/2019 17:50:47	0.0	0.0	0.0	0.0
213	4/4/2019 17:51:17	0.0	0.0	0.0	0.0
214	4/4/2019 17:51:47	0.0	0.0	0.0	0.0
215	4/4/2019 17:52:17	0.0	0.0	0.0	0.0
216	4/4/2019 17:52:47	0.0	0.0	0.0	0.0
217	4/4/2019 17:53:17	0.0	0.0	0.0	0.0
218	4/4/2019 17:53:47	0.0	0.0	0.0	0.0
219	4/4/2019 17:54:17	0.0	0.0	0.0	0.0
220	4/4/2019 17:54:47	0.0	0.0	0.0	0.0
221	4/4/2019 17:55:17	0.0	0.0	0.0	0.0
222	4/4/2019 17:55:47	0.0	0.0	0.0	0.0
223	4/4/2019 17:56:17	0.0	0.0	0.0	0.0
224	4/4/2019 17:56:47	0.0	0.0	0.0	0.0
225	4/4/2019 17:57:17	0.0	0.0	0.0	0.0
226	4/4/2019 17:57:47	0.0	0.0	0.0	0.0
227	4/4/2019 17:58:17	0.0	0.0	0.0	0.0
228	4/4/2019 17:58:47	0.0	0.0	0.0	0.0
229	4/4/2019 17:59:17	0.0	0.0	0.0	0.0
230	4/4/2019 17:59:47	0.0	0.0	0.0	0.0
231	4/4/2019 18:00:17	0.0	0.0	0.0	0.0
232	4/4/2019 18:00:47	0.0	0.0	0.0	0.0
233	4/4/2019 18:01:17	0.0	0.0	0.0	0.0
234	4/4/2019 18:01:47	0.0	0.0	0.0	0.0
235	4/4/2019 18:02:17	0.0	0.0	0.0	0.0
236	4/4/2019 18:02:47	0.0	0.0	0.0	0.0
237	4/4/2019 18:03:17	0.0	0.0	0.0	0.0
238	4/4/2019 18:03:47	0.0	0.0	0.0	0.0
239	4/4/2019 18:04:17	0.0	0.0	0.0	0.0
240	4/4/2019 18:04:47	0.0	0.0	0.0	0.0
241	4/4/2019 18:05:17	0.0	0.0	0.0	0.0
242	4/4/2019 18:05:47	0.0	0.0	0.0	0.0
243	4/4/2019 18:06:17	0.0	0.0	0.0	0.0
244	4/4/2019 18:06:47	0.0	0.0	0.0	0.0
245	4/4/2019 18:07:17	0.0	0.0	0.0	0.0
246	4/4/2019 18:07:47	0.0	0.0	0.0	0.0
247	4/4/2019 18:08:17	0.0	0.0	0.0	0.0
248	4/4/2019 18:08:47	0.0	0.0	0.0	0.0
249	4/4/2019 18:09:17	0.0	0.0	0.0	0.0
250	4/4/2019 18:09:47	0.0	0.0	0.0	0.0
251	4/4/2019 18:10:17	0.0	0.0	0.0	0.0
252	4/4/2019 18:10:47	0.0	0.0	0.0	0.0
253	4/4/2019 18:11:17	0.0	0.0	0.0	0.0
254	4/4/2019 18:11:47	0.0	0.0	0.0	0.0
255	4/4/2019 18:12:17	0.0	0.0	0.0	0.0
256	4/4/2019 18:12:47	0.0	0.0	0.0	0.0
257	4/4/2019 18:13:17	0.0	0.0	0.0	0.0
258	4/4/2019 18:13:47	0.0	0.0	0.0	0.0

259	4/4/2019	18:14:17	0.0	0.0	0.0	0.0
260	4/4/2019	18:14:47	0.0	0.0	0.0	0.0
261	4/4/2019	18:15:17	0.0	0.0	0.0	0.0
262	4/4/2019	18:15:47	0.0	0.0	0.0	0.0
263	4/4/2019	18:16:17	0.0	0.0	0.0	0.0
264	4/4/2019	18:16:47	0.0	0.0	0.0	0.0
265	4/4/2019	18:17:17	0.0	0.0	0.0	0.0
266	4/4/2019	18:17:47	0.0	0.0	0.0	0.0
267	4/4/2019	18:18:17	0.0	0.0	0.0	0.0
268	4/4/2019	18:18:47	0.0	0.0	0.0	0.0
269	4/4/2019	18:19:17	0.0	0.0	0.0	0.0
270	4/4/2019	18:19:47	0.0	0.0	0.0	0.0
271	4/4/2019	18:20:17	0.0	0.0	0.0	0.0
272	4/4/2019	18:20:47	0.0	0.0	0.0	0.0
273	4/4/2019	18:21:17	0.0	0.0	0.0	0.0
274	4/4/2019	18:21:47	0.0	0.0	0.0	0.0
275	4/4/2019	18:22:17	0.0	0.0	0.0	0.0
276	4/4/2019	18:22:47	0.0	0.0	0.0	0.0
277	4/4/2019	18:23:17	0.0	0.0	0.0	0.0
278	4/4/2019	18:23:47	0.0	0.0	0.0	0.0
279	4/4/2019	18:24:17	0.0	0.0	0.0	0.0
280	4/4/2019	18:24:47	0.0	0.0	0.0	0.0
281	4/4/2019	18:25:17	0.0	0.0	0.0	0.0
282	4/4/2019	18:25:47	0.0	0.0	0.0	0.0
283	4/4/2019	18:26:17	0.0	0.0	0.0	0.0
284	4/4/2019	18:26:47	0.0	0.0	0.0	0.0
285	4/4/2019	18:27:17	0.0	0.0	0.0	0.0
286	4/4/2019	18:27:47	0.0	0.0	0.0	0.0
287	4/4/2019	18:28:17	0.0	0.0	0.0	0.0
288	4/4/2019	18:28:47	0.0	0.0	0.0	0.0
289	4/4/2019	18:29:17	0.0	0.0	0.0	0.0
290	4/4/2019	18:29:47	0.0	0.0	0.0	0.0
291	4/4/2019	18:30:17	0.0	0.0	0.0	0.0
292	4/4/2019	18:30:47	0.0	0.0	0.0	0.0
293	4/4/2019	18:31:17	0.0	0.0	0.0	0.0
294	4/4/2019	18:31:47	0.0	0.0	0.0	0.0
295	4/4/2019	18:32:17	0.0	0.0	0.0	0.0
296	4/4/2019	18:32:47	0.0	0.0	0.0	0.0
297	4/4/2019	18:33:17	0.0	0.0	0.0	0.0
298	4/4/2019	18:33:47	0.0	0.0	0.0	0.0
299	4/4/2019	18:34:17	0.0	0.0	0.0	0.0
300	4/4/2019	18:34:47	0.0	0.0	0.0	0.0
301	4/4/2019	18:35:17	0.0	0.0	0.0	0.0
302	4/4/2019	18:35:47	0.0	0.0	0.0	0.0
303	4/4/2019	18:36:17	0.0	0.0	0.0	0.0
304	4/4/2019	18:36:47	0.0	0.0	0.0	0.0
305	4/4/2019	18:37:17	0.0	0.0	0.0	0.0
306	4/4/2019	18:37:47	0.0	0.0	0.0	0.0
307	4/4/2019	18:38:17	0.0	0.0	0.0	0.0
308	4/4/2019	18:38:47	0.0	0.0	0.0	0.0
309	4/4/2019	18:39:17	0.0	0.0	0.0	0.0
310	4/4/2019	18:39:47	0.0	0.0	0.0	0.0
311	4/4/2019	18:40:17	0.0	0.0	0.0	0.0
312	4/4/2019	18:40:47	0.0	0.0	0.0	0.0
313	4/4/2019	18:41:17	0.0	0.0	0.0	0.0
314	4/4/2019	18:41:47	0.0	0.0	0.0	0.0
315	4/4/2019	18:42:17	0.0	0.0	0.0	0.0

316	4/4/2019	18:42:47	0.0	0.0	0.0	0.0
317	4/4/2019	18:43:17	0.0	0.0	0.0	0.0
318	4/4/2019	18:43:47	0.0	0.0	0.0	0.0
319	4/4/2019	18:44:17	0.0	0.0	0.0	0.0
320	4/4/2019	18:44:47	0.0	0.0	0.0	0.0
321	4/4/2019	18:45:17	0.0	0.0	0.0	0.0
322	4/4/2019	18:45:47	0.0	0.0	0.0	0.0
323	4/4/2019	18:46:17	0.0	0.0	0.0	0.0
324	4/4/2019	18:46:47	0.0	0.0	0.0	0.0
325	4/4/2019	18:47:17	0.0	0.0	0.0	0.0
326	4/4/2019	18:47:47	0.0	0.0	0.0	0.0
327	4/4/2019	18:48:17	0.0	0.0	0.0	0.0
328	4/4/2019	18:48:47	0.0	0.0	0.0	0.0
329	4/4/2019	18:49:17	0.0	0.0	0.0	0.0
330	4/4/2019	18:49:47	0.0	0.0	0.0	0.0
331	4/4/2019	18:50:17	0.0	0.0	0.0	0.0
332	4/4/2019	18:50:47	0.0	0.0	0.0	0.0
333	4/4/2019	18:51:17	0.0	0.0	0.0	0.0
334	4/4/2019	18:51:47	0.0	0.0	0.0	0.0
335	4/4/2019	18:52:17	0.0	0.0	0.0	0.0
336	4/4/2019	18:52:47	0.0	0.0	0.0	0.0
337	4/4/2019	18:53:17	0.0	0.0	0.0	0.0
338	4/4/2019	18:53:47	0.0	0.0	0.0	0.0
339	4/4/2019	18:54:17	0.0	0.0	0.0	0.0
340	4/4/2019	18:54:47	0.0	0.0	0.0	0.0
341	4/4/2019	18:55:17	0.0	0.0	0.0	0.0
342	4/4/2019	18:55:47	0.0	0.0	0.0	0.0
343	4/4/2019	18:56:17	0.0	0.0	0.0	0.0
344	4/4/2019	18:56:47	0.0	0.0	0.0	0.0
345	4/4/2019	18:57:17	0.0	0.0	0.0	0.0
346	4/4/2019	18:57:47	0.0	0.0	0.0	0.0
347	4/4/2019	18:58:17	0.0	0.0	0.0	0.0
348	4/4/2019	18:58:47	0.0	0.0	0.0	0.0
349	4/4/2019	18:59:17	0.0	0.0	0.0	0.0
350	4/4/2019	18:59:47	0.0	0.0	0.0	0.0
351	4/4/2019	19:00:17	0.0	0.0	0.0	0.0
352	4/4/2019	19:00:47	0.0	0.0	0.0	0.0
353	4/4/2019	19:01:17	0.0	0.0	0.0	0.0
354	4/4/2019	19:01:47	0.0	0.0	0.0	0.0
355	4/4/2019	19:02:17	0.0	0.0	0.0	0.0
356	4/4/2019	19:02:47	0.0	0.0	0.0	0.0
357	4/4/2019	19:03:17	0.0	0.0	0.0	0.0
358	4/4/2019	19:03:47	0.0	0.0	0.0	0.0
359	4/4/2019	19:04:17	0.0	0.0	0.0	0.0
360	4/4/2019	19:04:47	0.0	0.0	0.0	0.0
361	4/4/2019	19:05:17	0.0	0.0	0.0	0.0
362	4/4/2019	19:05:47	0.0	0.0	0.0	0.0
363	4/4/2019	19:06:17	0.0	0.0	0.0	0.0
364	4/4/2019	19:06:47	0.0	0.0	0.0	0.0
365	4/4/2019	19:07:17	0.0	0.0	0.0	0.0
366	4/4/2019	19:07:47	0.0	0.0	0.1	0.0
367	4/4/2019	19:08:17	0.0	0.0	0.0	0.0
368	4/4/2019	19:08:47	0.0	0.0	0.0	0.0
369	4/4/2019	19:09:17	0.0	0.0	0.0	0.0
370	4/4/2019	19:09:47	0.0	0.0	0.0	0.0
371	4/4/2019	19:10:17	0.0	0.0	0.0	0.0
372	4/4/2019	19:10:47	0.0	0.0	0.0	0.0

373	4/4/2019	19:11:17	0.0	0.0	0.0	0.0
374	4/4/2019	19:11:47	0.0	0.0	0.0	0.0
375	4/4/2019	19:12:17	0.0	0.0	0.0	0.0
376	4/4/2019	19:12:47	0.0	0.0	0.0	0.0
377	4/4/2019	19:13:17	0.0	0.0	0.0	0.0
378	4/4/2019	19:13:47	0.0	0.0	0.0	0.0
379	4/4/2019	19:14:17	0.0	0.0	0.0	0.0
380	4/4/2019	19:14:47	0.0	0.0	0.0	0.0
381	4/4/2019	19:15:17	0.0	0.0	0.0	0.0
382	4/4/2019	19:15:47	0.0	0.0	0.0	0.0
383	4/4/2019	19:16:17	0.0	0.0	0.0	0.0
384	4/4/2019	19:16:47	0.0	0.0	0.0	0.0
385	4/4/2019	19:17:17	0.0	0.0	0.0	0.0
386	4/4/2019	19:17:47	0.0	0.0	0.0	0.0
387	4/4/2019	19:18:17	0.0	0.0	0.0	0.0
388	4/4/2019	19:18:47	0.0	0.0	0.0	0.0
389	4/4/2019	19:19:17	0.0	0.0	0.0	0.0
390	4/4/2019	19:19:47	0.0	0.0	0.0	0.0
391	4/4/2019	19:20:17	0.0	0.0	0.0	0.0
392	4/4/2019	19:20:47	0.0	0.0	0.0	0.0
393	4/4/2019	19:21:17	0.0	0.0	0.0	0.0
394	4/4/2019	19:21:47	0.0	0.0	0.0	0.0
395	4/4/2019	19:22:17	0.0	0.0	0.0	0.0
396	4/4/2019	19:22:47	0.0	0.0	0.0	0.0
397	4/4/2019	19:23:17	0.0	0.0	0.0	0.0
398	4/4/2019	19:23:47	0.0	0.0	0.0	0.0
399	4/4/2019	19:24:17	0.0	0.0	0.0	0.0
400	4/4/2019	19:24:47	0.0	0.0	0.0	0.0
401	4/4/2019	19:25:17	0.0	0.0	0.0	0.0
402	4/4/2019	19:25:47	0.0	0.0	0.0	0.0
403	4/4/2019	19:26:17	0.0	0.0	0.0	0.0
404	4/4/2019	19:26:47	0.0	0.0	0.0	0.0
405	4/4/2019	19:27:17	0.0	0.0	0.0	0.0
406	4/4/2019	19:27:47	0.0	0.0	0.0	0.0
407	4/4/2019	19:28:17	0.0	0.0	0.0	0.0
408	4/4/2019	19:28:47	0.0	0.0	0.0	0.0
409	4/4/2019	19:29:17	0.0	0.0	0.0	0.0
410	4/4/2019	19:29:47	0.0	0.0	0.0	0.0
411	4/4/2019	19:30:17	0.0	0.0	0.0	0.0
412	4/4/2019	19:30:47	0.0	0.0	0.0	0.0
413	4/4/2019	19:31:17	0.0	0.0	0.0	0.0
414	4/4/2019	19:31:47	0.0	0.0	0.0	0.0
415	4/4/2019	19:32:17	0.0	0.0	0.0	0.0
416	4/4/2019	19:32:47	0.0	0.0	0.0	0.0
417	4/4/2019	19:33:17	0.0	0.0	0.0	0.0
418	4/4/2019	19:33:47	0.0	0.0	0.0	0.0
419	4/4/2019	19:34:17	0.0	0.0	0.0	0.0
420	4/4/2019	19:34:47	0.0	0.0	0.0	0.0
421	4/4/2019	19:35:17	0.0	0.0	0.0	0.0
422	4/4/2019	19:35:47	0.0	0.0	0.0	0.0
423	4/4/2019	19:36:17	0.0	0.0	0.0	0.0
424	4/4/2019	19:36:47	0.0	0.0	0.0	0.0
425	4/4/2019	19:37:17	0.0	0.0	0.0	0.0
426	4/4/2019	19:37:47	0.0	0.0	0.0	0.0
427	4/4/2019	19:38:17	0.0	0.0	0.0	0.0
428	4/4/2019	19:38:47	0.0	0.0	0.0	0.0
429	4/4/2019	19:39:17	0.0	0.0	0.0	0.0

430	4/4/2019 19:39:47	0.0	0.0	0.0	0.0
431	4/4/2019 19:40:17	0.0	0.0	0.0	0.0
432	4/4/2019 19:40:47	0.0	0.0	0.0	0.0
433	4/4/2019 19:41:17	0.0	0.0	0.0	0.0
434	4/4/2019 19:41:47	0.0	0.0	0.0	0.0
435	4/4/2019 19:42:17	0.0	0.0	0.0	0.0
436	4/4/2019 19:42:47	0.0	0.0	0.0	0.0
437	4/4/2019 19:43:17	0.0	0.0	0.0	0.0
438	4/4/2019 19:43:47	0.0	0.0	0.0	0.0
439	4/4/2019 19:44:17	0.0	0.0	0.0	0.0
440	4/4/2019 19:44:47	0.0	0.0	0.0	0.0
441	4/4/2019 19:45:17	0.0	0.0	0.0	0.0
442	4/4/2019 19:45:47	0.0	0.0	0.0	0.0
443	4/4/2019 19:46:17	0.0	0.0	0.0	0.0
444	4/4/2019 19:46:47	0.0	0.0	0.0	0.0
445	4/4/2019 19:47:17	0.0	0.0	0.0	0.0
446	4/4/2019 19:47:47	0.0	0.0	0.0	0.0
447	4/4/2019 19:48:17	0.0	0.0	0.0	0.0
448	4/4/2019 19:48:47	0.0	0.0	0.0	0.0
449	4/4/2019 19:49:17	0.0	0.0	0.0	0.0
450	4/4/2019 19:49:47	0.0	0.0	0.0	0.0
451	4/4/2019 19:50:17	0.0	0.0	0.0	0.0
452	4/4/2019 19:50:47	0.0	0.0	0.0	0.0
453	4/4/2019 19:51:17	0.0	0.0	0.0	0.0
454	4/4/2019 19:51:47	0.0	0.0	0.0	0.0
455	4/4/2019 19:52:17	0.0	0.0	0.0	0.0
456	4/4/2019 19:52:47	0.0	0.0	0.0	0.0
457	4/4/2019 19:53:17	0.0	0.0	0.0	0.0
458	4/4/2019 19:53:47	0.0	0.0	0.0	0.0
459	4/4/2019 19:54:17	0.0	0.0	0.0	0.0
460	4/4/2019 19:54:47	0.0	0.0	0.0	0.0
461	4/4/2019 19:55:17	0.0	0.0	0.0	0.0
462	4/4/2019 19:55:47	0.0	0.0	0.0	0.0
463	4/4/2019 19:56:17	0.0	0.0	0.0	0.0
464	4/4/2019 19:56:47	0.0	0.0	0.0	0.0
465	4/4/2019 19:57:17	0.0	0.0	0.0	0.0
466	4/4/2019 19:57:47	0.0	0.0	0.0	0.0
467	4/4/2019 19:58:17	0.0	0.0	0.0	0.0
468	4/4/2019 19:58:47	0.0	0.0	0.0	0.0
469	4/4/2019 19:59:17	0.0	0.0	0.0	0.0
470	4/4/2019 19:59:47	0.0	0.0	0.0	0.0
471	4/4/2019 20:00:17	0.0	0.0	0.0	0.0
472	4/4/2019 20:00:47	0.0	0.0	0.0	0.0
473	4/4/2019 20:01:17	0.0	0.0	0.0	0.0
474	4/4/2019 20:01:47	0.0	0.0	0.0	0.0
475	4/4/2019 20:02:17	0.0	0.0	0.0	0.0
476	4/4/2019 20:02:47	0.0	0.0	0.0	0.0
477	4/4/2019 20:03:17	0.0	0.0	0.0	0.0
478	4/4/2019 20:03:47	0.0	0.0	0.0	0.0
479	4/4/2019 20:04:17	0.0	0.0	0.0	0.0
480	4/4/2019 20:04:47	0.0	0.0	0.0	0.0
481	4/4/2019 20:05:17	0.0	0.0	0.0	0.0
482	4/4/2019 20:05:47	0.0	0.0	0.0	0.0
483	4/4/2019 20:06:17	0.0	0.0	0.0	0.0
484	4/4/2019 20:06:47	0.0	0.0	0.0	0.0
485	4/4/2019 20:07:17	0.0	0.0	0.0	0.0
486	4/4/2019 20:07:47	0.0	0.0	0.0	0.0

487	4/4/2019 20:08:17	0.0	0.1	0.5	0.0
488	4/4/2019 20:08:47	0.0	0.0	0.0	0.0
489	4/4/2019 20:09:17	0.0	0.0	0.0	0.0
490	4/4/2019 20:09:47	0.0	0.0	0.0	0.0
491	4/4/2019 20:10:17	0.0	0.0	0.0	0.0
492	4/4/2019 20:10:47	0.0	0.0	0.0	0.0
493	4/4/2019 20:11:17	0.0	0.0	0.0	0.0
494	4/4/2019 20:11:47	0.0	0.0	0.0	0.0
495	4/4/2019 20:12:17	0.0	0.0	0.0	0.0
496	4/4/2019 20:12:47	0.0	0.0	0.0	0.0
497	4/4/2019 20:13:17	0.0	0.0	0.0	0.0
498	4/4/2019 20:13:47	0.0	0.0	0.0	0.0
499	4/4/2019 20:14:17	0.0	0.0	0.0	0.0
500	4/4/2019 20:14:47	0.0	0.0	0.0	0.0
501	4/4/2019 20:15:17	0.0	0.0	0.0	0.0
502	4/4/2019 20:15:47	0.0	0.0	0.0	0.0
503	4/4/2019 20:16:17	0.0	0.0	0.0	0.0
504	4/4/2019 20:16:47	0.0	0.0	0.0	0.0
505	4/4/2019 20:17:17	0.0	0.0	0.0	0.0
506	4/4/2019 20:17:47	0.0	0.0	0.0	0.0
507	4/4/2019 20:18:17	0.0	0.0	0.0	0.0
508	4/4/2019 20:18:47	0.0	0.0	0.0	0.0
509	4/4/2019 20:19:17	0.0	0.0	0.0	0.0
510	4/4/2019 20:19:47	0.0	0.0	0.0	0.0
511	4/4/2019 20:20:17	0.0	0.0	0.0	0.0
512	4/4/2019 20:20:47	0.0	0.0	0.0	0.0
513	4/4/2019 20:21:17	0.0	0.0	0.0	0.0
514	4/4/2019 20:21:47	0.0	0.0	0.0	0.0
515	4/4/2019 20:22:17	0.0	0.0	0.0	0.0
516	4/4/2019 20:22:47	0.0	0.0	0.0	0.0
517	4/4/2019 20:23:17	0.0	0.0	0.0	0.0
518	4/4/2019 20:23:47	0.0	0.0	0.0	0.0
519	4/4/2019 20:24:17	0.0	0.0	0.1	0.0
520	4/4/2019 20:24:47	0.0	0.0	0.0	0.0
521	4/4/2019 20:25:17	0.0	0.0	0.0	0.0
522	4/4/2019 20:25:47	0.0	0.0	0.0	0.0
523	4/4/2019 20:26:17	0.0	0.0	0.0	0.0
524	4/4/2019 20:26:47	0.0	0.0	0.0	0.0
525	4/4/2019 20:27:17	0.0	0.0	0.0	0.0
526	4/4/2019 20:27:47	0.0	0.0	0.0	0.0
527	4/4/2019 20:28:17	0.0	0.0	0.0	0.0
528	4/4/2019 20:28:47	0.0	0.0	0.0	0.0
529	4/4/2019 20:29:17	0.0	0.0	0.0	0.0
530	4/4/2019 20:29:47	0.0	0.0	0.0	0.0
531	4/4/2019 20:30:17	0.0	0.0	0.0	0.0
532	4/4/2019 20:30:47	0.0	0.0	0.0	0.0
533	4/4/2019 20:31:17	0.0	0.0	0.0	0.0
534	4/4/2019 20:31:47	0.0	0.0	0.0	0.0
535	4/4/2019 20:32:17	0.0	0.0	0.0	0.0
536	4/4/2019 20:32:47	0.0	0.0	0.0	0.0
537	4/4/2019 20:33:17	0.0	0.0	0.0	0.0
538	4/4/2019 20:33:47	0.0	0.0	0.0	0.0
539	4/4/2019 20:34:17	0.0	0.0	0.0	0.0
540	4/4/2019 20:34:47	0.0	0.0	0.0	0.0
541	4/4/2019 20:35:17	0.0	0.0	0.0	0.0
542	4/4/2019 20:35:47	0.0	0.0	0.0	0.0
543	4/4/2019 20:36:17	0.0	0.0	0.0	0.0

544	4/4/2019	20:36:47	0.0	0.0	0.0	0.0
545	4/4/2019	20:37:17	0.0	0.0	0.0	0.0
546	4/4/2019	20:37:47	0.0	0.0	0.0	0.0
547	4/4/2019	20:38:17	0.0	0.0	0.0	0.0
548	4/4/2019	20:38:47	0.0	0.0	0.0	0.0
549	4/4/2019	20:39:17	0.0	0.0	0.0	0.0
550	4/4/2019	20:39:47	0.0	0.1	0.3	0.0
551	4/4/2019	20:40:17	0.0	0.0	0.0	0.0
552	4/4/2019	20:40:47	0.0	0.0	0.0	0.0
553	4/4/2019	20:41:17	0.0	0.0	0.0	0.0
554	4/4/2019	20:41:47	0.0	0.0	0.0	0.0
555	4/4/2019	20:42:17	0.0	0.0	0.0	0.0
556	4/4/2019	20:42:47	0.0	0.0	0.0	0.0
557	4/4/2019	20:43:17	0.0	0.0	0.0	0.0
558	4/4/2019	20:43:47	0.0	0.0	0.0	0.0
559	4/4/2019	20:44:17	0.0	0.0	0.0	0.0
560	4/4/2019	20:44:47	0.0	0.0	0.0	0.0
561	4/4/2019	20:45:17	0.0	0.0	0.0	0.0
562	4/4/2019	20:45:47	0.0	0.0	0.0	0.0
563	4/4/2019	20:46:17	0.0	0.0	0.0	0.0
564	4/4/2019	20:46:47	0.0	0.0	0.0	0.0
565	4/4/2019	20:47:17	0.0	0.0	0.0	0.0
Peak			0.1	1.6	4.9	4.1
Min			0.0	0.0	0.0	0.0
Average				0.0	0.0	0.1	0.0

****

TWA/STEL

Index		PID(ppm) Date/Time	PID(ppm) (TWA)	(STEL)
001	4/4/2019	16:05:17	0.0	---
002	4/4/2019	16:05:47	0.0	---
003	4/4/2019	16:06:17	0.0	---
004	4/4/2019	16:06:47	0.0	---
005	4/4/2019	16:07:17	0.0	---
006	4/4/2019	16:07:47	0.0	---
007	4/4/2019	16:08:17	0.0	---
008	4/4/2019	16:08:47	0.0	---
009	4/4/2019	16:09:17	0.0	---
010	4/4/2019	16:09:47	0.0	---
011	4/4/2019	16:10:17	0.0	---
012	4/4/2019	16:10:47	0.0	---
013	4/4/2019	16:11:17	0.0	---
014	4/4/2019	16:11:47	0.0	---
015	4/4/2019	16:12:17	0.0	---
016	4/4/2019	16:12:47	0.0	---
017	4/4/2019	16:13:17	0.0	---
018	4/4/2019	16:13:47	0.0	---
019	4/4/2019	16:14:17	0.0	---
020	4/4/2019	16:14:47	0.0	---
021	4/4/2019	16:15:17	0.0	---
022	4/4/2019	16:15:47	0.0	---
023	4/4/2019	16:16:17	0.0	---
024	4/4/2019	16:16:47	0.0	---
025	4/4/2019	16:17:17	0.0	---
026	4/4/2019	16:17:47	0.0	---
027	4/4/2019	16:18:17	0.0	---

028	4/4/2019 16:18:47	0.0	---
029	4/4/2019 16:19:17	0.0	---
030	4/4/2019 16:19:47	0.0	0.3
031	4/4/2019 16:20:17	0.0	0.3
032	4/4/2019 16:20:47	0.0	0.3
033	4/4/2019 16:21:17	0.0	0.3
034	4/4/2019 16:21:47	0.0	0.3
035	4/4/2019 16:22:17	0.0	0.3
036	4/4/2019 16:22:47	0.0	0.3
037	4/4/2019 16:23:17	0.0	0.3
038	4/4/2019 16:23:47	0.0	0.3
039	4/4/2019 16:24:17	0.0	0.3
040	4/4/2019 16:24:47	0.0	0.3
041	4/4/2019 16:25:17	0.0	0.3
042	4/4/2019 16:25:47	0.0	0.3
043	4/4/2019 16:26:17	0.0	0.3
044	4/4/2019 16:26:47	0.0	0.3
045	4/4/2019 16:27:17	0.0	0.3
046	4/4/2019 16:27:47	0.0	0.3
047	4/4/2019 16:28:17	0.0	0.3
048	4/4/2019 16:28:47	0.0	0.3
049	4/4/2019 16:29:17	0.0	0.3
050	4/4/2019 16:29:47	0.0	0.3
051	4/4/2019 16:30:17	0.0	0.3
052	4/4/2019 16:30:47	0.0	0.3
053	4/4/2019 16:31:17	0.0	0.3
054	4/4/2019 16:31:47	0.0	0.2
055	4/4/2019 16:32:17	0.0	0.2
056	4/4/2019 16:32:47	0.0	0.1
057	4/4/2019 16:33:17	0.0	0.1
058	4/4/2019 16:33:47	0.0	0.1
059	4/4/2019 16:34:17	0.0	0.0
060	4/4/2019 16:34:47	0.0	0.0
061	4/4/2019 16:35:17	0.0	0.0
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069	4/4/2019 16:39:17	0.0	0.0
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117	4/4/2019 17:03:17	0.0	0.1
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119	4/4/2019 17:04:17	0.0	0.1
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430	4/4/2019 19:39:47	0.0	0.0
431	4/4/2019 19:40:17	0.0	0.0
432	4/4/2019 19:40:47	0.0	0.0
433	4/4/2019 19:41:17	0.0	0.0
434	4/4/2019 19:41:47	0.0	0.0
435	4/4/2019 19:42:17	0.0	0.0
436	4/4/2019 19:42:47	0.0	0.0
437	4/4/2019 19:43:17	0.0	0.0
438	4/4/2019 19:43:47	0.0	0.0
439	4/4/2019 19:44:17	0.0	0.0
440	4/4/2019 19:44:47	0.0	0.0
441	4/4/2019 19:45:17	0.0	0.0
442	4/4/2019 19:45:47	0.0	0.0
443	4/4/2019 19:46:17	0.0	0.0
444	4/4/2019 19:46:47	0.0	0.0
445	4/4/2019 19:47:17	0.0	0.0
446	4/4/2019 19:47:47	0.0	0.0
447	4/4/2019 19:48:17	0.0	0.0
448	4/4/2019 19:48:47	0.0	0.0
449	4/4/2019 19:49:17	0.0	0.0
450	4/4/2019 19:49:47	0.0	0.0
451	4/4/2019 19:50:17	0.0	0.0
452	4/4/2019 19:50:47	0.0	0.0
453	4/4/2019 19:51:17	0.0	0.0
454	4/4/2019 19:51:47	0.0	0.0
455	4/4/2019 19:52:17	0.0	0.0
456	4/4/2019 19:52:47	0.0	0.0
457	4/4/2019 19:53:17	0.0	0.0
458	4/4/2019 19:53:47	0.0	0.0
459	4/4/2019 19:54:17	0.0	0.0
460	4/4/2019 19:54:47	0.0	0.0
461	4/4/2019 19:55:17	0.0	0.0
462	4/4/2019 19:55:47	0.0	0.0
463	4/4/2019 19:56:17	0.0	0.0
464	4/4/2019 19:56:47	0.0	0.0
465	4/4/2019 19:57:17	0.0	0.0
466	4/4/2019 19:57:47	0.0	0.0
467	4/4/2019 19:58:17	0.0	0.0
468	4/4/2019 19:58:47	0.0	0.0
469	4/4/2019 19:59:17	0.0	0.0
470	4/4/2019 19:59:47	0.0	0.0
471	4/4/2019 20:00:17	0.0	0.0
472	4/4/2019 20:00:47	0.0	0.0
473	4/4/2019 20:01:17	0.0	0.0
474	4/4/2019 20:01:47	0.0	0.0
475	4/4/2019 20:02:17	0.0	0.0
476	4/4/2019 20:02:47	0.0	0.0
477	4/4/2019 20:03:17	0.0	0.0
478	4/4/2019 20:03:47	0.0	0.0
479	4/4/2019 20:04:17	0.0	0.0
480	4/4/2019 20:04:47	0.0	0.0
481	4/4/2019 20:05:17	0.0	0.0
482	4/4/2019 20:05:47	0.0	0.0
483	4/4/2019 20:06:17	0.0	0.0

484	4/4/2019 20:06:47	0.0	0.0
485	4/4/2019 20:07:17	0.0	0.0
486	4/4/2019 20:07:47	0.0	0.0
487	4/4/2019 20:08:17	0.0	0.0
488	4/4/2019 20:08:47	0.0	0.0
489	4/4/2019 20:09:17	0.0	0.0
490	4/4/2019 20:09:47	0.0	0.0
491	4/4/2019 20:10:17	0.0	0.0
492	4/4/2019 20:10:47	0.0	0.0
493	4/4/2019 20:11:17	0.0	0.0
494	4/4/2019 20:11:47	0.0	0.0
495	4/4/2019 20:12:17	0.0	0.0
496	4/4/2019 20:12:47	0.0	0.0
497	4/4/2019 20:13:17	0.0	0.0
498	4/4/2019 20:13:47	0.0	0.0
499	4/4/2019 20:14:17	0.0	0.0
500	4/4/2019 20:14:47	0.0	0.0
501	4/4/2019 20:15:17	0.0	0.0
502	4/4/2019 20:15:47	0.0	0.0
503	4/4/2019 20:16:17	0.0	0.0
504	4/4/2019 20:16:47	0.0	0.0
505	4/4/2019 20:17:17	0.0	0.0
506	4/4/2019 20:17:47	0.0	0.0
507	4/4/2019 20:18:17	0.0	0.0
508	4/4/2019 20:18:47	0.0	0.0
509	4/4/2019 20:19:17	0.0	0.0
510	4/4/2019 20:19:47	0.0	0.0
511	4/4/2019 20:20:17	0.0	0.0
512	4/4/2019 20:20:47	0.0	0.0
513	4/4/2019 20:21:17	0.0	0.0
514	4/4/2019 20:21:47	0.0	0.0
515	4/4/2019 20:22:17	0.0	0.0
516	4/4/2019 20:22:47	0.0	0.0
517	4/4/2019 20:23:17	0.0	0.0
518	4/4/2019 20:23:47	0.0	0.0
519	4/4/2019 20:24:17	0.0	0.0
520	4/4/2019 20:24:47	0.0	0.0
521	4/4/2019 20:25:17	0.0	0.0
522	4/4/2019 20:25:47	0.0	0.0
523	4/4/2019 20:26:17	0.0	0.0
524	4/4/2019 20:26:47	0.0	0.0
525	4/4/2019 20:27:17	0.0	0.0
526	4/4/2019 20:27:47	0.0	0.0
527	4/4/2019 20:28:17	0.0	0.0
528	4/4/2019 20:28:47	0.0	0.0
529	4/4/2019 20:29:17	0.0	0.0
530	4/4/2019 20:29:47	0.0	0.0
531	4/4/2019 20:30:17	0.0	0.0
532	4/4/2019 20:30:47	0.0	0.0
533	4/4/2019 20:31:17	0.0	0.0
534	4/4/2019 20:31:47	0.0	0.0
535	4/4/2019 20:32:17	0.0	0.0
536	4/4/2019 20:32:47	0.0	0.0
537	4/4/2019 20:33:17	0.0	0.0
538	4/4/2019 20:33:47	0.0	0.0
539	4/4/2019 20:34:17	0.0	0.0
540	4/4/2019 20:34:47	0.0	0.0

541	4/4/2019 20:35:17	0.0	0.0
542	4/4/2019 20:35:47	0.0	0.0
543	4/4/2019 20:36:17	0.0	0.0
544	4/4/2019 20:36:47	0.0	0.0
545	4/4/2019 20:37:17	0.0	0.0
546	4/4/2019 20:37:47	0.0	0.0
547	4/4/2019 20:38:17	0.0	0.0
548	4/4/2019 20:38:47	0.0	0.0
549	4/4/2019 20:39:17	0.0	0.0
550	4/4/2019 20:39:47	0.0	0.0
551	4/4/2019 20:40:17	0.0	0.0
552	4/4/2019 20:40:47	0.0	0.0
553	4/4/2019 20:41:17	0.0	0.0
554	4/4/2019 20:41:47	0.0	0.0
555	4/4/2019 20:42:17	0.0	0.0
556	4/4/2019 20:42:47	0.0	0.0
557	4/4/2019 20:43:17	0.0	0.0
558	4/4/2019 20:43:47	0.0	0.0
559	4/4/2019 20:44:17	0.0	0.0
560	4/4/2019 20:44:47	0.0	0.0
561	4/4/2019 20:45:17	0.0	0.0
562	4/4/2019 20:45:47	0.0	0.0
563	4/4/2019 20:46:17	0.0	0.0
564	4/4/2019 20:46:47	0.0	0.0
565	4/4/2019 20:47:17	0.0	0.0

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19/04/05 08:34

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910551
Unit Firmware Ver	V2.16

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

Site ID	00000037
User ID	00000001

Begin	4/5/2019 08:34:43
End	4/5/2019 08:37:18
Sample Period(s)	30
Number of Records	5

Sensor	PID(ppm)
Sensor SN	S023030476Q4
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	50.0
TWA Alarm	10.0

Measurement Gas Isobutylene
Calibration Time 4/4/2019 15:46
Peak 0.0
Min 0.0
Average 0.0

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Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/5/2019 08:35:13	0.0	0.0	0.0	0.0
002	4/5/2019 08:35:43	0.0	0.0	0.0	0.0
003	4/5/2019 08:36:13	0.0	0.0	0.0	0.0
004	4/5/2019 08:36:43	0.0	0.0	0.0	0.0
005	4/5/2019 08:37:13	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

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TWA/STEL

Index	PID(ppm) Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/5/2019 08:35:13	0.0	---
002	4/5/2019 08:35:43	0.0	---
003	4/5/2019 08:36:13	0.0	---
004	4/5/2019 08:36:43	0.0	---
005	4/5/2019 08:37:13	0.0	---

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19/04/05 08:56

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/5/2019 08:56:09
End 4/5/2019 14:07:17
Sample Period(s) 30
Number of Records 622

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/4/2019 15:46
Peak 0.5
Min 0.1
Average 0.2

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Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/5/2019 08:56:39	0.1	0.1	0.1	0.1
002	4/5/2019 08:57:09	0.1	0.1	0.1	0.1
003	4/5/2019 08:57:39	0.1	0.1	0.1	0.1
004	4/5/2019 08:58:09	0.1	0.1	0.1	0.1
005	4/5/2019 08:58:39	0.1	0.1	0.1	0.1
006	4/5/2019 08:59:09	0.1	0.1	0.1	0.1
007	4/5/2019 08:59:39	0.1	0.1	0.1	0.1
008	4/5/2019 09:00:09	0.1	0.1	0.1	0.1
009	4/5/2019 09:00:39	0.1	0.1	0.1	0.1
010	4/5/2019 09:01:09	0.1	0.1	0.1	0.1
011	4/5/2019 09:01:39	0.1	0.1	0.1	0.1
012	4/5/2019 09:02:09	0.1	0.1	0.1	0.1
013	4/5/2019 09:02:39	0.1	0.1	0.1	0.1
014	4/5/2019 09:03:09	0.1	0.1	0.1	0.1
015	4/5/2019 09:03:39	0.1	0.1	0.1	0.1
016	4/5/2019 09:04:09	0.1	0.1	0.1	0.1
017	4/5/2019 09:04:39	0.1	0.1	0.1	0.1
018	4/5/2019 09:05:09	0.1	0.1	0.1	0.1
019	4/5/2019 09:05:39	0.1	0.1	0.1	0.1
020	4/5/2019 09:06:09	0.1	0.1	0.1	0.1
021	4/5/2019 09:06:39	0.1	0.1	0.1	0.1
022	4/5/2019 09:07:09	0.1	0.1	0.1	0.1
023	4/5/2019 09:07:39	0.1	0.1	0.1	0.1
024	4/5/2019 09:08:09	0.1	0.1	0.1	0.1
025	4/5/2019 09:08:39	0.1	0.1	0.1	0.1
026	4/5/2019 09:09:09	0.1	0.1	0.1	0.1
027	4/5/2019 09:09:39	0.1	0.1	0.1	0.1
028	4/5/2019 09:10:09	0.1	0.1	0.1	0.1
029	4/5/2019 09:10:39	0.1	0.1	0.1	0.1
030	4/5/2019 09:11:09	0.1	0.1	0.1	0.1
031	4/5/2019 09:11:39	0.1	0.1	0.2	0.2
032	4/5/2019 09:12:09	0.2	0.2	0.3	0.2
033	4/5/2019 09:12:39	0.1	0.1	0.2	0.1
034	4/5/2019 09:13:09	0.1	0.1	0.1	0.1
035	4/5/2019 09:13:39	0.1	0.1	0.1	0.1
036	4/5/2019 09:14:09	0.1	0.1	0.1	0.1
037	4/5/2019 09:14:39	0.1	0.1	0.1	0.1
038	4/5/2019 09:15:09	0.1	0.1	0.1	0.1
039	4/5/2019 09:15:39	0.1	0.1	0.1	0.1
040	4/5/2019 09:16:09	0.1	0.1	0.1	0.1
041	4/5/2019 09:16:39	0.1	0.1	0.1	0.1
042	4/5/2019 09:17:09	0.1	0.1	0.1	0.1
043	4/5/2019 09:17:39	0.1	0.1	0.1	0.1
044	4/5/2019 09:18:09	0.1	0.1	0.1	0.1

045	4/5/2019 09:18:39	0.1	0.1	0.1	0.1
046	4/5/2019 09:19:09	0.1	0.1	0.1	0.1
047	4/5/2019 09:19:39	0.1	0.1	0.1	0.1
048	4/5/2019 09:20:09	0.1	0.1	0.1	0.1
049	4/5/2019 09:20:39	0.1	0.2	0.2	0.2
050	4/5/2019 09:21:09	0.2	0.2	0.3	0.2
051	4/5/2019 09:21:39	0.1	0.1	0.2	0.1
052	4/5/2019 09:22:09	0.1	0.1	0.1	0.1
053	4/5/2019 09:22:39	0.1	0.1	0.1	0.1
054	4/5/2019 09:23:09	0.1	0.1	0.1	0.1
055	4/5/2019 09:23:39	0.1	0.1	0.1	0.1
056	4/5/2019 09:24:09	0.1	0.1	0.1	0.1
057	4/5/2019 09:24:39	0.1	0.1	0.1	0.1
058	4/5/2019 09:25:09	0.1	0.1	0.1	0.1
059	4/5/2019 09:25:39	0.1	0.1	0.1	0.1
060	4/5/2019 09:26:09	0.1	0.1	0.1	0.1
061	4/5/2019 09:26:39	0.1	0.1	0.1	0.1
062	4/5/2019 09:27:09	0.1	0.1	0.1	0.1
063	4/5/2019 09:27:39	0.1	0.1	0.1	0.1
064	4/5/2019 09:28:09	0.1	0.1	0.2	0.1
065	4/5/2019 09:28:39	0.1	0.1	0.1	0.1
066	4/5/2019 09:29:09	0.1	0.1	0.1	0.1
067	4/5/2019 09:29:39	0.1	0.2	0.2	0.1
068	4/5/2019 09:30:09	0.1	0.1	0.1	0.1
069	4/5/2019 09:30:39	0.1	0.1	0.2	0.2
070	4/5/2019 09:31:09	0.2	0.2	0.2	0.2
071	4/5/2019 09:31:39	0.1	0.1	0.2	0.1
072	4/5/2019 09:32:09	0.1	0.1	0.1	0.1
073	4/5/2019 09:32:39	0.1	0.1	0.2	0.1
074	4/5/2019 09:33:09	0.1	0.1	0.1	0.1
075	4/5/2019 09:33:39	0.1	0.1	0.2	0.2
076	4/5/2019 09:34:09	0.2	0.2	0.2	0.2
077	4/5/2019 09:34:39	0.2	0.2	0.2	0.2
078	4/5/2019 09:35:09	0.1	0.1	0.2	0.1
079	4/5/2019 09:35:39	0.1	0.1	0.2	0.1
080	4/5/2019 09:36:09	0.1	0.1	0.2	0.1
081	4/5/2019 09:36:39	0.1	0.1	0.1	0.1
082	4/5/2019 09:37:09	0.1	0.2	0.2	0.1
083	4/5/2019 09:37:39	0.1	0.1	0.1	0.1
084	4/5/2019 09:38:09	0.1	0.1	0.1	0.1
085	4/5/2019 09:38:39	0.1	0.1	0.1	0.1
086	4/5/2019 09:39:09	0.1	0.2	0.2	0.2
087	4/5/2019 09:39:39	0.2	0.2	0.2	0.2
088	4/5/2019 09:40:09	0.2	0.2	0.2	0.2
089	4/5/2019 09:40:39	0.2	0.2	0.2	0.2
090	4/5/2019 09:41:09	0.2	0.2	0.2	0.2
091	4/5/2019 09:41:39	0.2	0.2	0.2	0.2
092	4/5/2019 09:42:09	0.2	0.2	0.2	0.2
093	4/5/2019 09:42:39	0.2	0.2	0.2	0.2
094	4/5/2019 09:43:09	0.2	0.2	0.2	0.2
095	4/5/2019 09:43:39	0.2	0.2	0.2	0.2
096	4/5/2019 09:44:09	0.2	0.2	0.2	0.2
097	4/5/2019 09:44:39	0.1	0.2	0.2	0.1
098	4/5/2019 09:45:09	0.1	0.2	0.2	0.2
099	4/5/2019 09:45:39	0.2	0.2	0.2	0.2
100	4/5/2019 09:46:09	0.2	0.2	0.2	0.2
101	4/5/2019 09:46:39	0.2	0.2	0.2	0.2

102	4/5/2019 09:47:09	0.2	0.2	0.2	0.2
103	4/5/2019 09:47:39	0.2	0.2	0.2	0.2
104	4/5/2019 09:48:09	0.2	0.2	0.2	0.2
105	4/5/2019 09:48:39	0.2	0.2	0.2	0.2
106	4/5/2019 09:49:09	0.1	0.2	0.2	0.2
107	4/5/2019 09:49:39	0.1	0.2	0.2	0.2
108	4/5/2019 09:50:09	0.2	0.2	0.2	0.2
109	4/5/2019 09:50:39	0.2	0.2	0.2	0.2
110	4/5/2019 09:51:09	0.2	0.2	0.2	0.2
111	4/5/2019 09:51:39	0.2	0.2	0.2	0.2
112	4/5/2019 09:52:09	0.2	0.2	0.2	0.2
113	4/5/2019 09:52:39	0.2	0.2	0.2	0.2
114	4/5/2019 09:53:09	0.2	0.2	0.2	0.2
115	4/5/2019 09:53:39	0.2	0.2	0.2	0.2
116	4/5/2019 09:54:09	0.2	0.2	0.2	0.2
117	4/5/2019 09:54:39	0.2	0.2	0.2	0.2
118	4/5/2019 09:55:09	0.2	0.2	0.2	0.2
119	4/5/2019 09:55:39	0.2	0.2	0.2	0.2
120	4/5/2019 09:56:09	0.2	0.2	0.2	0.2
121	4/5/2019 09:56:39	0.2	0.2	0.2	0.2
122	4/5/2019 09:57:09	0.2	0.2	0.2	0.2
123	4/5/2019 09:57:39	0.2	0.2	0.2	0.2
124	4/5/2019 09:58:09	0.2	0.2	0.2	0.2
125	4/5/2019 09:58:39	0.2	0.2	0.2	0.2
126	4/5/2019 09:59:09	0.2	0.2	0.2	0.2
127	4/5/2019 09:59:39	0.2	0.2	0.2	0.2
128	4/5/2019 10:00:09	0.2	0.2	0.2	0.2
129	4/5/2019 10:00:39	0.2	0.2	0.2	0.2
130	4/5/2019 10:01:09	0.2	0.2	0.2	0.2
131	4/5/2019 10:01:39	0.2	0.2	0.2	0.2
132	4/5/2019 10:02:09	0.2	0.2	0.2	0.2
133	4/5/2019 10:02:39	0.2	0.2	0.2	0.2
134	4/5/2019 10:03:09	0.2	0.2	0.2	0.2
135	4/5/2019 10:03:39	0.2	0.2	0.2	0.2
136	4/5/2019 10:04:09	0.2	0.2	0.2	0.2
137	4/5/2019 10:04:39	0.2	0.2	0.2	0.2
138	4/5/2019 10:05:09	0.2	0.2	0.2	0.2
139	4/5/2019 10:05:39	0.2	0.2	0.2	0.2
140	4/5/2019 10:06:09	0.2	0.2	0.2	0.2
141	4/5/2019 10:06:39	0.2	0.2	0.2	0.2
142	4/5/2019 10:07:09	0.2	0.2	0.2	0.2
143	4/5/2019 10:07:39	0.2	0.2	0.2	0.2
144	4/5/2019 10:08:09	0.2	0.2	0.2	0.2
145	4/5/2019 10:08:39	0.2	0.2	0.2	0.2
146	4/5/2019 10:09:09	0.2	0.2	0.2	0.2
147	4/5/2019 10:09:39	0.2	0.2	0.2	0.2
148	4/5/2019 10:10:09	0.2	0.2	0.2	0.2
149	4/5/2019 10:10:39	0.2	0.2	0.2	0.2
150	4/5/2019 10:11:09	0.2	0.2	0.2	0.2
151	4/5/2019 10:11:39	0.2	0.2	0.2	0.2
152	4/5/2019 10:12:09	0.2	0.2	0.2	0.2
153	4/5/2019 10:12:39	0.2	0.2	0.2	0.2
154	4/5/2019 10:13:09	0.2	0.2	0.2	0.2
155	4/5/2019 10:13:39	0.2	0.2	0.2	0.2
156	4/5/2019 10:14:09	0.2	0.2	0.2	0.2
157	4/5/2019 10:14:39	0.2	0.2	0.2	0.2
158	4/5/2019 10:15:09	0.2	0.2	0.2	0.2

159	4/5/2019	10:15:39	0.2	0.2	0.2	0.2
160	4/5/2019	10:16:09	0.2	0.2	0.2	0.2
161	4/5/2019	10:16:39	0.2	0.2	0.2	0.2
162	4/5/2019	10:17:09	0.2	0.2	0.2	0.2
163	4/5/2019	10:17:39	0.2	0.2	0.2	0.2
164	4/5/2019	10:18:09	0.2	0.2	0.2	0.2
165	4/5/2019	10:18:39	0.2	0.2	0.2	0.2
166	4/5/2019	10:19:09	0.2	0.2	0.2	0.2
167	4/5/2019	10:19:39	0.2	0.2	0.2	0.2
168	4/5/2019	10:20:09	0.2	0.2	0.2	0.2
169	4/5/2019	10:20:39	0.2	0.2	0.2	0.2
170	4/5/2019	10:21:09	0.2	0.2	0.2	0.2
171	4/5/2019	10:21:39	0.2	0.2	0.2	0.2
172	4/5/2019	10:22:09	0.2	0.2	0.2	0.2
173	4/5/2019	10:22:39	0.2	0.2	0.2	0.2
174	4/5/2019	10:23:09	0.2	0.2	0.2	0.2
175	4/5/2019	10:23:39	0.2	0.2	0.2	0.2
176	4/5/2019	10:24:09	0.2	0.2	0.2	0.2
177	4/5/2019	10:24:39	0.2	0.2	0.2	0.2
178	4/5/2019	10:25:09	0.2	0.2	0.2	0.2
179	4/5/2019	10:25:39	0.2	0.2	0.2	0.2
180	4/5/2019	10:26:09	0.2	0.2	0.2	0.2
181	4/5/2019	10:26:39	0.2	0.2	0.2	0.2
182	4/5/2019	10:27:09	0.2	0.2	0.2	0.2
183	4/5/2019	10:27:39	0.2	0.2	0.2	0.2
184	4/5/2019	10:28:09	0.2	0.2	0.2	0.2
185	4/5/2019	10:28:39	0.2	0.2	0.2	0.2
186	4/5/2019	10:29:09	0.2	0.2	0.2	0.2
187	4/5/2019	10:29:39	0.2	0.2	0.2	0.2
188	4/5/2019	10:30:09	0.2	0.2	0.2	0.2
189	4/5/2019	10:30:39	0.2	0.2	0.2	0.2
190	4/5/2019	10:31:09	0.2	0.2	0.2	0.2
191	4/5/2019	10:31:39	0.2	0.2	0.2	0.2
192	4/5/2019	10:32:09	0.2	0.2	0.2	0.2
193	4/5/2019	10:32:39	0.2	0.2	0.2	0.2
194	4/5/2019	10:33:09	0.2	0.2	0.2	0.2
195	4/5/2019	10:33:39	0.2	0.2	0.2	0.2
196	4/5/2019	10:34:09	0.2	0.2	0.2	0.2
197	4/5/2019	10:34:39	0.2	0.2	0.2	0.2
198	4/5/2019	10:35:09	0.2	0.2	0.2	0.2
199	4/5/2019	10:35:39	0.2	0.2	0.2	0.2
200	4/5/2019	10:36:09	0.2	0.2	0.2	0.2
201	4/5/2019	10:36:39	0.2	0.2	0.2	0.2
202	4/5/2019	10:37:09	0.2	0.2	0.2	0.2
203	4/5/2019	10:37:39	0.2	0.2	0.2	0.2
204	4/5/2019	10:38:09	0.2	0.2	0.2	0.2
205	4/5/2019	10:38:39	0.2	0.2	0.2	0.2
206	4/5/2019	10:39:09	0.2	0.2	0.2	0.2
207	4/5/2019	10:39:39	0.2	0.2	0.2	0.2
208	4/5/2019	10:40:09	0.2	0.2	0.2	0.2
209	4/5/2019	10:40:39	0.2	0.2	0.2	0.2
210	4/5/2019	10:41:09	0.2	0.2	0.2	0.2
211	4/5/2019	10:41:39	0.2	0.3	0.6	0.5
212	4/5/2019	10:42:09	0.2	0.3	0.4	0.4
213	4/5/2019	10:42:39	0.2	0.3	0.4	0.2
214	4/5/2019	10:43:09	0.2	0.2	0.2	0.2
215	4/5/2019	10:43:39	0.2	0.2	0.2	0.2

216	4/5/2019	10:44:09	0.2	0.2	0.2	0.2
217	4/5/2019	10:44:39	0.2	0.2	0.2	0.2
218	4/5/2019	10:45:09	0.2	0.2	0.2	0.2
219	4/5/2019	10:45:39	0.2	0.2	0.2	0.2
220	4/5/2019	10:46:09	0.2	0.2	0.2	0.2
221	4/5/2019	10:46:39	0.2	0.2	0.2	0.2
222	4/5/2019	10:47:09	0.2	0.2	0.2	0.2
223	4/5/2019	10:47:39	0.2	0.2	0.2	0.2
224	4/5/2019	10:48:09	0.2	0.2	0.2	0.2
225	4/5/2019	10:48:39	0.2	0.2	0.2	0.2
226	4/5/2019	10:49:09	0.2	0.2	0.2	0.2
227	4/5/2019	10:49:39	0.2	0.2	0.2	0.2
228	4/5/2019	10:50:09	0.2	0.2	0.2	0.2
229	4/5/2019	10:50:39	0.2	0.2	0.2	0.2
230	4/5/2019	10:51:09	0.2	0.2	0.2	0.2
231	4/5/2019	10:51:39	0.2	0.2	0.2	0.2
232	4/5/2019	10:52:09	0.2	0.2	0.2	0.2
233	4/5/2019	10:52:39	0.2	0.2	0.2	0.2
234	4/5/2019	10:53:09	0.2	0.2	0.2	0.2
235	4/5/2019	10:53:39	0.2	0.2	0.3	0.2
236	4/5/2019	10:54:09	0.2	0.2	0.2	0.2
237	4/5/2019	10:54:39	0.2	0.2	0.2	0.2
238	4/5/2019	10:55:09	0.2	0.2	0.2	0.2
239	4/5/2019	10:55:39	0.2	0.2	0.2	0.2
240	4/5/2019	10:56:09	0.2	0.3	0.3	0.3
241	4/5/2019	10:56:39	0.3	0.3	0.3	0.3
242	4/5/2019	10:57:09	0.2	0.2	0.3	0.2
243	4/5/2019	10:57:39	0.2	0.2	0.2	0.2
244	4/5/2019	10:58:09	0.2	0.2	0.2	0.2
245	4/5/2019	10:58:39	0.2	0.2	0.2	0.2
246	4/5/2019	10:59:09	0.2	0.2	0.2	0.2
247	4/5/2019	10:59:39	0.2	0.2	0.2	0.2
248	4/5/2019	11:00:09	0.2	0.2	0.2	0.2
249	4/5/2019	11:00:39	0.2	0.2	0.2	0.2
250	4/5/2019	11:01:09	0.2	0.2	0.2	0.2
251	4/5/2019	11:01:39	0.2	0.2	0.2	0.2
252	4/5/2019	11:02:09	0.2	0.2	0.2	0.2
253	4/5/2019	11:02:39	0.2	0.2	0.2	0.2
254	4/5/2019	11:03:09	0.2	0.2	0.2	0.2
255	4/5/2019	11:03:39	0.2	0.2	0.3	0.2
256	4/5/2019	11:04:09	0.2	0.2	0.2	0.2
257	4/5/2019	11:04:39	0.2	0.2	0.3	0.3
258	4/5/2019	11:05:09	0.2	0.2	0.3	0.2
259	4/5/2019	11:05:39	0.2	0.2	0.3	0.2
260	4/5/2019	11:06:09	0.2	0.2	0.2	0.2
261	4/5/2019	11:06:39	0.2	0.2	0.2	0.2
262	4/5/2019	11:07:09	0.2	0.2	0.2	0.2
263	4/5/2019	11:07:39	0.2	0.2	0.3	0.3
264	4/5/2019	11:08:09	0.2	0.2	0.3	0.2
265	4/5/2019	11:08:39	0.2	0.2	0.2	0.2
266	4/5/2019	11:09:09	0.2	0.2	0.2	0.2
267	4/5/2019	11:09:39	0.2	0.2	0.2	0.2
268	4/5/2019	11:10:09	0.2	0.2	0.2	0.2
269	4/5/2019	11:10:39	0.2	0.2	0.2	0.2
270	4/5/2019	11:11:09	0.2	0.2	0.2	0.2
271	4/5/2019	11:11:39	0.2	0.2	0.3	0.3
272	4/5/2019	11:12:09	0.3	0.3	0.3	0.3

273	4/5/2019	11:12:39	0.2	0.3	0.3	0.2
274	4/5/2019	11:13:09	0.2	0.2	0.2	0.2
275	4/5/2019	11:13:39	0.2	0.2	0.2	0.2
276	4/5/2019	11:14:09	0.2	0.2	0.2	0.2
277	4/5/2019	11:14:39	0.2	0.2	0.2	0.2
278	4/5/2019	11:15:09	0.2	0.2	0.2	0.2
279	4/5/2019	11:15:39	0.2	0.2	0.2	0.2
280	4/5/2019	11:16:09	0.2	0.2	0.2	0.2
281	4/5/2019	11:16:39	0.2	0.2	0.2	0.2
282	4/5/2019	11:17:09	0.2	0.2	0.2	0.2
283	4/5/2019	11:17:39	0.2	0.2	0.2	0.2
284	4/5/2019	11:18:09	0.2	0.2	0.2	0.2
285	4/5/2019	11:18:39	0.2	0.2	0.2	0.2
286	4/5/2019	11:19:09	0.2	0.2	0.2	0.2
287	4/5/2019	11:19:39	0.2	0.2	0.2	0.2
288	4/5/2019	11:20:09	0.2	0.2	0.2	0.2
289	4/5/2019	11:20:39	0.2	0.2	0.2	0.2
290	4/5/2019	11:21:09	0.2	0.2	0.2	0.2
291	4/5/2019	11:21:39	0.2	0.2	0.2	0.2
292	4/5/2019	11:22:09	0.2	0.2	0.2	0.2
293	4/5/2019	11:22:39	0.2	0.2	0.3	0.3
294	4/5/2019	11:23:09	0.3	0.3	0.3	0.3
295	4/5/2019	11:23:39	0.3	0.3	0.3	0.3
296	4/5/2019	11:24:09	0.3	0.3	0.3	0.3
297	4/5/2019	11:24:39	0.2	0.2	0.3	0.2
298	4/5/2019	11:25:09	0.2	0.2	0.2	0.2
299	4/5/2019	11:25:39	0.2	0.2	0.3	0.2
300	4/5/2019	11:26:09	0.2	0.2	0.2	0.2
301	4/5/2019	11:26:39	0.2	0.2	0.2	0.2
302	4/5/2019	11:27:09	0.2	0.2	0.2	0.2
303	4/5/2019	11:27:39	0.2	0.2	0.2	0.2
304	4/5/2019	11:28:09	0.2	0.2	0.2	0.2
305	4/5/2019	11:28:39	0.2	0.2	0.2	0.2
306	4/5/2019	11:29:09	0.2	0.2	0.3	0.3
307	4/5/2019	11:29:39	0.2	0.3	0.3	0.2
308	4/5/2019	11:30:09	0.2	0.2	0.2	0.2
309	4/5/2019	11:30:39	0.2	0.2	0.3	0.3
310	4/5/2019	11:31:09	0.3	0.3	0.3	0.3
311	4/5/2019	11:31:39	0.3	0.3	0.3	0.3
312	4/5/2019	11:32:09	0.3	0.3	0.3	0.3
313	4/5/2019	11:32:39	0.3	0.3	0.3	0.3
314	4/5/2019	11:33:09	0.3	0.3	0.3	0.3
315	4/5/2019	11:33:39	0.2	0.2	0.3	0.2
316	4/5/2019	11:34:09	0.2	0.3	0.3	0.3
317	4/5/2019	11:34:39	0.2	0.2	0.2	0.2
318	4/5/2019	11:35:09	0.2	0.2	0.3	0.3
319	4/5/2019	11:35:39	0.2	0.3	0.3	0.2
320	4/5/2019	11:36:09	0.2	0.2	0.3	0.2
321	4/5/2019	11:36:39	0.2	0.2	0.3	0.3
322	4/5/2019	11:37:09	0.2	0.2	0.3	0.2
323	4/5/2019	11:37:39	0.2	0.2	0.3	0.2
324	4/5/2019	11:38:09	0.2	0.2	0.2	0.2
325	4/5/2019	11:38:39	0.2	0.2	0.2	0.2
326	4/5/2019	11:39:09	0.2	0.2	0.2	0.2
327	4/5/2019	11:39:39	0.2	0.2	0.2	0.2
328	4/5/2019	11:40:09	0.2	0.2	0.2	0.2
329	4/5/2019	11:40:39	0.2	0.2	0.3	0.2

330	4/5/2019 11:41:09	0.2	0.2	0.3	0.2
331	4/5/2019 11:41:39	0.2	0.2	0.2	0.2
332	4/5/2019 11:42:09	0.2	0.2	0.3	0.2
333	4/5/2019 11:42:39	0.2	0.2	0.2	0.2
334	4/5/2019 11:43:09	0.2	0.2	0.2	0.2
335	4/5/2019 11:43:39	0.2	0.2	0.2	0.2
336	4/5/2019 11:44:09	0.2	0.2	0.3	0.3
337	4/5/2019 11:44:39	0.2	0.2	0.3	0.2
338	4/5/2019 11:45:09	0.2	0.2	0.2	0.2
339	4/5/2019 11:45:39	0.2	0.2	0.2	0.2
340	4/5/2019 11:46:09	0.2	0.2	0.3	0.3
341	4/5/2019 11:46:39	0.2	0.3	0.3	0.2
342	4/5/2019 11:47:09	0.2	0.2	0.3	0.2
343	4/5/2019 11:47:39	0.2	0.3	0.3	0.3
344	4/5/2019 11:48:09	0.2	0.3	0.3	0.3
345	4/5/2019 11:48:39	0.2	0.2	0.3	0.2
346	4/5/2019 11:49:09	0.2	0.2	0.2	0.2
347	4/5/2019 11:49:39	0.2	0.2	0.2	0.2
348	4/5/2019 11:50:09	0.2	0.2	0.2	0.2
349	4/5/2019 11:50:39	0.2	0.2	0.2	0.2
350	4/5/2019 11:51:09	0.2	0.2	0.3	0.2
351	4/5/2019 11:51:39	0.2	0.2	0.3	0.2
352	4/5/2019 11:52:09	0.2	0.2	0.3	0.2
353	4/5/2019 11:52:39	0.2	0.2	0.2	0.2
354	4/5/2019 11:53:09	0.2	0.2	0.2	0.2
355	4/5/2019 11:53:39	0.2	0.2	0.2	0.2
356	4/5/2019 11:54:09	0.2	0.2	0.3	0.2
357	4/5/2019 11:54:39	0.2	0.2	0.2	0.2
358	4/5/2019 11:55:09	0.2	0.2	0.3	0.2
359	4/5/2019 11:55:39	0.2	0.2	0.3	0.2
360	4/5/2019 11:56:09	0.2	0.2	0.2	0.2
361	4/5/2019 11:56:39	0.2	0.2	0.2	0.2
362	4/5/2019 11:57:09	0.2	0.2	0.2	0.2
363	4/5/2019 11:57:39	0.2	0.2	0.2	0.2
364	4/5/2019 11:58:09	0.2	0.2	0.3	0.2
365	4/5/2019 11:58:39	0.2	0.2	0.3	0.2
366	4/5/2019 11:59:09	0.2	0.2	0.2	0.2
367	4/5/2019 11:59:39	0.2	0.2	0.3	0.2
368	4/5/2019 12:00:09	0.2	0.3	0.3	0.3
369	4/5/2019 12:00:39	0.2	0.2	0.3	0.2
370	4/5/2019 12:01:09	0.2	0.3	0.3	0.3
371	4/5/2019 12:01:39	0.2	0.3	0.3	0.3
372	4/5/2019 12:02:09	0.2	0.2	0.3	0.2
373	4/5/2019 12:02:39	0.2	0.2	0.3	0.2
374	4/5/2019 12:03:09	0.2	0.2	0.2	0.2
375	4/5/2019 12:03:39	0.2	0.2	0.3	0.2
376	4/5/2019 12:04:09	0.2	0.2	0.3	0.2
377	4/5/2019 12:04:39	0.2	0.2	0.2	0.2
378	4/5/2019 12:05:09	0.2	0.2	0.3	0.2
379	4/5/2019 12:05:39	0.2	0.2	0.3	0.2
380	4/5/2019 12:06:09	0.2	0.2	0.2	0.2
381	4/5/2019 12:06:39	0.2	0.2	0.2	0.2
382	4/5/2019 12:07:09	0.2	0.2	0.2	0.2
383	4/5/2019 12:07:39	0.2	0.3	0.3	0.2
384	4/5/2019 12:08:09	0.2	0.3	0.3	0.3
385	4/5/2019 12:08:39	0.2	0.3	0.3	0.3
386	4/5/2019 12:09:09	0.3	0.3	0.3	0.3

387	4/5/2019 12:09:39	0.2	0.3	0.3	0.2
388	4/5/2019 12:10:09	0.2	0.3	0.3	0.3
389	4/5/2019 12:10:39	0.2	0.3	0.3	0.3
390	4/5/2019 12:11:09	0.2	0.3	0.3	0.3
391	4/5/2019 12:11:39	0.3	0.3	0.3	0.3
392	4/5/2019 12:12:09	0.3	0.3	0.3	0.3
393	4/5/2019 12:12:39	0.3	0.3	0.3	0.3
394	4/5/2019 12:13:09	0.2	0.3	0.3	0.2
395	4/5/2019 12:13:39	0.2	0.3	0.3	0.3
396	4/5/2019 12:14:09	0.2	0.3	0.3	0.3
397	4/5/2019 12:14:39	0.2	0.3	0.3	0.3
398	4/5/2019 12:15:09	0.2	0.3	0.3	0.3
399	4/5/2019 12:15:39	0.2	0.3	0.3	0.3
400	4/5/2019 12:16:09	0.3	0.3	0.3	0.3
401	4/5/2019 12:16:39	0.2	0.2	0.3	0.2
402	4/5/2019 12:17:09	0.2	0.3	0.3	0.2
403	4/5/2019 12:17:39	0.2	0.3	0.3	0.3
404	4/5/2019 12:18:09	0.3	0.3	0.3	0.3
405	4/5/2019 12:18:39	0.2	0.2	0.3	0.2
406	4/5/2019 12:19:09	0.2	0.3	0.3	0.3
407	4/5/2019 12:19:39	0.3	0.3	0.3	0.3
408	4/5/2019 12:20:09	0.2	0.3	0.3	0.3
409	4/5/2019 12:20:39	0.2	0.3	0.3	0.3
410	4/5/2019 12:21:09	0.3	0.3	0.3	0.3
411	4/5/2019 12:21:39	0.3	0.3	0.3	0.3
412	4/5/2019 12:22:09	0.3	0.3	0.3	0.3
413	4/5/2019 12:22:39	0.3	0.3	0.3	0.3
414	4/5/2019 12:23:09	0.3	0.3	0.3	0.3
415	4/5/2019 12:23:39	0.3	0.3	0.3	0.3
416	4/5/2019 12:24:09	0.3	0.3	0.3	0.3
417	4/5/2019 12:24:39	0.3	0.3	0.3	0.3
418	4/5/2019 12:25:09	0.3	0.3	0.3	0.3
419	4/5/2019 12:25:39	0.2	0.3	0.3	0.2
420	4/5/2019 12:26:09	0.2	0.3	0.3	0.3
421	4/5/2019 12:26:39	0.2	0.3	0.3	0.3
422	4/5/2019 12:27:09	0.2	0.3	0.3	0.3
423	4/5/2019 12:27:39	0.2	0.3	0.3	0.3
424	4/5/2019 12:28:09	0.3	0.3	0.3	0.3
425	4/5/2019 12:28:39	0.3	0.3	0.3	0.3
426	4/5/2019 12:29:09	0.2	0.3	0.3	0.3
427	4/5/2019 12:29:39	0.2	0.3	0.3	0.2
428	4/5/2019 12:30:09	0.2	0.2	0.3	0.3
429	4/5/2019 12:30:39	0.2	0.3	0.3	0.3
430	4/5/2019 12:31:09	0.3	0.3	0.3	0.3
431	4/5/2019 12:31:39	0.2	0.3	0.3	0.3
432	4/5/2019 12:32:09	0.3	0.3	0.3	0.3
433	4/5/2019 12:32:39	0.2	0.3	0.3	0.3
434	4/5/2019 12:33:09	0.3	0.3	0.3	0.3
435	4/5/2019 12:33:39	0.3	0.3	0.3	0.3
436	4/5/2019 12:34:09	0.3	0.3	0.3	0.3
437	4/5/2019 12:34:39	0.3	0.3	0.3	0.3
438	4/5/2019 12:35:09	0.3	0.3	0.3	0.3
439	4/5/2019 12:35:39	0.3	0.3	0.3	0.3
440	4/5/2019 12:36:09	0.3	0.3	0.3	0.3
441	4/5/2019 12:36:39	0.3	0.3	0.3	0.3
442	4/5/2019 12:37:09	0.2	0.3	0.3	0.3
443	4/5/2019 12:37:39	0.2	0.3	0.3	0.3

444	4/5/2019 12:38:09	0.3	0.3	0.3	0.3
445	4/5/2019 12:38:39	0.3	0.3	0.3	0.3
446	4/5/2019 12:39:09	0.3	0.3	0.3	0.3
447	4/5/2019 12:39:39	0.3	0.3	0.3	0.3
448	4/5/2019 12:40:09	0.3	0.3	0.3	0.3
449	4/5/2019 12:40:39	0.3	0.4	0.5	0.5
450	4/5/2019 12:41:09	0.3	0.4	0.6	0.3
451	4/5/2019 12:41:39	0.3	0.3	0.3	0.3
452	4/5/2019 12:42:09	0.3	0.3	0.3	0.3
453	4/5/2019 12:42:39	0.3	0.3	0.3	0.3
454	4/5/2019 12:43:09	0.3	0.3	0.3	0.3
455	4/5/2019 12:43:39	0.3	0.3	0.3	0.3
456	4/5/2019 12:44:09	0.3	0.3	0.3	0.3
457	4/5/2019 12:44:39	0.3	0.3	0.3	0.3
458	4/5/2019 12:45:09	0.3	0.3	0.3	0.3
459	4/5/2019 12:45:39	0.3	0.3	0.3	0.3
460	4/5/2019 12:46:09	0.3	0.3	0.3	0.3
461	4/5/2019 12:46:39	0.3	0.3	0.3	0.3
462	4/5/2019 12:47:09	0.3	0.3	0.3	0.3
463	4/5/2019 12:47:39	0.3	0.3	0.3	0.3
464	4/5/2019 12:48:09	0.3	0.3	0.3	0.3
465	4/5/2019 12:48:39	0.3	0.3	0.3	0.3
466	4/5/2019 12:49:09	0.3	0.3	0.3	0.3
467	4/5/2019 12:49:39	0.3	0.3	0.3	0.3
468	4/5/2019 12:50:09	0.3	0.3	0.3	0.3
469	4/5/2019 12:50:39	0.3	0.3	0.3	0.3
470	4/5/2019 12:51:09	0.3	0.3	0.3	0.3
471	4/5/2019 12:51:39	0.3	0.3	0.3	0.3
472	4/5/2019 12:52:09	0.3	0.3	0.4	0.3
473	4/5/2019 12:52:39	0.3	0.3	0.3	0.3
474	4/5/2019 12:53:09	0.3	0.3	0.3	0.3
475	4/5/2019 12:53:39	0.3	0.3	0.3	0.3
476	4/5/2019 12:54:09	0.3	0.3	0.3	0.3
477	4/5/2019 12:54:39	0.3	0.3	0.3	0.3
478	4/5/2019 12:55:09	0.3	0.3	0.3	0.3
479	4/5/2019 12:55:39	0.3	0.3	0.3	0.3
480	4/5/2019 12:56:09	0.3	0.3	0.3	0.3
481	4/5/2019 12:56:39	0.3	0.3	0.3	0.3
482	4/5/2019 12:57:09	0.3	0.3	0.3	0.3
483	4/5/2019 12:57:39	0.3	0.3	0.3	0.3
484	4/5/2019 12:58:09	0.3	0.3	0.3	0.3
485	4/5/2019 12:58:39	0.3	0.3	0.3	0.3
486	4/5/2019 12:59:09	0.3	0.3	0.3	0.3
487	4/5/2019 12:59:39	0.3	0.3	0.3	0.3
488	4/5/2019 13:00:09	0.3	0.3	0.3	0.3
489	4/5/2019 13:00:39	0.3	0.3	0.3	0.3
490	4/5/2019 13:01:09	0.3	0.3	0.3	0.3
491	4/5/2019 13:01:39	0.3	0.3	0.4	0.3
492	4/5/2019 13:02:09	0.3	0.3	0.3	0.3
493	4/5/2019 13:02:39	0.3	0.3	0.3	0.3
494	4/5/2019 13:03:09	0.3	0.3	0.3	0.3
495	4/5/2019 13:03:39	0.3	0.3	0.4	0.3
496	4/5/2019 13:04:09	0.3	0.3	0.3	0.3
497	4/5/2019 13:04:39	0.3	0.3	0.3	0.3
498	4/5/2019 13:05:09	0.3	0.3	0.3	0.3
499	4/5/2019 13:05:39	0.3	0.3	0.4	0.3
500	4/5/2019 13:06:09	0.3	0.3	0.3	0.3

501	4/5/2019	13:06:39	0.3	0.3	0.3	0.3
502	4/5/2019	13:07:09	0.3	0.3	0.3	0.3
503	4/5/2019	13:07:39	0.3	0.3	0.3	0.3
504	4/5/2019	13:08:09	0.3	0.4	0.4	0.4
505	4/5/2019	13:08:39	0.3	0.3	0.4	0.3
506	4/5/2019	13:09:09	0.3	0.3	0.3	0.3
507	4/5/2019	13:09:39	0.3	0.3	0.3	0.3
508	4/5/2019	13:10:09	0.3	0.3	0.4	0.4
509	4/5/2019	13:10:39	0.3	0.3	0.4	0.3
510	4/5/2019	13:11:09	0.3	0.3	0.3	0.3
511	4/5/2019	13:11:39	0.3	0.4	0.4	0.4
512	4/5/2019	13:12:09	0.3	0.3	0.4	0.3
513	4/5/2019	13:12:39	0.3	0.3	0.4	0.3
514	4/5/2019	13:13:09	0.3	0.3	0.4	0.3
515	4/5/2019	13:13:39	0.3	0.3	0.3	0.3
516	4/5/2019	13:14:09	0.3	0.3	0.4	0.3
517	4/5/2019	13:14:39	0.3	0.3	0.4	0.3
518	4/5/2019	13:15:09	0.3	0.3	0.3	0.3
519	4/5/2019	13:15:39	0.3	0.3	0.3	0.3
520	4/5/2019	13:16:09	0.3	0.3	0.3	0.3
521	4/5/2019	13:16:39	0.3	0.3	0.3	0.3
522	4/5/2019	13:17:09	0.3	0.3	0.4	0.3
523	4/5/2019	13:17:39	0.3	0.3	0.3	0.3
524	4/5/2019	13:18:09	0.3	0.3	0.3	0.3
525	4/5/2019	13:18:39	0.3	0.3	0.3	0.3
526	4/5/2019	13:19:09	0.3	0.3	0.3	0.3
527	4/5/2019	13:19:39	0.3	0.3	0.3	0.3
528	4/5/2019	13:20:09	0.3	0.3	0.3	0.3
529	4/5/2019	13:20:39	0.3	0.3	0.4	0.3
530	4/5/2019	13:21:09	0.3	0.3	0.4	0.3
531	4/5/2019	13:21:39	0.3	0.3	0.3	0.3
532	4/5/2019	13:22:09	0.3	0.3	0.3	0.3
533	4/5/2019	13:22:39	0.3	0.3	0.3	0.3
534	4/5/2019	13:23:09	0.3	0.3	0.3	0.3
535	4/5/2019	13:23:39	0.3	0.3	0.3	0.3
536	4/5/2019	13:24:09	0.3	0.3	0.3	0.3
537	4/5/2019	13:24:39	0.3	0.3	0.3	0.3
538	4/5/2019	13:25:09	0.3	0.3	0.3	0.3
539	4/5/2019	13:25:39	0.3	0.4	0.5	0.4
540	4/5/2019	13:26:09	0.3	0.4	0.4	0.4
541	4/5/2019	13:26:39	0.3	0.3	0.4	0.3
542	4/5/2019	13:27:09	0.3	0.3	0.3	0.3
543	4/5/2019	13:27:39	0.3	0.3	0.3	0.3
544	4/5/2019	13:28:09	0.3	0.3	0.3	0.3
545	4/5/2019	13:28:39	0.3	0.3	0.3	0.3
546	4/5/2019	13:29:09	0.3	0.3	0.3	0.3
547	4/5/2019	13:29:39	0.3	0.3	0.4	0.3
548	4/5/2019	13:30:09	0.3	0.3	0.3	0.3
549	4/5/2019	13:30:39	0.3	0.3	0.3	0.3
550	4/5/2019	13:31:09	0.3	0.3	0.3	0.3
551	4/5/2019	13:31:39	0.3	0.3	0.3	0.3
552	4/5/2019	13:32:09	0.3	0.3	0.3	0.3
553	4/5/2019	13:32:39	0.3	0.3	0.3	0.3
554	4/5/2019	13:33:09	0.3	0.3	0.3	0.3
555	4/5/2019	13:33:39	0.3	0.3	0.3	0.3
556	4/5/2019	13:34:09	0.3	0.3	0.3	0.3
557	4/5/2019	13:34:39	0.3	0.3	0.4	0.3

558	4/5/2019 13:35:09	0.3	0.3	0.3	0.3
559	4/5/2019 13:35:39	0.3	0.3	0.3	0.3
560	4/5/2019 13:36:09	0.3	0.3	0.3	0.3
561	4/5/2019 13:36:39	0.3	0.3	0.3	0.3
562	4/5/2019 13:37:09	0.3	0.3	0.3	0.3
563	4/5/2019 13:37:39	0.3	0.3	0.3	0.3
564	4/5/2019 13:38:09	0.3	0.3	0.4	0.3
565	4/5/2019 13:38:39	0.3	0.3	0.4	0.3
566	4/5/2019 13:39:09	0.3	0.3	0.3	0.3
567	4/5/2019 13:39:39	0.3	0.3	0.3	0.3
568	4/5/2019 13:40:09	0.3	0.3	0.3	0.3
569	4/5/2019 13:40:39	0.3	0.3	0.3	0.3
570	4/5/2019 13:41:09	0.3	0.3	0.3	0.3
571	4/5/2019 13:41:39	0.3	0.3	0.3	0.3
572	4/5/2019 13:42:09	0.3	0.3	0.3	0.3
573	4/5/2019 13:42:39	0.3	0.3	0.3	0.3
574	4/5/2019 13:43:09	0.3	0.3	0.3	0.3
575	4/5/2019 13:43:39	0.3	0.3	0.3	0.3
576	4/5/2019 13:44:09	0.3	0.3	0.3	0.3
577	4/5/2019 13:44:39	0.3	0.3	0.3	0.3
578	4/5/2019 13:45:09	0.3	0.3	0.3	0.3
579	4/5/2019 13:45:39	0.3	0.3	0.3	0.3
580	4/5/2019 13:46:09	0.3	0.3	0.4	0.3
581	4/5/2019 13:46:39	0.3	0.3	0.3	0.3
582	4/5/2019 13:47:09	0.3	0.3	0.3	0.3
583	4/5/2019 13:47:39	0.3	0.3	0.3	0.3
584	4/5/2019 13:48:09	0.3	0.3	0.3	0.3
585	4/5/2019 13:48:39	0.3	0.3	0.3	0.3
586	4/5/2019 13:49:09	0.3	0.3	0.4	0.3
587	4/5/2019 13:49:39	0.3	0.3	0.4	0.3
588	4/5/2019 13:50:09	0.3	0.3	0.3	0.3
589	4/5/2019 13:50:39	0.3	0.3	0.3	0.3
590	4/5/2019 13:51:09	0.3	0.3	0.3	0.3
591	4/5/2019 13:51:39	0.3	0.3	0.3	0.3
592	4/5/2019 13:52:09	0.3	0.3	0.3	0.3
593	4/5/2019 13:52:39	0.3	0.3	0.3	0.3
594	4/5/2019 13:53:09	0.3	0.3	0.4	0.4
595	4/5/2019 13:53:39	0.3	0.3	0.4	0.4
596	4/5/2019 13:54:09	0.3	0.3	0.4	0.3
597	4/5/2019 13:54:39	0.3	0.3	0.4	0.3
598	4/5/2019 13:55:09	0.3	0.3	0.3	0.3
599	4/5/2019 13:55:39	0.3	0.3	0.3	0.3
600	4/5/2019 13:56:09	0.3	0.3	0.3	0.3
601	4/5/2019 13:56:39	0.3	0.3	0.3	0.3
602	4/5/2019 13:57:09	0.3	0.3	0.3	0.3
603	4/5/2019 13:57:39	0.3	0.3	0.3	0.3
604	4/5/2019 13:58:09	0.3	0.3	0.3	0.3
605	4/5/2019 13:58:39	0.3	0.3	0.3	0.3
606	4/5/2019 13:59:09	0.3	0.4	0.4	0.3
607	4/5/2019 13:59:39	0.3	0.3	0.3	0.3
608	4/5/2019 14:00:09	0.3	0.3	0.3	0.3
609	4/5/2019 14:00:39	0.3	0.3	0.3	0.3
610	4/5/2019 14:01:09	0.3	0.3	0.4	0.3
611	4/5/2019 14:01:39	0.3	0.3	0.4	0.3
612	4/5/2019 14:02:09	0.3	0.3	0.4	0.3
613	4/5/2019 14:02:39	0.3	0.3	0.3	0.3
614	4/5/2019 14:03:09	0.3	0.3	0.3	0.3

615	4/5/2019	14:03:39	0.3	0.3	0.3	0.3
616	4/5/2019	14:04:09	0.3	0.3	0.3	0.3
617	4/5/2019	14:04:39	0.3	0.3	0.4	0.3
618	4/5/2019	14:05:09	0.3	0.3	0.4	0.3
619	4/5/2019	14:05:39	0.3	0.3	0.3	0.3
620	4/5/2019	14:06:09	0.3	0.3	0.4	0.3
621	4/5/2019	14:06:39	0.3	0.3	0.4	0.3
622	4/5/2019	14:07:09	0.3	0.3	0.3	0.3
Peak		0.3	0.4	0.6	0.5	
Min		0.1	0.1	0.1	0.1	
Average			0.2	0.2	0.2	0.2

****

TWA/STEL

Index		PID(ppm) Date/Time	PID(ppm) (TWA)	(STEL)
001	4/5/2019	08:56:39	0.0	---
002	4/5/2019	08:57:09	0.0	---
003	4/5/2019	08:57:39	0.0	---
004	4/5/2019	08:58:09	0.0	---
005	4/5/2019	08:58:39	0.0	---
006	4/5/2019	08:59:09	0.0	---
007	4/5/2019	08:59:39	0.0	---
008	4/5/2019	09:00:09	0.0	---
009	4/5/2019	09:00:39	0.0	---
010	4/5/2019	09:01:09	0.0	---
011	4/5/2019	09:01:39	0.0	---
012	4/5/2019	09:02:09	0.0	---
013	4/5/2019	09:02:39	0.0	---
014	4/5/2019	09:03:09	0.0	---
015	4/5/2019	09:03:39	0.0	---
016	4/5/2019	09:04:09	0.0	---
017	4/5/2019	09:04:39	0.0	---
018	4/5/2019	09:05:09	0.0	---
019	4/5/2019	09:05:39	0.0	---
020	4/5/2019	09:06:09	0.0	---
021	4/5/2019	09:06:39	0.0	---
022	4/5/2019	09:07:09	0.0	---
023	4/5/2019	09:07:39	0.0	---
024	4/5/2019	09:08:09	0.0	---
025	4/5/2019	09:08:39	0.0	---
026	4/5/2019	09:09:09	0.0	---
027	4/5/2019	09:09:39	0.0	---
028	4/5/2019	09:10:09	0.0	---
029	4/5/2019	09:10:39	0.0	---
030	4/5/2019	09:11:09	0.0	0.1
031	4/5/2019	09:11:39	0.0	0.1
032	4/5/2019	09:12:09	0.0	0.1
033	4/5/2019	09:12:39	0.0	0.1
034	4/5/2019	09:13:09	0.0	0.1
035	4/5/2019	09:13:39	0.0	0.1
036	4/5/2019	09:14:09	0.0	0.1
037	4/5/2019	09:14:39	0.0	0.1
038	4/5/2019	09:15:09	0.0	0.1
039	4/5/2019	09:15:39	0.0	0.1
040	4/5/2019	09:16:09	0.0	0.1
041	4/5/2019	09:16:39	0.0	0.1

042	4/5/2019 09:17:09	0.0	0.1
043	4/5/2019 09:17:39	0.0	0.1
044	4/5/2019 09:18:09	0.0	0.1
045	4/5/2019 09:18:39	0.0	0.1
046	4/5/2019 09:19:09	0.0	0.1
047	4/5/2019 09:19:39	0.0	0.1
048	4/5/2019 09:20:09	0.0	0.1
049	4/5/2019 09:20:39	0.0	0.1
050	4/5/2019 09:21:09	0.0	0.1
051	4/5/2019 09:21:39	0.0	0.1
052	4/5/2019 09:22:09	0.0	0.1
053	4/5/2019 09:22:39	0.0	0.1
054	4/5/2019 09:23:09	0.0	0.1
055	4/5/2019 09:23:39	0.0	0.1
056	4/5/2019 09:24:09	0.0	0.1
057	4/5/2019 09:24:39	0.0	0.1
058	4/5/2019 09:25:09	0.0	0.1
059	4/5/2019 09:25:39	0.0	0.1
060	4/5/2019 09:26:09	0.0	0.1
061	4/5/2019 09:26:39	0.0	0.1
062	4/5/2019 09:27:09	0.0	0.1
063	4/5/2019 09:27:39	0.0	0.1
064	4/5/2019 09:28:09	0.0	0.1
065	4/5/2019 09:28:39	0.0	0.1
066	4/5/2019 09:29:09	0.0	0.1
067	4/5/2019 09:29:39	0.0	0.1
068	4/5/2019 09:30:09	0.0	0.1
069	4/5/2019 09:30:39	0.0	0.1
070	4/5/2019 09:31:09	0.0	0.1
071	4/5/2019 09:31:39	0.0	0.1
072	4/5/2019 09:32:09	0.0	0.1
073	4/5/2019 09:32:39	0.0	0.1
074	4/5/2019 09:33:09	0.0	0.1
075	4/5/2019 09:33:39	0.0	0.1
076	4/5/2019 09:34:09	0.0	0.1
077	4/5/2019 09:34:39	0.0	0.1
078	4/5/2019 09:35:09	0.0	0.1
079	4/5/2019 09:35:39	0.0	0.1
080	4/5/2019 09:36:09	0.0	0.1
081	4/5/2019 09:36:39	0.0	0.1
082	4/5/2019 09:37:09	0.0	0.1
083	4/5/2019 09:37:39	0.0	0.1
084	4/5/2019 09:38:09	0.0	0.1
085	4/5/2019 09:38:39	0.0	0.1
086	4/5/2019 09:39:09	0.0	0.1
087	4/5/2019 09:39:39	0.0	0.1
088	4/5/2019 09:40:09	0.0	0.1
089	4/5/2019 09:40:39	0.0	0.1
090	4/5/2019 09:41:09	0.0	0.1
091	4/5/2019 09:41:39	0.0	0.1
092	4/5/2019 09:42:09	0.0	0.1
093	4/5/2019 09:42:39	0.0	0.1
094	4/5/2019 09:43:09	0.0	0.1
095	4/5/2019 09:43:39	0.0	0.2
096	4/5/2019 09:44:09	0.0	0.2
097	4/5/2019 09:44:39	0.0	0.2
098	4/5/2019 09:45:09	0.0	0.2

099	4/5/2019 09:45:39	0.0	0.2
100	4/5/2019 09:46:09	0.0	0.2
101	4/5/2019 09:46:39	0.0	0.2
102	4/5/2019 09:47:09	0.0	0.2
103	4/5/2019 09:47:39	0.0	0.2
104	4/5/2019 09:48:09	0.0	0.2
105	4/5/2019 09:48:39	0.0	0.2
106	4/5/2019 09:49:09	0.0	0.2
107	4/5/2019 09:49:39	0.0	0.2
108	4/5/2019 09:50:09	0.0	0.2
109	4/5/2019 09:50:39	0.0	0.2
110	4/5/2019 09:51:09	0.0	0.2
111	4/5/2019 09:51:39	0.0	0.2
112	4/5/2019 09:52:09	0.0	0.2
113	4/5/2019 09:52:39	0.0	0.2
114	4/5/2019 09:53:09	0.0	0.2
115	4/5/2019 09:53:39	0.0	0.2
116	4/5/2019 09:54:09	0.0	0.2
117	4/5/2019 09:54:39	0.0	0.2
118	4/5/2019 09:55:09	0.0	0.2
119	4/5/2019 09:55:39	0.0	0.2
120	4/5/2019 09:56:09	0.0	0.2
121	4/5/2019 09:56:39	0.0	0.2
122	4/5/2019 09:57:09	0.0	0.2
123	4/5/2019 09:57:39	0.0	0.2
124	4/5/2019 09:58:09	0.0	0.2
125	4/5/2019 09:58:39	0.0	0.2
126	4/5/2019 09:59:09	0.0	0.2
127	4/5/2019 09:59:39	0.0	0.2
128	4/5/2019 10:00:09	0.0	0.2
129	4/5/2019 10:00:39	0.0	0.2
130	4/5/2019 10:01:09	0.0	0.2
131	4/5/2019 10:01:39	0.0	0.2
132	4/5/2019 10:02:09	0.0	0.2
133	4/5/2019 10:02:39	0.0	0.2
134	4/5/2019 10:03:09	0.0	0.2
135	4/5/2019 10:03:39	0.0	0.2
136	4/5/2019 10:04:09	0.0	0.2
137	4/5/2019 10:04:39	0.0	0.2
138	4/5/2019 10:05:09	0.0	0.2
139	4/5/2019 10:05:39	0.0	0.2
140	4/5/2019 10:06:09	0.0	0.2
141	4/5/2019 10:06:39	0.0	0.2
142	4/5/2019 10:07:09	0.0	0.2
143	4/5/2019 10:07:39	0.0	0.2
144	4/5/2019 10:08:09	0.0	0.2
145	4/5/2019 10:08:39	0.0	0.2
146	4/5/2019 10:09:09	0.0	0.2
147	4/5/2019 10:09:39	0.0	0.2
148	4/5/2019 10:10:09	0.0	0.2
149	4/5/2019 10:10:39	0.0	0.2
150	4/5/2019 10:11:09	0.0	0.2
151	4/5/2019 10:11:39	0.0	0.2
152	4/5/2019 10:12:09	0.0	0.2
153	4/5/2019 10:12:39	0.0	0.2
154	4/5/2019 10:13:09	0.0	0.2
155	4/5/2019 10:13:39	0.0	0.2

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162	4/5/2019	10:17:09	0.0	0.2
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164	4/5/2019	10:18:09	0.0	0.2
165	4/5/2019	10:18:39	0.0	0.2
166	4/5/2019	10:19:09	0.0	0.2
167	4/5/2019	10:19:39	0.0	0.2
168	4/5/2019	10:20:09	0.0	0.2
169	4/5/2019	10:20:39	0.0	0.2
170	4/5/2019	10:21:09	0.0	0.2
171	4/5/2019	10:21:39	0.0	0.2
172	4/5/2019	10:22:09	0.0	0.2
173	4/5/2019	10:22:39	0.0	0.2
174	4/5/2019	10:23:09	0.0	0.2
175	4/5/2019	10:23:39	0.0	0.2
176	4/5/2019	10:24:09	0.0	0.2
177	4/5/2019	10:24:39	0.0	0.2
178	4/5/2019	10:25:09	0.0	0.2
179	4/5/2019	10:25:39	0.0	0.2
180	4/5/2019	10:26:09	0.0	0.2
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182	4/5/2019	10:27:09	0.0	0.2
183	4/5/2019	10:27:39	0.0	0.2
184	4/5/2019	10:28:09	0.0	0.2
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186	4/5/2019	10:29:09	0.0	0.2
187	4/5/2019	10:29:39	0.0	0.2
188	4/5/2019	10:30:09	0.0	0.2
189	4/5/2019	10:30:39	0.0	0.2
190	4/5/2019	10:31:09	0.0	0.2
191	4/5/2019	10:31:39	0.0	0.2
192	4/5/2019	10:32:09	0.0	0.2
193	4/5/2019	10:32:39	0.0	0.2
194	4/5/2019	10:33:09	0.0	0.2
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196	4/5/2019	10:34:09	0.0	0.2
197	4/5/2019	10:34:39	0.0	0.2
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199	4/5/2019	10:35:39	0.0	0.2
200	4/5/2019	10:36:09	0.0	0.2
201	4/5/2019	10:36:39	0.0	0.2
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203	4/5/2019	10:37:39	0.0	0.2
204	4/5/2019	10:38:09	0.0	0.2
205	4/5/2019	10:38:39	0.0	0.2
206	4/5/2019	10:39:09	0.0	0.2
207	4/5/2019	10:39:39	0.0	0.2
208	4/5/2019	10:40:09	0.0	0.2
209	4/5/2019	10:40:39	0.0	0.2
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211	4/5/2019	10:41:39	0.0	0.2
212	4/5/2019	10:42:09	0.0	0.2

213	4/5/2019	10:42:39	0.0	0.2
214	4/5/2019	10:43:09	0.0	0.2
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216	4/5/2019	10:44:09	0.0	0.2
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244	4/5/2019	10:58:09	0.0	0.2
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249	4/5/2019	11:00:39	0.0	0.2
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252	4/5/2019	11:02:09	0.0	0.2
253	4/5/2019	11:02:39	0.0	0.2
254	4/5/2019	11:03:09	0.0	0.2
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259	4/5/2019	11:05:39	0.0	0.2
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262	4/5/2019	11:07:09	0.0	0.2
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291	4/5/2019	11:21:39	0.1	0.2
292	4/5/2019	11:22:09	0.1	0.2
293	4/5/2019	11:22:39	0.1	0.2
294	4/5/2019	11:23:09	0.1	0.2
295	4/5/2019	11:23:39	0.1	0.2
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307	4/5/2019	11:29:39	0.1	0.2
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311	4/5/2019	11:31:39	0.1	0.2
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318	4/5/2019	11:35:09	0.1	0.3
319	4/5/2019	11:35:39	0.1	0.3
320	4/5/2019	11:36:09	0.1	0.3
321	4/5/2019	11:36:39	0.1	0.3
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323	4/5/2019	11:37:39	0.1	0.3
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350	4/5/2019	11:51:09	0.1	0.2
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352	4/5/2019	11:52:09	0.1	0.2
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363	4/5/2019	11:57:39	0.1	0.2
364	4/5/2019	11:58:09	0.1	0.2
365	4/5/2019	11:58:39	0.1	0.2
366	4/5/2019	11:59:09	0.1	0.2
367	4/5/2019	11:59:39	0.1	0.2
368	4/5/2019	12:00:09	0.1	0.2
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370	4/5/2019	12:01:09	0.1	0.2
371	4/5/2019	12:01:39	0.1	0.2
372	4/5/2019	12:02:09	0.1	0.2
373	4/5/2019	12:02:39	0.1	0.2
374	4/5/2019	12:03:09	0.1	0.2
375	4/5/2019	12:03:39	0.1	0.2
376	4/5/2019	12:04:09	0.1	0.2
377	4/5/2019	12:04:39	0.1	0.2
378	4/5/2019	12:05:09	0.1	0.2
379	4/5/2019	12:05:39	0.1	0.2
380	4/5/2019	12:06:09	0.1	0.2
381	4/5/2019	12:06:39	0.1	0.2
382	4/5/2019	12:07:09	0.1	0.2
383	4/5/2019	12:07:39	0.1	0.2

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385	4/5/2019 12:08:39	0.1	0.2
386	4/5/2019 12:09:09	0.1	0.2
387	4/5/2019 12:09:39	0.1	0.2
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389	4/5/2019 12:10:39	0.1	0.2
390	4/5/2019 12:11:09	0.1	0.2
391	4/5/2019 12:11:39	0.1	0.2
392	4/5/2019 12:12:09	0.1	0.2
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394	4/5/2019 12:13:09	0.1	0.2
395	4/5/2019 12:13:39	0.1	0.3
396	4/5/2019 12:14:09	0.1	0.3
397	4/5/2019 12:14:39	0.1	0.3
398	4/5/2019 12:15:09	0.1	0.3
399	4/5/2019 12:15:39	0.1	0.3
400	4/5/2019 12:16:09	0.1	0.3
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402	4/5/2019 12:17:09	0.1	0.3
403	4/5/2019 12:17:39	0.1	0.3
404	4/5/2019 12:18:09	0.1	0.3
405	4/5/2019 12:18:39	0.1	0.3
406	4/5/2019 12:19:09	0.1	0.3
407	4/5/2019 12:19:39	0.1	0.3
408	4/5/2019 12:20:09	0.1	0.3
409	4/5/2019 12:20:39	0.1	0.3
410	4/5/2019 12:21:09	0.1	0.3
411	4/5/2019 12:21:39	0.1	0.3
412	4/5/2019 12:22:09	0.1	0.3
413	4/5/2019 12:22:39	0.1	0.3
414	4/5/2019 12:23:09	0.1	0.3
415	4/5/2019 12:23:39	0.1	0.3
416	4/5/2019 12:24:09	0.1	0.3
417	4/5/2019 12:24:39	0.1	0.3
418	4/5/2019 12:25:09	0.1	0.3
419	4/5/2019 12:25:39	0.1	0.3
420	4/5/2019 12:26:09	0.1	0.3
421	4/5/2019 12:26:39	0.1	0.3
422	4/5/2019 12:27:09	0.1	0.3
423	4/5/2019 12:27:39	0.1	0.3
424	4/5/2019 12:28:09	0.1	0.3
425	4/5/2019 12:28:39	0.1	0.3
426	4/5/2019 12:29:09	0.1	0.3
427	4/5/2019 12:29:39	0.1	0.3
428	4/5/2019 12:30:09	0.1	0.3
429	4/5/2019 12:30:39	0.1	0.3
430	4/5/2019 12:31:09	0.1	0.3
431	4/5/2019 12:31:39	0.1	0.3
432	4/5/2019 12:32:09	0.1	0.3
433	4/5/2019 12:32:39	0.1	0.3
434	4/5/2019 12:33:09	0.1	0.3
435	4/5/2019 12:33:39	0.1	0.3
436	4/5/2019 12:34:09	0.1	0.3
437	4/5/2019 12:34:39	0.1	0.3
438	4/5/2019 12:35:09	0.1	0.3
439	4/5/2019 12:35:39	0.1	0.3
440	4/5/2019 12:36:09	0.1	0.3

441	4/5/2019 12:36:39	0.1	0.3
442	4/5/2019 12:37:09	0.1	0.3
443	4/5/2019 12:37:39	0.1	0.3
444	4/5/2019 12:38:09	0.1	0.3
445	4/5/2019 12:38:39	0.1	0.3
446	4/5/2019 12:39:09	0.1	0.3
447	4/5/2019 12:39:39	0.1	0.3
448	4/5/2019 12:40:09	0.1	0.3
449	4/5/2019 12:40:39	0.1	0.3
450	4/5/2019 12:41:09	0.1	0.3
451	4/5/2019 12:41:39	0.1	0.3
452	4/5/2019 12:42:09	0.1	0.3
453	4/5/2019 12:42:39	0.1	0.3
454	4/5/2019 12:43:09	0.1	0.3
455	4/5/2019 12:43:39	0.1	0.3
456	4/5/2019 12:44:09	0.1	0.3
457	4/5/2019 12:44:39	0.1	0.3
458	4/5/2019 12:45:09	0.1	0.3
459	4/5/2019 12:45:39	0.1	0.3
460	4/5/2019 12:46:09	0.1	0.3
461	4/5/2019 12:46:39	0.1	0.3
462	4/5/2019 12:47:09	0.1	0.3
463	4/5/2019 12:47:39	0.1	0.3
464	4/5/2019 12:48:09	0.1	0.3
465	4/5/2019 12:48:39	0.1	0.3
466	4/5/2019 12:49:09	0.1	0.3
467	4/5/2019 12:49:39	0.1	0.3
468	4/5/2019 12:50:09	0.1	0.3
469	4/5/2019 12:50:39	0.1	0.3
470	4/5/2019 12:51:09	0.1	0.3
471	4/5/2019 12:51:39	0.1	0.3
472	4/5/2019 12:52:09	0.1	0.3
473	4/5/2019 12:52:39	0.1	0.3
474	4/5/2019 12:53:09	0.1	0.3
475	4/5/2019 12:53:39	0.1	0.3
476	4/5/2019 12:54:09	0.1	0.3
477	4/5/2019 12:54:39	0.1	0.3
478	4/5/2019 12:55:09	0.1	0.3
479	4/5/2019 12:55:39	0.1	0.3
480	4/5/2019 12:56:09	0.1	0.3
481	4/5/2019 12:56:39	0.1	0.3
482	4/5/2019 12:57:09	0.1	0.3
483	4/5/2019 12:57:39	0.1	0.3
484	4/5/2019 12:58:09	0.1	0.3
485	4/5/2019 12:58:39	0.1	0.3
486	4/5/2019 12:59:09	0.1	0.3
487	4/5/2019 12:59:39	0.1	0.3
488	4/5/2019 13:00:09	0.1	0.3
489	4/5/2019 13:00:39	0.1	0.3
490	4/5/2019 13:01:09	0.1	0.3
491	4/5/2019 13:01:39	0.1	0.3
492	4/5/2019 13:02:09	0.1	0.3
493	4/5/2019 13:02:39	0.1	0.3
494	4/5/2019 13:03:09	0.1	0.3
495	4/5/2019 13:03:39	0.1	0.3
496	4/5/2019 13:04:09	0.1	0.3
497	4/5/2019 13:04:39	0.1	0.3

498	4/5/2019 13:05:09	0.1	0.3
499	4/5/2019 13:05:39	0.1	0.3
500	4/5/2019 13:06:09	0.1	0.3
501	4/5/2019 13:06:39	0.1	0.3
502	4/5/2019 13:07:09	0.1	0.3
503	4/5/2019 13:07:39	0.1	0.3
504	4/5/2019 13:08:09	0.1	0.3
505	4/5/2019 13:08:39	0.1	0.3
506	4/5/2019 13:09:09	0.1	0.3
507	4/5/2019 13:09:39	0.1	0.3
508	4/5/2019 13:10:09	0.1	0.3
509	4/5/2019 13:10:39	0.1	0.3
510	4/5/2019 13:11:09	0.1	0.3
511	4/5/2019 13:11:39	0.1	0.3
512	4/5/2019 13:12:09	0.1	0.3
513	4/5/2019 13:12:39	0.1	0.3
514	4/5/2019 13:13:09	0.1	0.3
515	4/5/2019 13:13:39	0.1	0.3
516	4/5/2019 13:14:09	0.1	0.3
517	4/5/2019 13:14:39	0.1	0.3
518	4/5/2019 13:15:09	0.1	0.3
519	4/5/2019 13:15:39	0.1	0.3
520	4/5/2019 13:16:09	0.1	0.3
521	4/5/2019 13:16:39	0.1	0.3
522	4/5/2019 13:17:09	0.1	0.3
523	4/5/2019 13:17:39	0.1	0.3
524	4/5/2019 13:18:09	0.1	0.3
525	4/5/2019 13:18:39	0.1	0.3
526	4/5/2019 13:19:09	0.1	0.3
527	4/5/2019 13:19:39	0.1	0.3
528	4/5/2019 13:20:09	0.1	0.3
529	4/5/2019 13:20:39	0.1	0.3
530	4/5/2019 13:21:09	0.1	0.3
531	4/5/2019 13:21:39	0.1	0.3
532	4/5/2019 13:22:09	0.1	0.3
533	4/5/2019 13:22:39	0.1	0.3
534	4/5/2019 13:23:09	0.1	0.3
535	4/5/2019 13:23:39	0.1	0.3
536	4/5/2019 13:24:09	0.1	0.3
537	4/5/2019 13:24:39	0.1	0.3
538	4/5/2019 13:25:09	0.1	0.3
539	4/5/2019 13:25:39	0.1	0.3
540	4/5/2019 13:26:09	0.1	0.3
541	4/5/2019 13:26:39	0.1	0.3
542	4/5/2019 13:27:09	0.1	0.3
543	4/5/2019 13:27:39	0.1	0.3
544	4/5/2019 13:28:09	0.1	0.3
545	4/5/2019 13:28:39	0.1	0.3
546	4/5/2019 13:29:09	0.1	0.3
547	4/5/2019 13:29:39	0.1	0.3
548	4/5/2019 13:30:09	0.1	0.3
549	4/5/2019 13:30:39	0.1	0.3
550	4/5/2019 13:31:09	0.1	0.3
551	4/5/2019 13:31:39	0.1	0.3
552	4/5/2019 13:32:09	0.1	0.3
553	4/5/2019 13:32:39	0.1	0.3
554	4/5/2019 13:33:09	0.1	0.3

555	4/5/2019	13:33:39	0.1	0.3
556	4/5/2019	13:34:09	0.1	0.3
557	4/5/2019	13:34:39	0.1	0.3
558	4/5/2019	13:35:09	0.1	0.3
559	4/5/2019	13:35:39	0.1	0.3
560	4/5/2019	13:36:09	0.1	0.3
561	4/5/2019	13:36:39	0.1	0.3
562	4/5/2019	13:37:09	0.1	0.3
563	4/5/2019	13:37:39	0.1	0.3
564	4/5/2019	13:38:09	0.1	0.3
565	4/5/2019	13:38:39	0.1	0.3
566	4/5/2019	13:39:09	0.1	0.3
567	4/5/2019	13:39:39	0.1	0.3
568	4/5/2019	13:40:09	0.1	0.3
569	4/5/2019	13:40:39	0.1	0.3
570	4/5/2019	13:41:09	0.1	0.3
571	4/5/2019	13:41:39	0.1	0.3
572	4/5/2019	13:42:09	0.1	0.3
573	4/5/2019	13:42:39	0.1	0.3
574	4/5/2019	13:43:09	0.1	0.3
575	4/5/2019	13:43:39	0.1	0.3
576	4/5/2019	13:44:09	0.1	0.3
577	4/5/2019	13:44:39	0.1	0.3
578	4/5/2019	13:45:09	0.1	0.3
579	4/5/2019	13:45:39	0.1	0.3
580	4/5/2019	13:46:09	0.1	0.3
581	4/5/2019	13:46:39	0.1	0.3
582	4/5/2019	13:47:09	0.1	0.3
583	4/5/2019	13:47:39	0.1	0.3
584	4/5/2019	13:48:09	0.1	0.3
585	4/5/2019	13:48:39	0.1	0.3
586	4/5/2019	13:49:09	0.1	0.3
587	4/5/2019	13:49:39	0.1	0.3
588	4/5/2019	13:50:09	0.1	0.3
589	4/5/2019	13:50:39	0.1	0.3
590	4/5/2019	13:51:09	0.1	0.3
591	4/5/2019	13:51:39	0.1	0.3
592	4/5/2019	13:52:09	0.1	0.3
593	4/5/2019	13:52:39	0.1	0.3
594	4/5/2019	13:53:09	0.1	0.3
595	4/5/2019	13:53:39	0.1	0.3
596	4/5/2019	13:54:09	0.1	0.3
597	4/5/2019	13:54:39	0.1	0.3
598	4/5/2019	13:55:09	0.1	0.3
599	4/5/2019	13:55:39	0.1	0.3
600	4/5/2019	13:56:09	0.1	0.3
601	4/5/2019	13:56:39	0.1	0.3
602	4/5/2019	13:57:09	0.1	0.3
603	4/5/2019	13:57:39	0.1	0.3
604	4/5/2019	13:58:09	0.1	0.3
605	4/5/2019	13:58:39	0.1	0.3
606	4/5/2019	13:59:09	0.1	0.3
607	4/5/2019	13:59:39	0.1	0.3
608	4/5/2019	14:00:09	0.1	0.3
609	4/5/2019	14:00:39	0.1	0.3
610	4/5/2019	14:01:09	0.1	0.3
611	4/5/2019	14:01:39	0.1	0.3

612 4/5/2019 14:02:09 0.1 0.3
613 4/5/2019 14:02:39 0.1 0.3
614 4/5/2019 14:03:09 0.1 0.3
615 4/5/2019 14:03:39 0.1 0.3
616 4/5/2019 14:04:09 0.1 0.3
617 4/5/2019 14:04:39 0.1 0.3
618 4/5/2019 14:05:09 0.1 0.3
619 4/5/2019 14:05:39 0.1 0.3
620 4/5/2019 14:06:09 0.1 0.3
621 4/5/2019 14:06:39 0.1 0.3
622 4/5/2019 14:07:09 0.1 0.3

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19/04/08 08:05

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/8/2019 08:05:36
End 4/8/2019 08:06:03
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/5/2019 08:49

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Datalog

0 record.

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19/04/08 08:14

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/8/2019 08:14:31
End 4/8/2019 08:15:58
Sample Period(s) 30
Number of Records 2

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/5/2019 08:49
Peak 0.1
Min 0.1
Average 0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/8/2019 08:15:01	0.0	0.1	0.1	0.1
002	4/8/2019 08:15:31	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.1	0.1
Min		0.0	0.1	0.1	0.1
Average			0.1	0.1	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/8/2019 08:15:01	0.0	---
002	4/8/2019 08:15:31	0.0	---

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19/04/08 08:17
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin 4/8/2019 08:17:11
End 4/8/2019 15:08:38
Sample Period(s) 30
Number of Records 822

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/5/2019 08:49
Peak 0.4
Min 0.0
Average 0.1

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Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/8/2019 08:17:41	0.0	0.0	0.0	0.0
002	4/8/2019 08:18:11	0.0	0.0	0.0	0.0
003	4/8/2019 08:18:41	0.0	0.0	0.0	0.0
004	4/8/2019 08:19:11	0.0	0.0	0.0	0.0
005	4/8/2019 08:19:41	0.0	0.0	0.0	0.0
006	4/8/2019 08:20:11	0.0	0.0	0.0	0.0
007	4/8/2019 08:20:41	0.0	0.0	0.0	0.0
008	4/8/2019 08:21:11	0.0	0.0	0.0	0.0
009	4/8/2019 08:21:41	0.0	0.0	0.0	0.0
010	4/8/2019 08:22:11	0.0	0.0	0.0	0.0
011	4/8/2019 08:22:41	0.0	0.0	0.0	0.0
012	4/8/2019 08:23:11	0.0	0.0	0.0	0.0
013	4/8/2019 08:23:41	0.0	0.0	0.0	0.0
014	4/8/2019 08:24:11	0.0	0.0	0.0	0.0
015	4/8/2019 08:24:41	0.0	0.0	0.0	0.0
016	4/8/2019 08:25:11	0.0	0.0	0.0	0.0
017	4/8/2019 08:25:41	0.0	0.0	0.0	0.0
018	4/8/2019 08:26:11	0.0	0.0	0.0	0.0
019	4/8/2019 08:26:41	0.0	0.0	0.0	0.0
020	4/8/2019 08:27:11	0.0	0.0	0.0	0.0
021	4/8/2019 08:27:41	0.0	0.0	0.0	0.0
022	4/8/2019 08:28:11	0.0	0.0	0.0	0.0
023	4/8/2019 08:28:41	0.0	0.0	0.0	0.0
024	4/8/2019 08:29:11	0.0	0.0	0.0	0.0

025	4/8/2019	08:29:41	0.0	0.0	0.0	0.0
026	4/8/2019	08:30:11	0.0	0.0	0.0	0.0
027	4/8/2019	08:30:41	0.0	0.0	0.0	0.0
028	4/8/2019	08:31:11	0.0	0.0	0.0	0.0
029	4/8/2019	08:31:41	0.0	0.0	0.0	0.0
030	4/8/2019	08:32:11	0.0	0.0	0.0	0.0
031	4/8/2019	08:32:41	0.0	0.0	0.0	0.0
032	4/8/2019	08:33:11	0.0	0.0	0.0	0.0
033	4/8/2019	08:33:41	0.0	0.0	0.0	0.0
034	4/8/2019	08:34:11	0.0	0.0	0.0	0.0
035	4/8/2019	08:34:41	0.0	0.0	0.0	0.0
036	4/8/2019	08:35:11	0.0	0.0	0.0	0.0
037	4/8/2019	08:35:41	0.0	0.0	0.0	0.0
038	4/8/2019	08:36:11	0.0	0.0	0.0	0.0
039	4/8/2019	08:36:41	0.0	0.0	0.0	0.0
040	4/8/2019	08:37:11	0.0	0.0	0.0	0.0
041	4/8/2019	08:37:41	0.0	0.0	0.0	0.0
042	4/8/2019	08:38:11	0.0	0.0	0.0	0.0
043	4/8/2019	08:38:41	0.0	0.0	0.0	0.0
044	4/8/2019	08:39:11	0.0	0.0	0.0	0.0
045	4/8/2019	08:39:41	0.0	0.0	0.0	0.0
046	4/8/2019	08:40:11	0.0	0.0	0.0	0.0
047	4/8/2019	08:40:41	0.0	0.0	0.0	0.0
048	4/8/2019	08:41:11	0.0	0.0	0.0	0.0
049	4/8/2019	08:41:41	0.0	0.0	0.0	0.0
050	4/8/2019	08:42:11	0.0	0.0	0.0	0.0
051	4/8/2019	08:42:41	0.0	0.0	0.0	0.0
052	4/8/2019	08:43:11	0.0	0.0	0.0	0.0
053	4/8/2019	08:43:41	0.0	0.0	0.0	0.0
054	4/8/2019	08:44:11	0.0	0.0	0.0	0.0
055	4/8/2019	08:44:41	0.0	0.0	0.0	0.0
056	4/8/2019	08:45:11	0.0	0.0	0.0	0.0
057	4/8/2019	08:45:41	0.0	0.0	0.0	0.0
058	4/8/2019	08:46:11	0.0	0.0	0.0	0.0
059	4/8/2019	08:46:41	0.0	0.0	0.0	0.0
060	4/8/2019	08:47:11	0.0	0.0	0.0	0.0
061	4/8/2019	08:47:41	0.0	0.0	0.0	0.0
062	4/8/2019	08:48:11	0.0	0.0	0.0	0.0
063	4/8/2019	08:48:41	0.0	0.0	0.0	0.0
064	4/8/2019	08:49:11	0.0	0.0	0.0	0.0
065	4/8/2019	08:49:41	0.0	0.0	0.0	0.0
066	4/8/2019	08:50:11	0.0	0.0	0.0	0.0
067	4/8/2019	08:50:41	0.0	0.0	0.0	0.0
068	4/8/2019	08:51:11	0.0	0.0	0.0	0.0
069	4/8/2019	08:51:41	0.0	0.0	0.0	0.0
070	4/8/2019	08:52:11	0.0	0.0	0.0	0.0
071	4/8/2019	08:52:41	0.0	0.0	0.0	0.0
072	4/8/2019	08:53:11	0.0	0.0	0.0	0.0
073	4/8/2019	08:53:41	0.0	0.0	0.0	0.0
074	4/8/2019	08:54:11	0.0	0.0	0.0	0.0
075	4/8/2019	08:54:41	0.0	0.0	0.0	0.0
076	4/8/2019	08:55:11	0.0	0.0	0.0	0.0
077	4/8/2019	08:55:41	0.0	0.0	0.0	0.0
078	4/8/2019	08:56:11	0.0	0.0	0.0	0.0
079	4/8/2019	08:56:41	0.0	0.0	0.0	0.0
080	4/8/2019	08:57:11	0.0	0.0	0.0	0.0
081	4/8/2019	08:57:41	0.0	0.0	0.0	0.0

082	4/8/2019 08:58:11	0.0	0.0	0.0	0.0
083	4/8/2019 08:58:41	0.0	0.0	0.0	0.0
084	4/8/2019 08:59:11	0.0	0.0	0.0	0.0
085	4/8/2019 08:59:41	0.0	0.0	0.0	0.0
086	4/8/2019 09:00:11	0.0	0.0	0.0	0.0
087	4/8/2019 09:00:41	0.0	0.0	0.0	0.0
088	4/8/2019 09:01:11	0.0	0.0	0.0	0.0
089	4/8/2019 09:01:41	0.0	0.0	0.0	0.0
090	4/8/2019 09:02:11	0.0	0.0	0.0	0.0
091	4/8/2019 09:02:41	0.0	0.0	0.0	0.0
092	4/8/2019 09:03:11	0.0	0.0	0.0	0.0
093	4/8/2019 09:03:41	0.0	0.0	0.0	0.0
094	4/8/2019 09:04:11	0.0	0.0	0.0	0.0
095	4/8/2019 09:04:41	0.0	0.0	0.0	0.0
096	4/8/2019 09:05:11	0.0	0.0	0.0	0.0
097	4/8/2019 09:05:41	0.0	0.0	0.0	0.0
098	4/8/2019 09:06:11	0.0	0.0	0.0	0.0
099	4/8/2019 09:06:41	0.0	0.0	0.0	0.0
100	4/8/2019 09:07:11	0.0	0.0	0.0	0.0
101	4/8/2019 09:07:41	0.0	0.0	0.0	0.0
102	4/8/2019 09:08:11	0.0	0.0	0.0	0.0
103	4/8/2019 09:08:41	0.0	0.0	0.0	0.0
104	4/8/2019 09:09:11	0.0	0.0	0.0	0.0
105	4/8/2019 09:09:41	0.0	0.0	0.0	0.0
106	4/8/2019 09:10:11	0.0	0.0	0.0	0.0
107	4/8/2019 09:10:41	0.0	0.0	0.0	0.0
108	4/8/2019 09:11:11	0.0	0.0	0.0	0.0
109	4/8/2019 09:11:41	0.0	0.0	0.0	0.0
110	4/8/2019 09:12:11	0.0	0.0	0.0	0.0
111	4/8/2019 09:12:41	0.0	0.0	0.0	0.0
112	4/8/2019 09:13:11	0.0	0.0	0.0	0.0
113	4/8/2019 09:13:41	0.0	0.0	0.0	0.0
114	4/8/2019 09:14:11	0.0	0.0	0.0	0.0
115	4/8/2019 09:14:41	0.0	0.0	0.0	0.0
116	4/8/2019 09:15:11	0.0	0.0	0.0	0.0
117	4/8/2019 09:15:41	0.0	0.0	0.0	0.0
118	4/8/2019 09:16:11	0.0	0.0	0.0	0.0
119	4/8/2019 09:16:41	0.0	0.0	0.0	0.0
120	4/8/2019 09:17:11	0.0	0.0	0.0	0.0
121	4/8/2019 09:17:41	0.0	0.0	0.0	0.0
122	4/8/2019 09:18:11	0.0	0.0	0.0	0.0
123	4/8/2019 09:18:41	0.0	0.0	0.0	0.0
124	4/8/2019 09:19:11	0.0	0.0	0.0	0.0
125	4/8/2019 09:19:41	0.0	0.0	0.0	0.0
126	4/8/2019 09:20:11	0.0	0.0	0.0	0.0
127	4/8/2019 09:20:41	0.0	0.0	0.0	0.0
128	4/8/2019 09:21:11	0.0	0.0	0.0	0.0
129	4/8/2019 09:21:41	0.0	0.0	0.0	0.0
130	4/8/2019 09:22:11	0.0	0.0	0.0	0.0
131	4/8/2019 09:22:41	0.0	0.0	0.0	0.0
132	4/8/2019 09:23:11	0.0	0.0	0.0	0.0
133	4/8/2019 09:23:41	0.0	0.0	0.0	0.0
134	4/8/2019 09:24:11	0.0	0.0	0.0	0.0
135	4/8/2019 09:24:41	0.0	0.0	0.0	0.0
136	4/8/2019 09:25:11	0.0	0.0	0.0	0.0
137	4/8/2019 09:25:41	0.0	0.0	0.0	0.0
138	4/8/2019 09:26:11	0.0	0.0	0.0	0.0

139	4/8/2019 09:26:41	0.0	0.0	0.0	0.0
140	4/8/2019 09:27:11	0.0	0.0	0.0	0.0
141	4/8/2019 09:27:41	0.0	0.0	0.0	0.0
142	4/8/2019 09:28:11	0.0	0.0	0.0	0.0
143	4/8/2019 09:28:41	0.0	0.0	0.0	0.0
144	4/8/2019 09:29:11	0.0	0.0	0.0	0.0
145	4/8/2019 09:29:41	0.0	0.0	0.0	0.0
146	4/8/2019 09:30:11	0.0	0.0	0.0	0.0
147	4/8/2019 09:30:41	0.0	0.0	0.0	0.0
148	4/8/2019 09:31:11	0.0	0.0	0.0	0.0
149	4/8/2019 09:31:41	0.0	0.0	0.0	0.0
150	4/8/2019 09:32:11	0.0	0.0	0.0	0.0
151	4/8/2019 09:32:41	0.0	0.0	0.0	0.0
152	4/8/2019 09:33:11	0.0	0.0	0.0	0.0
153	4/8/2019 09:33:41	0.0	0.0	0.0	0.0
154	4/8/2019 09:34:11	0.0	0.0	0.0	0.0
155	4/8/2019 09:34:41	0.0	0.0	0.0	0.0
156	4/8/2019 09:35:11	0.0	0.0	0.0	0.0
157	4/8/2019 09:35:41	0.0	0.0	0.0	0.0
158	4/8/2019 09:36:11	0.0	0.0	0.0	0.0
159	4/8/2019 09:36:41	0.0	0.0	0.0	0.0
160	4/8/2019 09:37:11	0.0	0.0	0.0	0.0
161	4/8/2019 09:37:41	0.0	0.0	0.0	0.0
162	4/8/2019 09:38:11	0.0	0.0	0.0	0.0
163	4/8/2019 09:38:41	0.0	0.0	0.0	0.0
164	4/8/2019 09:39:11	0.0	0.0	0.0	0.0
165	4/8/2019 09:39:41	0.0	0.0	0.0	0.0
166	4/8/2019 09:40:11	0.0	0.0	0.0	0.0
167	4/8/2019 09:40:41	0.0	0.0	0.0	0.0
168	4/8/2019 09:41:11	0.0	0.0	0.0	0.0
169	4/8/2019 09:41:41	0.0	0.0	0.0	0.0
170	4/8/2019 09:42:11	0.0	0.0	0.0	0.0
171	4/8/2019 09:42:41	0.0	0.0	0.0	0.0
172	4/8/2019 09:43:11	0.0	0.0	0.0	0.0
173	4/8/2019 09:43:41	0.0	0.0	0.0	0.0
174	4/8/2019 09:44:11	0.0	0.0	0.0	0.0
175	4/8/2019 09:44:41	0.0	0.0	0.0	0.0
176	4/8/2019 09:45:11	0.0	0.0	0.0	0.0
177	4/8/2019 09:45:41	0.0	0.0	0.0	0.0
178	4/8/2019 09:46:11	0.0	0.0	0.0	0.0
179	4/8/2019 09:46:41	0.0	0.0	0.0	0.0
180	4/8/2019 09:47:11	0.0	0.0	0.0	0.0
181	4/8/2019 09:47:41	0.0	0.0	0.0	0.0
182	4/8/2019 09:48:11	0.0	0.0	0.0	0.0
183	4/8/2019 09:48:41	0.0	0.0	0.0	0.0
184	4/8/2019 09:49:11	0.0	0.0	0.0	0.0
185	4/8/2019 09:49:41	0.0	0.0	0.0	0.0
186	4/8/2019 09:50:11	0.0	0.0	0.0	0.0
187	4/8/2019 09:50:41	0.0	0.0	0.0	0.0
188	4/8/2019 09:51:11	0.0	0.0	0.0	0.0
189	4/8/2019 09:51:41	0.0	0.0	0.0	0.0
190	4/8/2019 09:52:11	0.0	0.0	0.0	0.0
191	4/8/2019 09:52:41	0.0	0.0	0.0	0.0
192	4/8/2019 09:53:11	0.0	0.0	0.0	0.0
193	4/8/2019 09:53:41	0.0	0.0	0.0	0.0
194	4/8/2019 09:54:11	0.0	0.0	0.0	0.0
195	4/8/2019 09:54:41	0.0	0.0	0.0	0.0

196	4/8/2019 09:55:11	0.0	0.0	0.0	0.0
197	4/8/2019 09:55:41	0.0	0.0	0.0	0.0
198	4/8/2019 09:56:11	0.0	0.0	0.0	0.0
199	4/8/2019 09:56:41	0.0	0.0	0.0	0.0
200	4/8/2019 09:57:11	0.0	0.0	0.0	0.0
201	4/8/2019 09:57:41	0.0	0.0	0.0	0.0
202	4/8/2019 09:58:11	0.0	0.0	0.0	0.0
203	4/8/2019 09:58:41	0.0	0.0	0.0	0.0
204	4/8/2019 09:59:11	0.0	0.0	0.0	0.0
205	4/8/2019 09:59:41	0.0	0.0	0.0	0.0
206	4/8/2019 10:00:11	0.0	0.0	0.0	0.0
207	4/8/2019 10:00:41	0.0	0.0	0.0	0.0
208	4/8/2019 10:01:11	0.0	0.0	0.1	0.0
209	4/8/2019 10:01:41	0.0	0.0	0.0	0.0
210	4/8/2019 10:02:11	0.0	0.0	0.0	0.0
211	4/8/2019 10:02:41	0.0	0.0	0.1	0.1
212	4/8/2019 10:03:11	0.1	0.1	0.1	0.1
213	4/8/2019 10:03:41	0.0	0.1	0.1	0.0
214	4/8/2019 10:04:11	0.0	0.0	0.1	0.1
215	4/8/2019 10:04:41	0.0	0.0	0.1	0.0
216	4/8/2019 10:05:11	0.0	0.1	0.1	0.1
217	4/8/2019 10:05:41	0.0	0.1	0.1	0.0
218	4/8/2019 10:06:11	0.0	0.1	0.1	0.0
219	4/8/2019 10:06:41	0.0	0.1	0.1	0.1
220	4/8/2019 10:07:11	0.1	0.1	0.1	0.1
221	4/8/2019 10:07:41	0.1	0.1	0.1	0.1
222	4/8/2019 10:08:11	0.0	0.1	0.1	0.1
223	4/8/2019 10:08:41	0.0	0.1	0.1	0.1
224	4/8/2019 10:09:11	0.1	0.1	0.1	0.1
225	4/8/2019 10:09:41	0.0	0.1	0.1	0.1
226	4/8/2019 10:10:11	0.0	0.1	0.1	0.1
227	4/8/2019 10:10:41	0.1	0.1	0.1	0.1
228	4/8/2019 10:11:11	0.1	0.1	0.2	0.1
229	4/8/2019 10:11:41	0.1	0.1	0.1	0.1
230	4/8/2019 10:12:11	0.1	0.1	0.1	0.1
231	4/8/2019 10:12:41	0.1	0.1	0.1	0.1
232	4/8/2019 10:13:11	0.1	0.1	0.1	0.1
233	4/8/2019 10:13:41	0.1	0.1	0.1	0.1
234	4/8/2019 10:14:11	0.1	0.1	0.1	0.1
235	4/8/2019 10:14:41	0.1	0.1	0.1	0.1
236	4/8/2019 10:15:11	0.1	0.1	0.1	0.1
237	4/8/2019 10:15:41	0.1	0.1	0.1	0.1
238	4/8/2019 10:16:11	0.1	0.1	0.1	0.1
239	4/8/2019 10:16:41	0.1	0.1	0.1	0.1
240	4/8/2019 10:17:11	0.1	0.1	0.1	0.1
241	4/8/2019 10:17:41	0.1	0.1	0.1	0.1
242	4/8/2019 10:18:11	0.1	0.1	0.1	0.1
243	4/8/2019 10:18:41	0.1	0.1	0.1	0.1
244	4/8/2019 10:19:11	0.1	0.1	0.1	0.1
245	4/8/2019 10:19:41	0.1	0.1	0.1	0.1
246	4/8/2019 10:20:11	0.1	0.1	0.1	0.1
247	4/8/2019 10:20:41	0.1	0.1	0.1	0.1
248	4/8/2019 10:21:11	0.1	0.1	0.1	0.1
249	4/8/2019 10:21:41	0.1	0.1	0.1	0.1
250	4/8/2019 10:22:11	0.1	0.1	0.1	0.1
251	4/8/2019 10:22:41	0.1	0.1	0.1	0.1
252	4/8/2019 10:23:11	0.1	0.1	0.1	0.1

253	4/8/2019	10:23:41	0.1	0.1	0.1	0.1
254	4/8/2019	10:24:11	0.1	0.1	0.1	0.1
255	4/8/2019	10:24:41	0.1	0.1	0.1	0.1
256	4/8/2019	10:25:11	0.1	0.1	0.1	0.1
257	4/8/2019	10:25:41	0.1	0.1	0.1	0.1
258	4/8/2019	10:26:11	0.1	0.1	0.1	0.1
259	4/8/2019	10:26:41	0.1	0.1	0.1	0.1
260	4/8/2019	10:27:11	0.1	0.1	0.1	0.1
261	4/8/2019	10:27:41	0.1	0.1	0.1	0.1
262	4/8/2019	10:28:11	0.1	0.1	0.1	0.1
263	4/8/2019	10:28:41	0.1	0.1	0.1	0.1
264	4/8/2019	10:29:11	0.1	0.1	0.1	0.1
265	4/8/2019	10:29:41	0.1	0.1	0.1	0.1
266	4/8/2019	10:30:11	0.1	0.1	0.1	0.1
267	4/8/2019	10:30:41	0.1	0.1	0.1	0.1
268	4/8/2019	10:31:11	0.1	0.1	0.1	0.1
269	4/8/2019	10:31:41	0.1	0.1	0.1	0.1
270	4/8/2019	10:32:11	0.1	0.1	0.1	0.1
271	4/8/2019	10:32:41	0.1	0.1	0.1	0.1
272	4/8/2019	10:33:11	0.1	0.1	0.1	0.1
273	4/8/2019	10:33:41	0.1	0.1	0.1	0.1
274	4/8/2019	10:34:11	0.1	0.1	0.1	0.1
275	4/8/2019	10:34:41	0.1	0.1	0.1	0.1
276	4/8/2019	10:35:11	0.1	0.1	0.1	0.1
277	4/8/2019	10:35:41	0.1	0.1	0.1	0.1
278	4/8/2019	10:36:11	0.0	0.1	0.1	0.1
279	4/8/2019	10:36:41	0.1	0.1	0.1	0.1
280	4/8/2019	10:37:11	0.1	0.1	0.1	0.1
281	4/8/2019	10:37:41	0.1	0.1	0.1	0.1
282	4/8/2019	10:38:11	0.0	0.1	0.1	0.1
283	4/8/2019	10:38:41	0.1	0.1	0.1	0.1
284	4/8/2019	10:39:11	0.1	0.1	0.1	0.1
285	4/8/2019	10:39:41	0.1	0.1	0.1	0.1
286	4/8/2019	10:40:11	0.1	0.1	0.1	0.1
287	4/8/2019	10:40:41	0.1	0.1	0.1	0.1
288	4/8/2019	10:41:11	0.1	0.1	0.1	0.1
289	4/8/2019	10:41:41	0.1	0.1	0.1	0.1
290	4/8/2019	10:42:11	0.1	0.1	0.1	0.1
291	4/8/2019	10:42:41	0.1	0.1	0.1	0.1
292	4/8/2019	10:43:11	0.1	0.1	0.1	0.1
293	4/8/2019	10:43:41	0.1	0.1	0.1	0.1
294	4/8/2019	10:44:11	0.1	0.1	0.1	0.1
295	4/8/2019	10:44:41	0.1	0.1	0.1	0.1
296	4/8/2019	10:45:11	0.1	0.1	0.1	0.1
297	4/8/2019	10:45:41	0.1	0.2	0.6	0.4
298	4/8/2019	10:46:11	0.1	0.1	0.4	0.1
299	4/8/2019	10:46:41	0.1	0.1	0.1	0.1
300	4/8/2019	10:47:11	0.1	0.1	0.1	0.1
301	4/8/2019	10:47:41	0.1	0.1	0.1	0.1
302	4/8/2019	10:48:11	0.1	0.1	0.1	0.1
303	4/8/2019	10:48:41	0.1	0.1	0.2	0.2
304	4/8/2019	10:49:11	0.1	0.2	0.2	0.2
305	4/8/2019	10:49:41	0.2	0.2	0.2	0.2
306	4/8/2019	10:50:11	0.1	0.2	0.2	0.2
307	4/8/2019	10:50:41	0.1	0.1	0.2	0.1
308	4/8/2019	10:51:11	0.1	0.1	0.1	0.1
309	4/8/2019	10:51:41	0.1	0.1	0.1	0.1

310	4/8/2019	10:52:11	0.1	0.1	0.1	0.1
311	4/8/2019	10:52:41	0.1	0.1	0.1	0.1
312	4/8/2019	10:53:11	0.1	0.1	0.1	0.1
313	4/8/2019	10:53:41	0.1	0.1	0.1	0.1
314	4/8/2019	10:54:11	0.1	0.1	0.1	0.1
315	4/8/2019	10:54:41	0.1	0.1	0.1	0.1
316	4/8/2019	10:55:11	0.1	0.1	0.1	0.1
317	4/8/2019	10:55:41	0.1	0.1	0.1	0.1
318	4/8/2019	10:56:11	0.1	0.1	0.1	0.1
319	4/8/2019	10:56:41	0.1	0.1	0.1	0.1
320	4/8/2019	10:57:11	0.1	0.1	0.1	0.1
321	4/8/2019	10:57:41	0.1	0.1	0.1	0.1
322	4/8/2019	10:58:11	0.1	0.1	0.1	0.1
323	4/8/2019	10:58:41	0.1	0.1	0.1	0.1
324	4/8/2019	10:59:11	0.1	0.1	0.1	0.1
325	4/8/2019	10:59:41	0.1	0.1	0.1	0.1
326	4/8/2019	11:00:11	0.1	0.1	0.1	0.1
327	4/8/2019	11:00:41	0.1	0.1	0.1	0.1
328	4/8/2019	11:01:11	0.1	0.1	0.1	0.1
329	4/8/2019	11:01:41	0.1	0.1	0.1	0.1
330	4/8/2019	11:02:11	0.1	0.1	0.1	0.1
331	4/8/2019	11:02:41	0.1	0.1	0.1	0.1
332	4/8/2019	11:03:11	0.1	0.1	0.1	0.1
333	4/8/2019	11:03:41	0.1	0.1	0.1	0.1
334	4/8/2019	11:04:11	0.1	0.1	0.1	0.1
335	4/8/2019	11:04:41	0.1	0.1	0.1	0.1
336	4/8/2019	11:05:11	0.1	0.1	0.1	0.1
337	4/8/2019	11:05:41	0.1	0.1	0.1	0.1
338	4/8/2019	11:06:11	0.1	0.1	0.1	0.1
339	4/8/2019	11:06:41	0.1	0.1	0.1	0.1
340	4/8/2019	11:07:11	0.1	0.1	0.1	0.1
341	4/8/2019	11:07:41	0.1	0.1	0.1	0.1
342	4/8/2019	11:08:11	0.1	0.1	0.1	0.1
343	4/8/2019	11:08:41	0.1	0.1	0.1	0.1
344	4/8/2019	11:09:11	0.1	0.1	0.1	0.1
345	4/8/2019	11:09:41	0.1	0.1	0.2	0.1
346	4/8/2019	11:10:11	0.1	0.1	0.1	0.1
347	4/8/2019	11:10:41	0.1	0.1	0.1	0.1
348	4/8/2019	11:11:11	0.1	0.1	0.1	0.1
349	4/8/2019	11:11:41	0.1	0.1	0.1	0.1
350	4/8/2019	11:12:11	0.1	0.1	0.1	0.1
351	4/8/2019	11:12:41	0.1	0.1	0.1	0.1
352	4/8/2019	11:13:11	0.1	0.1	0.1	0.1
353	4/8/2019	11:13:41	0.1	0.1	0.1	0.1
354	4/8/2019	11:14:11	0.1	0.1	0.1	0.1
355	4/8/2019	11:14:41	0.1	0.1	0.1	0.1
356	4/8/2019	11:15:11	0.1	0.1	0.1	0.1
357	4/8/2019	11:15:41	0.1	0.1	0.1	0.1
358	4/8/2019	11:16:11	0.1	0.1	0.1	0.1
359	4/8/2019	11:16:41	0.1	0.1	0.1	0.1
360	4/8/2019	11:17:11	0.1	0.2	0.2	0.1
361	4/8/2019	11:17:41	0.1	0.1	0.1	0.1
362	4/8/2019	11:18:11	0.1	0.1	0.1	0.1
363	4/8/2019	11:18:41	0.1	0.1	0.1	0.1
364	4/8/2019	11:19:11	0.1	0.1	0.1	0.1
365	4/8/2019	11:19:41	0.1	0.1	0.1	0.1
366	4/8/2019	11:20:11	0.1	0.1	0.1	0.1

367	4/8/2019 11:20:41	0.1	0.1	0.1	0.1
368	4/8/2019 11:21:11	0.1	0.1	0.1	0.1
369	4/8/2019 11:21:41	0.1	0.1	0.1	0.1
370	4/8/2019 11:22:11	0.1	0.1	0.1	0.1
371	4/8/2019 11:22:41	0.1	0.1	0.1	0.1
372	4/8/2019 11:23:11	0.1	0.1	0.1	0.1
373	4/8/2019 11:23:41	0.1	0.1	0.1	0.1
374	4/8/2019 11:24:11	0.1	0.1	0.1	0.1
375	4/8/2019 11:24:41	0.1	0.1	0.1	0.1
376	4/8/2019 11:25:11	0.1	0.1	0.1	0.1
377	4/8/2019 11:25:41	0.1	0.1	0.1	0.1
378	4/8/2019 11:26:11	0.1	0.1	0.1	0.1
379	4/8/2019 11:26:41	0.1	0.1	0.1	0.1
380	4/8/2019 11:27:11	0.1	0.1	0.1	0.1
381	4/8/2019 11:27:41	0.1	0.1	0.1	0.1
382	4/8/2019 11:28:11	0.1	0.1	0.2	0.2
383	4/8/2019 11:28:41	0.1	0.2	0.2	0.1
384	4/8/2019 11:29:11	0.1	0.1	0.2	0.1
385	4/8/2019 11:29:41	0.1	0.1	0.1	0.1
386	4/8/2019 11:30:11	0.1	0.1	0.1	0.1
387	4/8/2019 11:30:41	0.1	0.1	0.1	0.1
388	4/8/2019 11:31:11	0.1	0.1	0.1	0.1
389	4/8/2019 11:31:41	0.1	0.1	0.1	0.1
390	4/8/2019 11:32:11	0.1	0.1	0.1	0.1
391	4/8/2019 11:32:41	0.1	0.1	0.1	0.1
392	4/8/2019 11:33:11	0.1	0.1	0.2	0.1
393	4/8/2019 11:33:41	0.1	0.1	0.1	0.1
394	4/8/2019 11:34:11	0.1	0.1	0.1	0.1
395	4/8/2019 11:34:41	0.1	0.1	0.2	0.1
396	4/8/2019 11:35:11	0.1	0.1	0.2	0.1
397	4/8/2019 11:35:41	0.1	0.1	0.2	0.1
398	4/8/2019 11:36:11	0.1	0.1	0.2	0.1
399	4/8/2019 11:36:41	0.1	0.1	0.2	0.1
400	4/8/2019 11:37:11	0.1	0.1	0.2	0.2
401	4/8/2019 11:37:41	0.1	0.2	0.2	0.2
402	4/8/2019 11:38:11	0.2	0.2	0.2	0.2
403	4/8/2019 11:38:41	0.2	0.2	0.2	0.2
404	4/8/2019 11:39:11	0.2	0.2	0.2	0.2
405	4/8/2019 11:39:41	0.1	0.2	0.2	0.2
406	4/8/2019 11:40:11	0.1	0.2	0.2	0.2
407	4/8/2019 11:40:41	0.1	0.2	0.2	0.1
408	4/8/2019 11:41:11	0.1	0.1	0.2	0.1
409	4/8/2019 11:41:41	0.1	0.2	0.2	0.2
410	4/8/2019 11:42:11	0.1	0.1	0.2	0.1
411	4/8/2019 11:42:41	0.1	0.2	0.2	0.2
412	4/8/2019 11:43:11	0.2	0.2	0.2	0.2
413	4/8/2019 11:43:41	0.1	0.1	0.2	0.1
414	4/8/2019 11:44:11	0.1	0.2	0.2	0.2
415	4/8/2019 11:44:41	0.1	0.2	0.2	0.1
416	4/8/2019 11:45:11	0.2	0.2	0.2	0.2
417	4/8/2019 11:45:41	0.1	0.2	0.2	0.2
418	4/8/2019 11:46:11	0.2	0.2	0.2	0.2
419	4/8/2019 11:46:41	0.2	0.2	0.2	0.2
420	4/8/2019 11:47:11	0.1	0.2	0.2	0.2
421	4/8/2019 11:47:41	0.2	0.2	0.2	0.2
422	4/8/2019 11:48:11	0.1	0.2	0.2	0.2
423	4/8/2019 11:48:41	0.1	0.2	0.2	0.2

424	4/8/2019 11:49:11	0.2	0.2	0.2	0.2
425	4/8/2019 11:49:41	0.1	0.2	0.2	0.1
426	4/8/2019 11:50:11	0.2	0.2	0.2	0.2
427	4/8/2019 11:50:41	0.2	0.2	0.2	0.2
428	4/8/2019 11:51:11	0.2	0.2	0.2	0.2
429	4/8/2019 11:51:41	0.2	0.2	0.2	0.2
430	4/8/2019 11:52:11	0.2	0.2	0.2	0.2
431	4/8/2019 11:52:41	0.2	0.2	0.2	0.2
432	4/8/2019 11:53:11	0.2	0.2	0.2	0.2
433	4/8/2019 11:53:41	0.1	0.2	0.2	0.2
434	4/8/2019 11:54:11	0.2	0.2	0.2	0.2
435	4/8/2019 11:54:41	0.2	0.2	0.2	0.2
436	4/8/2019 11:55:11	0.2	0.2	0.2	0.2
437	4/8/2019 11:55:41	0.2	0.2	0.2	0.2
438	4/8/2019 11:56:11	0.2	0.2	0.2	0.2
439	4/8/2019 11:56:41	0.2	0.2	0.2	0.2
440	4/8/2019 11:57:11	0.2	0.2	0.2	0.2
441	4/8/2019 11:57:41	0.2	0.2	0.2	0.2
442	4/8/2019 11:58:11	0.2	0.2	0.2	0.2
443	4/8/2019 11:58:41	0.2	0.2	0.2	0.2
444	4/8/2019 11:59:11	0.2	0.2	0.2	0.2
445	4/8/2019 11:59:41	0.2	0.2	0.2	0.2
446	4/8/2019 12:00:11	0.1	0.2	0.2	0.2
447	4/8/2019 12:00:41	0.2	0.2	0.2	0.2
448	4/8/2019 12:01:11	0.2	0.2	0.2	0.2
449	4/8/2019 12:01:41	0.2	0.2	0.2	0.2
450	4/8/2019 12:02:11	0.2	0.2	0.2	0.2
451	4/8/2019 12:02:41	0.2	0.2	0.2	0.2
452	4/8/2019 12:03:11	0.2	0.2	0.2	0.2
453	4/8/2019 12:03:41	0.2	0.2	0.2	0.2
454	4/8/2019 12:04:11	0.2	0.2	0.2	0.2
455	4/8/2019 12:04:41	0.1	0.2	0.2	0.2
456	4/8/2019 12:05:11	0.1	0.2	0.2	0.2
457	4/8/2019 12:05:41	0.2	0.2	0.2	0.2
458	4/8/2019 12:06:11	0.2	0.2	0.2	0.2
459	4/8/2019 12:06:41	0.1	0.2	0.2	0.2
460	4/8/2019 12:07:11	0.2	0.2	0.2	0.2
461	4/8/2019 12:07:41	0.2	0.2	0.2	0.2
462	4/8/2019 12:08:11	0.1	0.2	0.2	0.2
463	4/8/2019 12:08:41	0.2	0.2	0.2	0.2
464	4/8/2019 12:09:11	0.2	0.2	0.2	0.2
465	4/8/2019 12:09:41	0.2	0.2	0.2	0.2
466	4/8/2019 12:10:11	0.2	0.2	0.2	0.2
467	4/8/2019 12:10:41	0.2	0.2	0.2	0.2
468	4/8/2019 12:11:11	0.2	0.2	0.2	0.2
469	4/8/2019 12:11:41	0.1	0.2	0.2	0.2
470	4/8/2019 12:12:11	0.2	0.2	0.2	0.2
471	4/8/2019 12:12:41	0.2	0.2	0.2	0.2
472	4/8/2019 12:13:11	0.2	0.2	0.2	0.2
473	4/8/2019 12:13:41	0.2	0.2	0.2	0.2
474	4/8/2019 12:14:11	0.2	0.2	0.2	0.2
475	4/8/2019 12:14:41	0.1	0.2	0.2	0.2
476	4/8/2019 12:15:11	0.2	0.2	0.3	0.2
477	4/8/2019 12:15:41	0.2	0.2	0.2	0.2
478	4/8/2019 12:16:11	0.1	0.2	0.2	0.2
479	4/8/2019 12:16:41	0.2	0.2	0.2	0.2
480	4/8/2019 12:17:11	0.2	0.2	0.2	0.2

481	4/8/2019 12:17:41	0.2	0.2	0.2	0.2
482	4/8/2019 12:18:11	0.2	0.2	0.2	0.2
483	4/8/2019 12:18:41	0.1	0.2	0.2	0.2
484	4/8/2019 12:19:11	0.2	0.2	0.2	0.2
485	4/8/2019 12:19:41	0.1	0.2	0.2	0.2
486	4/8/2019 12:20:11	0.2	0.2	0.2	0.2
487	4/8/2019 12:20:41	0.2	0.2	0.2	0.2
488	4/8/2019 12:21:11	0.2	0.2	0.2	0.2
489	4/8/2019 12:21:41	0.2	0.2	0.2	0.2
490	4/8/2019 12:22:11	0.2	0.2	0.2	0.2
491	4/8/2019 12:22:41	0.2	0.2	0.2	0.2
492	4/8/2019 12:23:11	0.2	0.2	0.2	0.2
493	4/8/2019 12:23:41	0.2	0.2	0.2	0.2
494	4/8/2019 12:24:11	0.2	0.2	0.2	0.2
495	4/8/2019 12:24:41	0.2	0.2	0.2	0.2
496	4/8/2019 12:25:11	0.2	0.2	0.2	0.2
497	4/8/2019 12:25:41	0.2	0.2	0.2	0.2
498	4/8/2019 12:26:11	0.2	0.2	0.2	0.2
499	4/8/2019 12:26:41	0.2	0.2	0.2	0.2
500	4/8/2019 12:27:11	0.2	0.2	0.2	0.2
501	4/8/2019 12:27:41	0.2	0.2	0.2	0.2
502	4/8/2019 12:28:11	0.2	0.2	0.2	0.2
503	4/8/2019 12:28:41	0.2	0.2	0.2	0.2
504	4/8/2019 12:29:11	0.2	0.2	0.2	0.2
505	4/8/2019 12:29:41	0.2	0.2	0.2	0.2
506	4/8/2019 12:30:11	0.2	0.2	0.2	0.2
507	4/8/2019 12:30:41	0.2	0.2	0.2	0.2
508	4/8/2019 12:31:11	0.2	0.2	0.2	0.2
509	4/8/2019 12:31:41	0.2	0.2	0.2	0.2
510	4/8/2019 12:32:11	0.2	0.2	0.2	0.2
511	4/8/2019 12:32:41	0.2	0.2	0.2	0.2
512	4/8/2019 12:33:11	0.2	0.2	0.2	0.2
513	4/8/2019 12:33:41	0.2	0.2	0.2	0.2
514	4/8/2019 12:34:11	0.2	0.2	0.2	0.2
515	4/8/2019 12:34:41	0.2	0.2	0.2	0.2
516	4/8/2019 12:35:11	0.2	0.2	0.2	0.2
517	4/8/2019 12:35:41	0.2	0.2	0.2	0.2
518	4/8/2019 12:36:11	0.2	0.2	0.2	0.2
519	4/8/2019 12:36:41	0.2	0.2	0.2	0.2
520	4/8/2019 12:37:11	0.2	0.2	0.2	0.2
521	4/8/2019 12:37:41	0.2	0.2	0.2	0.2
522	4/8/2019 12:38:11	0.2	0.2	0.2	0.2
523	4/8/2019 12:38:41	0.2	0.2	0.2	0.2
524	4/8/2019 12:39:11	0.2	0.2	0.2	0.2
525	4/8/2019 12:39:41	0.2	0.2	0.3	0.2
526	4/8/2019 12:40:11	0.2	0.2	0.2	0.2
527	4/8/2019 12:40:41	0.2	0.2	0.2	0.2
528	4/8/2019 12:41:11	0.2	0.2	0.2	0.2
529	4/8/2019 12:41:41	0.2	0.2	0.2	0.2
530	4/8/2019 12:42:11	0.2	0.2	0.2	0.2
531	4/8/2019 12:42:41	0.2	0.2	0.2	0.2
532	4/8/2019 12:43:11	0.2	0.2	0.2	0.2
533	4/8/2019 12:43:41	0.2	0.2	0.2	0.2
534	4/8/2019 12:44:11	0.2	0.2	0.2	0.2
535	4/8/2019 12:44:41	0.2	0.2	0.2	0.2
536	4/8/2019 12:45:11	0.2	0.2	0.2	0.2
537	4/8/2019 12:45:41	0.2	0.2	0.2	0.2

538	4/8/2019 12:46:11	0.2	0.2	0.2	0.2
539	4/8/2019 12:46:41	0.2	0.2	0.2	0.2
540	4/8/2019 12:47:11	0.2	0.2	0.2	0.2
541	4/8/2019 12:47:41	0.2	0.2	0.2	0.2
542	4/8/2019 12:48:11	0.2	0.2	0.2	0.2
543	4/8/2019 12:48:41	0.2	0.2	0.2	0.2
544	4/8/2019 12:49:11	0.2	0.2	0.2	0.2
545	4/8/2019 12:49:41	0.2	0.2	0.2	0.2
546	4/8/2019 12:50:11	0.2	0.2	0.2	0.2
547	4/8/2019 12:50:41	0.2	0.2	0.2	0.2
548	4/8/2019 12:51:11	0.2	0.2	0.2	0.2
549	4/8/2019 12:51:41	0.2	0.2	0.2	0.2
550	4/8/2019 12:52:11	0.2	0.2	0.2	0.2
551	4/8/2019 12:52:41	0.2	0.2	0.2	0.2
552	4/8/2019 12:53:11	0.2	0.2	0.2	0.2
553	4/8/2019 12:53:41	0.2	0.2	0.2	0.2
554	4/8/2019 12:54:11	0.2	0.2	0.2	0.2
555	4/8/2019 12:54:41	0.2	0.2	0.2	0.2
556	4/8/2019 12:55:11	0.2	0.2	0.2	0.2
557	4/8/2019 12:55:41	0.2	0.2	0.2	0.2
558	4/8/2019 12:56:11	0.2	0.2	0.2	0.2
559	4/8/2019 12:56:41	0.2	0.2	0.2	0.2
560	4/8/2019 12:57:11	0.2	0.2	0.2	0.2
561	4/8/2019 12:57:41	0.2	0.2	0.2	0.2
562	4/8/2019 12:58:11	0.2	0.2	0.2	0.2
563	4/8/2019 12:58:41	0.2	0.2	0.2	0.2
564	4/8/2019 12:59:11	0.2	0.2	0.2	0.2
565	4/8/2019 12:59:41	0.2	0.2	0.2	0.2
566	4/8/2019 13:00:11	0.2	0.2	0.2	0.2
567	4/8/2019 13:00:41	0.1	0.2	0.2	0.2
568	4/8/2019 13:01:11	0.1	0.2	0.2	0.2
569	4/8/2019 13:01:41	0.2	0.2	0.2	0.2
570	4/8/2019 13:02:11	0.2	0.2	0.2	0.2
571	4/8/2019 13:02:41	0.1	0.2	0.2	0.2
572	4/8/2019 13:03:11	0.1	0.2	0.2	0.2
573	4/8/2019 13:03:41	0.2	0.2	0.2	0.2
574	4/8/2019 13:04:11	0.1	0.2	0.2	0.2
575	4/8/2019 13:04:41	0.1	0.2	0.2	0.1
576	4/8/2019 13:05:11	0.1	0.1	0.2	0.1
577	4/8/2019 13:05:41	0.1	0.1	0.2	0.1
578	4/8/2019 13:06:11	0.1	0.1	0.2	0.2
579	4/8/2019 13:06:41	0.1	0.1	0.2	0.2
580	4/8/2019 13:07:11	0.1	0.1	0.2	0.2
581	4/8/2019 13:07:41	0.1	0.1	0.2	0.1
582	4/8/2019 13:08:11	0.1	0.1	0.2	0.1
583	4/8/2019 13:08:41	0.1	0.2	0.2	0.2
584	4/8/2019 13:09:11	0.1	0.2	0.2	0.2
585	4/8/2019 13:09:41	0.1	0.2	0.2	0.1
586	4/8/2019 13:10:11	0.1	0.1	0.2	0.1
587	4/8/2019 13:10:41	0.1	0.1	0.2	0.2
588	4/8/2019 13:11:11	0.1	0.1	0.2	0.2
589	4/8/2019 13:11:41	0.1	0.1	0.2	0.2
590	4/8/2019 13:12:11	0.1	0.2	0.2	0.2
591	4/8/2019 13:12:41	0.1	0.2	0.2	0.2
592	4/8/2019 13:13:11	0.2	0.2	0.2	0.2
593	4/8/2019 13:13:41	0.2	0.2	0.2	0.2
594	4/8/2019 13:14:11	0.1	0.2	0.2	0.2

595	4/8/2019	13:14:41	0.2	0.2	0.2	0.2
596	4/8/2019	13:15:11	0.2	0.2	0.2	0.2
597	4/8/2019	13:15:41	0.2	0.2	0.2	0.2
598	4/8/2019	13:16:11	0.2	0.2	0.2	0.2
599	4/8/2019	13:16:41	0.2	0.2	0.2	0.2
600	4/8/2019	13:17:11	0.1	0.1	0.2	0.2
601	4/8/2019	13:17:41	0.1	0.2	0.2	0.2
602	4/8/2019	13:18:11	0.1	0.2	0.2	0.2
603	4/8/2019	13:18:41	0.2	0.2	0.2	0.2
604	4/8/2019	13:19:11	0.2	0.2	0.2	0.2
605	4/8/2019	13:19:41	0.2	0.2	0.2	0.2
606	4/8/2019	13:20:11	0.1	0.2	0.2	0.2
607	4/8/2019	13:20:41	0.1	0.2	0.2	0.2
608	4/8/2019	13:21:11	0.2	0.2	0.2	0.2
609	4/8/2019	13:21:41	0.2	0.2	0.2	0.2
610	4/8/2019	13:22:11	0.2	0.2	0.2	0.2
611	4/8/2019	13:22:41	0.2	0.2	0.2	0.2
612	4/8/2019	13:23:11	0.2	0.2	0.2	0.2
613	4/8/2019	13:23:41	0.2	0.2	0.2	0.2
614	4/8/2019	13:24:11	0.2	0.2	0.2	0.2
615	4/8/2019	13:24:41	0.2	0.2	0.2	0.2
616	4/8/2019	13:25:11	0.2	0.2	0.2	0.2
617	4/8/2019	13:25:41	0.2	0.2	0.2	0.2
618	4/8/2019	13:26:11	0.2	0.2	0.2	0.2
619	4/8/2019	13:26:41	0.2	0.2	0.2	0.2
620	4/8/2019	13:27:11	0.2	0.2	0.2	0.2
621	4/8/2019	13:27:41	0.2	0.2	0.2	0.2
622	4/8/2019	13:28:11	0.2	0.2	0.2	0.2
623	4/8/2019	13:28:41	0.2	0.2	0.2	0.2
624	4/8/2019	13:29:11	0.2	0.2	0.2	0.2
625	4/8/2019	13:29:41	0.2	0.2	0.2	0.2
626	4/8/2019	13:30:11	0.2	0.2	0.2	0.2
627	4/8/2019	13:30:41	0.2	0.2	0.2	0.2
628	4/8/2019	13:31:11	0.2	0.2	0.2	0.2
629	4/8/2019	13:31:41	0.2	0.2	0.2	0.2
630	4/8/2019	13:32:11	0.2	0.2	0.2	0.2
631	4/8/2019	13:32:41	0.1	0.2	0.2	0.1
632	4/8/2019	13:33:11	0.1	0.2	0.2	0.2
633	4/8/2019	13:33:41	0.2	0.2	0.2	0.2
634	4/8/2019	13:34:11	0.2	0.2	0.2	0.2
635	4/8/2019	13:34:41	0.2	0.2	0.2	0.2
636	4/8/2019	13:35:11	0.2	0.2	0.2	0.2
637	4/8/2019	13:35:41	0.1	0.2	0.2	0.1
638	4/8/2019	13:36:11	0.1	0.2	0.2	0.2
639	4/8/2019	13:36:41	0.1	0.2	0.2	0.2
640	4/8/2019	13:37:11	0.2	0.2	0.2	0.2
641	4/8/2019	13:37:41	0.2	0.2	0.2	0.2
642	4/8/2019	13:38:11	0.2	0.2	0.2	0.2
643	4/8/2019	13:38:41	0.2	0.2	0.2	0.2
644	4/8/2019	13:39:11	0.2	0.2	0.2	0.2
645	4/8/2019	13:39:41	0.2	0.2	0.2	0.2
646	4/8/2019	13:40:11	0.2	0.2	0.2	0.2
647	4/8/2019	13:40:41	0.1	0.2	0.2	0.1
648	4/8/2019	13:41:11	0.1	0.1	0.1	0.1
649	4/8/2019	13:41:41	0.1	0.1	0.1	0.1
650	4/8/2019	13:42:11	0.1	0.1	0.2	0.1
651	4/8/2019	13:42:41	0.1	0.1	0.2	0.1

652	4/8/2019	13:43:11	0.1	0.1	0.1	0.1
653	4/8/2019	13:43:41	0.1	0.1	0.1	0.1
654	4/8/2019	13:44:11	0.1	0.1	0.1	0.1
655	4/8/2019	13:44:41	0.1	0.1	0.1	0.1
656	4/8/2019	13:45:11	0.1	0.1	0.1	0.1
657	4/8/2019	13:45:41	0.1	0.1	0.1	0.1
658	4/8/2019	13:46:11	0.1	0.3	0.8	0.3
659	4/8/2019	13:46:41	0.1	0.2	0.3	0.1
660	4/8/2019	13:47:11	0.1	0.1	0.1	0.1
661	4/8/2019	13:47:41	0.1	0.1	0.1	0.1
662	4/8/2019	13:48:11	0.1	0.1	0.1	0.1
663	4/8/2019	13:48:41	0.1	0.1	0.1	0.1
664	4/8/2019	13:49:11	0.1	0.1	0.1	0.1
665	4/8/2019	13:49:41	0.1	0.1	0.1	0.1
666	4/8/2019	13:50:11	0.1	0.1	0.1	0.1
667	4/8/2019	13:50:41	0.1	0.1	0.1	0.1
668	4/8/2019	13:51:11	0.1	0.1	0.1	0.1
669	4/8/2019	13:51:41	0.1	0.1	0.2	0.1
670	4/8/2019	13:52:11	0.1	0.1	0.1	0.1
671	4/8/2019	13:52:41	0.1	0.1	0.1	0.1
672	4/8/2019	13:53:11	0.1	0.1	0.1	0.1
673	4/8/2019	13:53:41	0.1	0.1	0.1	0.1
674	4/8/2019	13:54:11	0.1	0.1	0.1	0.1
675	4/8/2019	13:54:41	0.1	0.1	0.1	0.1
676	4/8/2019	13:55:11	0.1	0.1	0.1	0.1
677	4/8/2019	13:55:41	0.1	0.1	0.1	0.1
678	4/8/2019	13:56:11	0.1	0.1	0.2	0.1
679	4/8/2019	13:56:41	0.1	0.2	0.2	0.2
680	4/8/2019	13:57:11	0.1	0.1	0.2	0.1
681	4/8/2019	13:57:41	0.1	0.1	0.2	0.2
682	4/8/2019	13:58:11	0.1	0.2	0.2	0.1
683	4/8/2019	13:58:41	0.1	0.2	0.2	0.2
684	4/8/2019	13:59:11	0.1	0.1	0.2	0.1
685	4/8/2019	13:59:41	0.1	0.2	0.2	0.2
686	4/8/2019	14:00:11	0.1	0.2	0.2	0.2
687	4/8/2019	14:00:41	0.1	0.2	0.2	0.2
688	4/8/2019	14:01:11	0.1	0.2	0.2	0.2
689	4/8/2019	14:01:41	0.2	0.2	0.2	0.2
690	4/8/2019	14:02:11	0.1	0.2	0.2	0.2
691	4/8/2019	14:02:41	0.1	0.2	0.2	0.2
692	4/8/2019	14:03:11	0.2	0.2	0.2	0.2
693	4/8/2019	14:03:41	0.1	0.2	0.2	0.2
694	4/8/2019	14:04:11	0.2	0.2	0.2	0.2
695	4/8/2019	14:04:41	0.2	0.2	0.2	0.2
696	4/8/2019	14:05:11	0.2	0.2	0.2	0.2
697	4/8/2019	14:05:41	0.2	0.2	0.2	0.2
698	4/8/2019	14:06:11	0.2	0.2	0.2	0.2
699	4/8/2019	14:06:41	0.2	0.2	0.2	0.2
700	4/8/2019	14:07:11	0.2	0.2	0.2	0.2
701	4/8/2019	14:07:41	0.2	0.2	0.2	0.2
702	4/8/2019	14:08:11	0.2	0.2	0.2	0.2
703	4/8/2019	14:08:41	0.1	0.2	0.2	0.2
704	4/8/2019	14:09:11	0.2	0.2	0.2	0.2
705	4/8/2019	14:09:41	0.1	0.2	0.2	0.2
706	4/8/2019	14:10:11	0.2	0.2	0.2	0.2
707	4/8/2019	14:10:41	0.2	0.2	0.2	0.2
708	4/8/2019	14:11:11	0.2	0.2	0.2	0.2

709	4/8/2019	14:11:41	0.2	0.2	0.2	0.2
710	4/8/2019	14:12:11	0.2	0.2	0.2	0.2
711	4/8/2019	14:12:41	0.1	0.1	0.2	0.1
712	4/8/2019	14:13:11	0.1	0.1	0.1	0.1
713	4/8/2019	14:13:41	0.1	0.1	0.2	0.2
714	4/8/2019	14:14:11	0.1	0.2	0.2	0.2
715	4/8/2019	14:14:41	0.2	0.2	0.2	0.2
716	4/8/2019	14:15:11	0.2	0.2	0.2	0.2
717	4/8/2019	14:15:41	0.2	0.2	0.2	0.2
718	4/8/2019	14:16:11	0.2	0.2	0.2	0.2
719	4/8/2019	14:16:41	0.2	0.2	0.2	0.2
720	4/8/2019	14:17:11	0.2	0.2	0.2	0.2
721	4/8/2019	14:17:41	0.2	0.2	0.2	0.2
722	4/8/2019	14:18:11	0.2	0.2	0.2	0.2
723	4/8/2019	14:18:41	0.2	0.2	0.2	0.2
724	4/8/2019	14:19:11	0.2	0.2	0.2	0.2
725	4/8/2019	14:19:41	0.2	0.2	0.2	0.2
726	4/8/2019	14:20:11	0.2	0.2	0.2	0.2
727	4/8/2019	14:20:41	0.2	0.2	0.2	0.2
728	4/8/2019	14:21:11	0.2	0.2	0.2	0.2
729	4/8/2019	14:21:41	0.2	0.2	0.2	0.2
730	4/8/2019	14:22:11	0.2	0.2	0.2	0.2
731	4/8/2019	14:22:41	0.2	0.2	0.3	0.3
732	4/8/2019	14:23:11	0.2	0.2	0.2	0.2
733	4/8/2019	14:23:41	0.2	0.2	0.2	0.2
734	4/8/2019	14:24:11	0.2	0.2	0.2	0.2
735	4/8/2019	14:24:41	0.2	0.2	0.2	0.2
736	4/8/2019	14:25:11	0.2	0.2	0.2	0.2
737	4/8/2019	14:25:41	0.2	0.2	0.2	0.2
738	4/8/2019	14:26:11	0.2	0.2	0.2	0.2
739	4/8/2019	14:26:41	0.2	0.2	0.2	0.2
740	4/8/2019	14:27:11	0.2	0.2	0.2	0.2
741	4/8/2019	14:27:41	0.2	0.2	0.2	0.2
742	4/8/2019	14:28:11	0.2	0.2	0.2	0.2
743	4/8/2019	14:28:41	0.2	0.2	0.2	0.2
744	4/8/2019	14:29:11	0.2	0.2	0.2	0.2
745	4/8/2019	14:29:41	0.2	0.2	0.2	0.2
746	4/8/2019	14:30:11	0.2	0.2	0.2	0.2
747	4/8/2019	14:30:41	0.2	0.2	0.2	0.2
748	4/8/2019	14:31:11	0.2	0.2	0.2	0.2
749	4/8/2019	14:31:41	0.2	0.2	0.2	0.2
750	4/8/2019	14:32:11	0.2	0.2	0.2	0.2
751	4/8/2019	14:32:41	0.2	0.2	0.2	0.2
752	4/8/2019	14:33:11	0.2	0.2	0.2	0.2
753	4/8/2019	14:33:41	0.2	0.2	0.2	0.2
754	4/8/2019	14:34:11	0.2	0.2	0.2	0.2
755	4/8/2019	14:34:41	0.2	0.2	0.2	0.2
756	4/8/2019	14:35:11	0.2	0.2	0.2	0.2
757	4/8/2019	14:35:41	0.2	0.2	0.2	0.2
758	4/8/2019	14:36:11	0.2	0.2	0.2	0.2
759	4/8/2019	14:36:41	0.2	0.2	0.2	0.2
760	4/8/2019	14:37:11	0.2	0.2	0.2	0.2
761	4/8/2019	14:37:41	0.2	0.2	0.2	0.2
762	4/8/2019	14:38:11	0.2	0.2	0.2	0.2
763	4/8/2019	14:38:41	0.2	0.2	0.2	0.2
764	4/8/2019	14:39:11	0.2	0.2	0.2	0.2
765	4/8/2019	14:39:41	0.2	0.2	0.2	0.2

766	4/8/2019 14:40:11	0.2	0.2	0.2	0.2
767	4/8/2019 14:40:41	0.2	0.2	0.2	0.2
768	4/8/2019 14:41:11	0.2	0.2	0.2	0.2
769	4/8/2019 14:41:41	0.2	0.2	0.2	0.2
770	4/8/2019 14:42:11	0.2	0.2	0.2	0.2
771	4/8/2019 14:42:41	0.2	0.2	0.2	0.2
772	4/8/2019 14:43:11	0.2	0.2	0.2	0.2
773	4/8/2019 14:43:41	0.2	0.2	0.2	0.2
774	4/8/2019 14:44:11	0.2	0.2	0.2	0.2
775	4/8/2019 14:44:41	0.2	0.2	0.2	0.2
776	4/8/2019 14:45:11	0.2	0.2	0.2	0.2
777	4/8/2019 14:45:41	0.2	0.2	0.2	0.2
778	4/8/2019 14:46:11	0.2	0.2	0.3	0.3
779	4/8/2019 14:46:41	0.2	0.2	0.3	0.2
780	4/8/2019 14:47:11	0.2	0.2	0.2	0.2
781	4/8/2019 14:47:41	0.2	0.2	0.2	0.2
782	4/8/2019 14:48:11	0.2	0.2	0.2	0.2
783	4/8/2019 14:48:41	0.2	0.2	0.2	0.2
784	4/8/2019 14:49:11	0.2	0.2	0.2	0.2
785	4/8/2019 14:49:41	0.2	0.2	0.2	0.2
786	4/8/2019 14:50:11	0.2	0.2	0.2	0.2
787	4/8/2019 14:50:41	0.2	0.2	0.2	0.2
788	4/8/2019 14:51:11	0.2	0.2	0.2	0.2
789	4/8/2019 14:51:41	0.2	0.2	0.2	0.2
790	4/8/2019 14:52:11	0.2	0.2	0.2	0.2
791	4/8/2019 14:52:41	0.2	0.2	0.2	0.2
792	4/8/2019 14:53:11	0.2	0.2	0.2	0.2
793	4/8/2019 14:53:41	0.2	0.2	0.2	0.2
794	4/8/2019 14:54:11	0.2	0.2	0.2	0.2
795	4/8/2019 14:54:41	0.2	0.2	0.2	0.2
796	4/8/2019 14:55:11	0.2	0.2	0.2	0.2
797	4/8/2019 14:55:41	0.2	0.2	0.2	0.2
798	4/8/2019 14:56:11	0.2	0.2	0.2	0.2
799	4/8/2019 14:56:41	0.2	0.2	0.2	0.2
800	4/8/2019 14:57:11	0.2	0.2	0.2	0.2
801	4/8/2019 14:57:41	0.2	0.2	0.2	0.2
802	4/8/2019 14:58:11	0.2	0.2	0.2	0.2
803	4/8/2019 14:58:41	0.2	0.2	0.2	0.2
804	4/8/2019 14:59:11	0.2	0.2	0.2	0.2
805	4/8/2019 14:59:41	0.2	0.2	0.2	0.2
806	4/8/2019 15:00:11	0.2	0.2	0.2	0.2
807	4/8/2019 15:00:41	0.2	0.2	0.2	0.2
808	4/8/2019 15:01:11	0.2	0.2	0.2	0.2
809	4/8/2019 15:01:41	0.2	0.2	0.2	0.2
810	4/8/2019 15:02:11	0.2	0.2	0.2	0.2
811	4/8/2019 15:02:41	0.2	0.2	0.2	0.2
812	4/8/2019 15:03:11	0.2	0.2	0.2	0.2
813	4/8/2019 15:03:41	0.2	0.2	0.2	0.2
814	4/8/2019 15:04:11	0.2	0.2	0.2	0.2
815	4/8/2019 15:04:41	0.2	0.2	0.2	0.2
816	4/8/2019 15:05:11	0.2	0.2	0.2	0.2
817	4/8/2019 15:05:41	0.2	0.2	0.2	0.2
818	4/8/2019 15:06:11	0.2	0.2	0.2	0.2
819	4/8/2019 15:06:41	0.2	0.2	0.2	0.2
820	4/8/2019 15:07:11	0.2	0.2	0.2	0.2
821	4/8/2019 15:07:41	0.2	0.2	0.2	0.2
822	4/8/2019 15:08:11	0.2	0.2	0.2	0.2

Peak	0.2	0.3	0.8	0.4
Min	0.0	0.0	0.0	0.0
Average	0.1	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/8/2019 08:17:41	0.0	---
002	4/8/2019 08:18:11	0.0	---
003	4/8/2019 08:18:41	0.0	---
004	4/8/2019 08:19:11	0.0	---
005	4/8/2019 08:19:41	0.0	---
006	4/8/2019 08:20:11	0.0	---
007	4/8/2019 08:20:41	0.0	---
008	4/8/2019 08:21:11	0.0	---
009	4/8/2019 08:21:41	0.0	---
010	4/8/2019 08:22:11	0.0	---
011	4/8/2019 08:22:41	0.0	---
012	4/8/2019 08:23:11	0.0	---
013	4/8/2019 08:23:41	0.0	---
014	4/8/2019 08:24:11	0.0	---
015	4/8/2019 08:24:41	0.0	---
016	4/8/2019 08:25:11	0.0	---
017	4/8/2019 08:25:41	0.0	---
018	4/8/2019 08:26:11	0.0	---
019	4/8/2019 08:26:41	0.0	---
020	4/8/2019 08:27:11	0.0	---
021	4/8/2019 08:27:41	0.0	---
022	4/8/2019 08:28:11	0.0	---
023	4/8/2019 08:28:41	0.0	---
024	4/8/2019 08:29:11	0.0	---
025	4/8/2019 08:29:41	0.0	---
026	4/8/2019 08:30:11	0.0	---
027	4/8/2019 08:30:41	0.0	---
028	4/8/2019 08:31:11	0.0	---
029	4/8/2019 08:31:41	0.0	---
030	4/8/2019 08:32:11	0.0	0.0
031	4/8/2019 08:32:41	0.0	0.0
032	4/8/2019 08:33:11	0.0	0.0
033	4/8/2019 08:33:41	0.0	0.0
034	4/8/2019 08:34:11	0.0	0.0
035	4/8/2019 08:34:41	0.0	0.0
036	4/8/2019 08:35:11	0.0	0.0
037	4/8/2019 08:35:41	0.0	0.0
038	4/8/2019 08:36:11	0.0	0.0
039	4/8/2019 08:36:41	0.0	0.0
040	4/8/2019 08:37:11	0.0	0.0
041	4/8/2019 08:37:41	0.0	0.0
042	4/8/2019 08:38:11	0.0	0.0
043	4/8/2019 08:38:41	0.0	0.0
044	4/8/2019 08:39:11	0.0	0.0
045	4/8/2019 08:39:41	0.0	0.0
046	4/8/2019 08:40:11	0.0	0.0
047	4/8/2019 08:40:41	0.0	0.0
048	4/8/2019 08:41:11	0.0	0.0
049	4/8/2019 08:41:41	0.0	0.0

050	4/8/2019 08:42:11	0.0	0.0
051	4/8/2019 08:42:41	0.0	0.0
052	4/8/2019 08:43:11	0.0	0.0
053	4/8/2019 08:43:41	0.0	0.0
054	4/8/2019 08:44:11	0.0	0.0
055	4/8/2019 08:44:41	0.0	0.0
056	4/8/2019 08:45:11	0.0	0.0
057	4/8/2019 08:45:41	0.0	0.0
058	4/8/2019 08:46:11	0.0	0.0
059	4/8/2019 08:46:41	0.0	0.0
060	4/8/2019 08:47:11	0.0	0.0
061	4/8/2019 08:47:41	0.0	0.0
062	4/8/2019 08:48:11	0.0	0.0
063	4/8/2019 08:48:41	0.0	0.0
064	4/8/2019 08:49:11	0.0	0.0
065	4/8/2019 08:49:41	0.0	0.0
066	4/8/2019 08:50:11	0.0	0.0
067	4/8/2019 08:50:41	0.0	0.0
068	4/8/2019 08:51:11	0.0	0.0
069	4/8/2019 08:51:41	0.0	0.0
070	4/8/2019 08:52:11	0.0	0.0
071	4/8/2019 08:52:41	0.0	0.0
072	4/8/2019 08:53:11	0.0	0.0
073	4/8/2019 08:53:41	0.0	0.0
074	4/8/2019 08:54:11	0.0	0.0
075	4/8/2019 08:54:41	0.0	0.0
076	4/8/2019 08:55:11	0.0	0.0
077	4/8/2019 08:55:41	0.0	0.0
078	4/8/2019 08:56:11	0.0	0.0
079	4/8/2019 08:56:41	0.0	0.0
080	4/8/2019 08:57:11	0.0	0.0
081	4/8/2019 08:57:41	0.0	0.0
082	4/8/2019 08:58:11	0.0	0.0
083	4/8/2019 08:58:41	0.0	0.0
084	4/8/2019 08:59:11	0.0	0.0
085	4/8/2019 08:59:41	0.0	0.0
086	4/8/2019 09:00:11	0.0	0.0
087	4/8/2019 09:00:41	0.0	0.0
088	4/8/2019 09:01:11	0.0	0.0
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090	4/8/2019 09:02:11	0.0	0.0
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093	4/8/2019 09:03:41	0.0	0.0
094	4/8/2019 09:04:11	0.0	0.0
095	4/8/2019 09:04:41	0.0	0.0
096	4/8/2019 09:05:11	0.0	0.0
097	4/8/2019 09:05:41	0.0	0.0
098	4/8/2019 09:06:11	0.0	0.0
099	4/8/2019 09:06:41	0.0	0.0
100	4/8/2019 09:07:11	0.0	0.0
101	4/8/2019 09:07:41	0.0	0.0
102	4/8/2019 09:08:11	0.0	0.0
103	4/8/2019 09:08:41	0.0	0.0
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122	4/8/2019 09:18:11	0.0	0.0
123	4/8/2019 09:18:41	0.0	0.0
124	4/8/2019 09:19:11	0.0	0.0
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130	4/8/2019 09:22:11	0.0	0.0
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140	4/8/2019 09:27:11	0.0	0.0
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143	4/8/2019 09:28:41	0.0	0.0
144	4/8/2019 09:29:11	0.0	0.0
145	4/8/2019 09:29:41	0.0	0.0
146	4/8/2019 09:30:11	0.0	0.0
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334	4/8/2019 11:04:11	0.0	0.1

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453	4/8/2019 12:03:41	0.0	0.2
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455	4/8/2019 12:04:41	0.0	0.2
456	4/8/2019 12:05:11	0.0	0.2
457	4/8/2019 12:05:41	0.0	0.2
458	4/8/2019 12:06:11	0.0	0.2
459	4/8/2019 12:06:41	0.0	0.2
460	4/8/2019 12:07:11	0.0	0.2
461	4/8/2019 12:07:41	0.0	0.2
462	4/8/2019 12:08:11	0.0	0.2
463	4/8/2019 12:08:41	0.0	0.2
464	4/8/2019 12:09:11	0.0	0.2
465	4/8/2019 12:09:41	0.0	0.2
466	4/8/2019 12:10:11	0.0	0.2
467	4/8/2019 12:10:41	0.0	0.2
468	4/8/2019 12:11:11	0.0	0.2
469	4/8/2019 12:11:41	0.0	0.2
470	4/8/2019 12:12:11	0.0	0.2
471	4/8/2019 12:12:41	0.0	0.2
472	4/8/2019 12:13:11	0.0	0.2
473	4/8/2019 12:13:41	0.0	0.2
474	4/8/2019 12:14:11	0.0	0.2
475	4/8/2019 12:14:41	0.0	0.2
476	4/8/2019 12:15:11	0.0	0.2
477	4/8/2019 12:15:41	0.0	0.2
478	4/8/2019 12:16:11	0.0	0.2
479	4/8/2019 12:16:41	0.0	0.2
480	4/8/2019 12:17:11	0.0	0.2
481	4/8/2019 12:17:41	0.0	0.2
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484	4/8/2019 12:19:11	0.0	0.2
485	4/8/2019 12:19:41	0.0	0.2
486	4/8/2019 12:20:11	0.0	0.2
487	4/8/2019 12:20:41	0.0	0.2
488	4/8/2019 12:21:11	0.0	0.2
489	4/8/2019 12:21:41	0.0	0.2
490	4/8/2019 12:22:11	0.0	0.2
491	4/8/2019 12:22:41	0.0	0.2
492	4/8/2019 12:23:11	0.0	0.2
493	4/8/2019 12:23:41	0.0	0.2
494	4/8/2019 12:24:11	0.0	0.2
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496	4/8/2019 12:25:11	0.0	0.2
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498	4/8/2019 12:26:11	0.0	0.2
499	4/8/2019 12:26:41	0.0	0.2
500	4/8/2019 12:27:11	0.0	0.2
501	4/8/2019 12:27:41	0.0	0.2
502	4/8/2019 12:28:11	0.0	0.2
503	4/8/2019 12:28:41	0.0	0.2
504	4/8/2019 12:29:11	0.0	0.2
505	4/8/2019 12:29:41	0.0	0.2

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808	4/8/2019 15:01:11	0.1	0.2
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819	4/8/2019 15:06:41	0.1	0.2
820	4/8/2019 15:07:11	0.1	0.2
821	4/8/2019 15:07:41	0.1	0.2
822	4/8/2019 15:08:11	0.1	0.2

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19/04/09 07:27

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910551
Unit Firmware Ver	V2.16

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

Site ID	00000037
User ID	00000001

Begin	4/9/2019 07:27:23
End	4/9/2019 07:29:00
Sample Period(s)	30
Number of Records	3

Sensor	PID(ppm)
Sensor SN	S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/8/2019 08:12
Peak 0.0
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/9/2019 07:27:53	0.0	0.0	0.0	0.0
002	4/9/2019 07:28:23	0.0	0.0	0.0	0.0
003	4/9/2019 07:28:53	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

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/9/2019 07:27:53	0.0	---
002	4/9/2019 07:28:23	0.0	---
003	4/9/2019 07:28:53	0.0	---

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19/04/09 07:39

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin 4/9/2019 07:39:28
End 4/9/2019 15:07:46
Sample Period(s) 30
Number of Records 896

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/9/2019 07:32
Peak 0.3
Min 0.0
Average 0.2

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/9/2019 07:39:58	0.0	0.0	0.0	0.0
002	4/9/2019 07:40:28	0.0	0.0	0.0	0.0
003	4/9/2019 07:40:58	0.0	0.0	0.0	0.0
004	4/9/2019 07:41:28	0.0	0.0	0.0	0.0
005	4/9/2019 07:41:58	0.0	0.0	0.0	0.0
006	4/9/2019 07:42:28	0.0	0.0	0.0	0.0
007	4/9/2019 07:42:58	0.0	0.0	0.0	0.0
008	4/9/2019 07:43:28	0.0	0.0	0.0	0.0
009	4/9/2019 07:43:58	0.0	0.0	0.0	0.0
010	4/9/2019 07:44:28	0.0	0.0	0.0	0.0
011	4/9/2019 07:44:58	0.0	0.0	0.0	0.0
012	4/9/2019 07:45:28	0.0	0.0	0.0	0.0
013	4/9/2019 07:45:58	0.0	0.0	0.0	0.0
014	4/9/2019 07:46:28	0.0	0.0	0.0	0.0
015	4/9/2019 07:46:58	0.0	0.0	0.0	0.0
016	4/9/2019 07:47:28	0.0	0.0	0.0	0.0
017	4/9/2019 07:47:58	0.0	0.0	0.0	0.0
018	4/9/2019 07:48:28	0.0	0.0	0.0	0.0
019	4/9/2019 07:48:58	0.0	0.0	0.0	0.0
020	4/9/2019 07:49:28	0.0	0.0	0.0	0.0
021	4/9/2019 07:49:58	0.0	0.0	0.0	0.0
022	4/9/2019 07:50:28	0.0	0.0	0.0	0.0
023	4/9/2019 07:50:58	0.0	0.0	0.0	0.0
024	4/9/2019 07:51:28	0.0	0.0	0.0	0.0
025	4/9/2019 07:51:58	0.0	0.0	0.0	0.0
026	4/9/2019 07:52:28	0.0	0.0	0.0	0.0
027	4/9/2019 07:52:58	0.0	0.0	0.0	0.0
028	4/9/2019 07:53:28	0.0	0.0	0.0	0.0
029	4/9/2019 07:53:58	0.0	0.0	0.0	0.0
030	4/9/2019 07:54:28	0.0	0.0	0.0	0.0
031	4/9/2019 07:54:58	0.0	0.0	0.0	0.0
032	4/9/2019 07:55:28	0.0	0.0	0.0	0.0
033	4/9/2019 07:55:58	0.0	0.0	0.0	0.0
034	4/9/2019 07:56:28	0.0	0.0	0.0	0.0
035	4/9/2019 07:56:58	0.0	0.0	0.0	0.0
036	4/9/2019 07:57:28	0.0	0.0	0.0	0.0
037	4/9/2019 07:57:58	0.0	0.0	0.0	0.0
038	4/9/2019 07:58:28	0.0	0.0	0.0	0.0
039	4/9/2019 07:58:58	0.0	0.0	0.0	0.0
040	4/9/2019 07:59:28	0.0	0.0	0.0	0.0
041	4/9/2019 07:59:58	0.0	0.0	0.0	0.0

042	4/9/2019	08:00:28	0.0	0.0	0.0	0.0
043	4/9/2019	08:00:58	0.0	0.0	0.0	0.0
044	4/9/2019	08:01:28	0.0	0.0	0.0	0.0
045	4/9/2019	08:01:58	0.0	0.0	0.0	0.0
046	4/9/2019	08:02:28	0.0	0.0	0.0	0.0
047	4/9/2019	08:02:58	0.0	0.0	0.0	0.0
048	4/9/2019	08:03:28	0.0	0.0	0.0	0.0
049	4/9/2019	08:03:58	0.0	0.0	0.0	0.0
050	4/9/2019	08:04:28	0.0	0.0	0.0	0.0
051	4/9/2019	08:04:58	0.0	0.0	0.0	0.0
052	4/9/2019	08:05:28	0.0	0.0	0.0	0.0
053	4/9/2019	08:05:58	0.0	0.0	0.0	0.0
054	4/9/2019	08:06:28	0.0	0.0	0.0	0.0
055	4/9/2019	08:06:58	0.0	0.0	0.0	0.0
056	4/9/2019	08:07:28	0.0	0.0	0.0	0.0
057	4/9/2019	08:07:58	0.0	0.0	0.0	0.0
058	4/9/2019	08:08:28	0.0	0.0	0.0	0.0
059	4/9/2019	08:08:58	0.0	0.0	0.0	0.0
060	4/9/2019	08:09:28	0.0	0.0	0.0	0.0
061	4/9/2019	08:09:58	0.0	0.0	0.0	0.0
062	4/9/2019	08:10:28	0.0	0.0	0.0	0.0
063	4/9/2019	08:10:58	0.0	0.0	0.0	0.0
064	4/9/2019	08:11:28	0.0	0.0	0.0	0.0
065	4/9/2019	08:11:58	0.0	0.0	0.0	0.0
066	4/9/2019	08:12:28	0.0	0.0	0.0	0.0
067	4/9/2019	08:12:58	0.0	0.0	0.0	0.0
068	4/9/2019	08:13:28	0.0	0.0	0.0	0.0
069	4/9/2019	08:13:58	0.0	0.0	0.0	0.0
070	4/9/2019	08:14:28	0.0	0.0	0.0	0.0
071	4/9/2019	08:14:58	0.0	0.0	0.0	0.0
072	4/9/2019	08:15:28	0.0	0.0	0.0	0.0
073	4/9/2019	08:15:58	0.0	0.0	0.0	0.0
074	4/9/2019	08:16:28	0.0	0.0	0.0	0.0
075	4/9/2019	08:16:58	0.0	0.0	0.0	0.0
076	4/9/2019	08:17:28	0.0	0.0	0.0	0.0
077	4/9/2019	08:17:58	0.0	0.0	0.0	0.0
078	4/9/2019	08:18:28	0.0	0.0	0.0	0.0
079	4/9/2019	08:18:58	0.0	0.0	0.1	0.1
080	4/9/2019	08:19:28	0.1	0.1	0.1	0.1
081	4/9/2019	08:19:58	0.0	0.1	0.1	0.1
082	4/9/2019	08:20:28	0.1	0.1	0.1	0.1
083	4/9/2019	08:20:58	0.1	0.1	0.1	0.1
084	4/9/2019	08:21:28	0.1	0.1	0.1	0.1
085	4/9/2019	08:21:58	0.1	0.1	0.1	0.1
086	4/9/2019	08:22:28	0.1	0.1	0.1	0.1
087	4/9/2019	08:22:58	0.0	0.0	0.1	0.1
088	4/9/2019	08:23:28	0.0	0.1	0.1	0.1
089	4/9/2019	08:23:58	0.1	0.1	0.1	0.1
090	4/9/2019	08:24:28	0.1	0.1	0.1	0.1
091	4/9/2019	08:24:58	0.1	0.1	0.1	0.1
092	4/9/2019	08:25:28	0.1	0.1	0.1	0.1
093	4/9/2019	08:25:58	0.1	0.1	0.1	0.1
094	4/9/2019	08:26:28	0.1	0.1	0.1	0.1
095	4/9/2019	08:26:58	0.1	0.1	0.1	0.1
096	4/9/2019	08:27:28	0.1	0.1	0.1	0.1
097	4/9/2019	08:27:58	0.1	0.1	0.1	0.1
098	4/9/2019	08:28:28	0.1	0.1	0.1	0.1

099	4/9/2019 08:28:58	0.1	0.1	0.1	0.1
100	4/9/2019 08:29:28	0.1	0.1	0.1	0.1
101	4/9/2019 08:29:58	0.1	0.1	0.1	0.1
102	4/9/2019 08:30:28	0.1	0.1	0.1	0.1
103	4/9/2019 08:30:58	0.1	0.1	0.1	0.1
104	4/9/2019 08:31:28	0.1	0.1	0.1	0.1
105	4/9/2019 08:31:58	0.1	0.1	0.1	0.1
106	4/9/2019 08:32:28	0.1	0.1	0.1	0.1
107	4/9/2019 08:32:58	0.1	0.1	0.1	0.1
108	4/9/2019 08:33:28	0.1	0.1	0.1	0.1
109	4/9/2019 08:33:58	0.1	0.1	0.1	0.1
110	4/9/2019 08:34:28	0.1	0.1	0.1	0.1
111	4/9/2019 08:34:58	0.1	0.1	0.1	0.1
112	4/9/2019 08:35:28	0.1	0.1	0.1	0.1
113	4/9/2019 08:35:58	0.1	0.1	0.1	0.1
114	4/9/2019 08:36:28	0.1	0.1	0.2	0.1
115	4/9/2019 08:36:58	0.1	0.1	0.1	0.1
116	4/9/2019 08:37:28	0.1	0.1	0.1	0.1
117	4/9/2019 08:37:58	0.1	0.1	0.1	0.1
118	4/9/2019 08:38:28	0.1	0.1	0.1	0.1
119	4/9/2019 08:38:58	0.1	0.1	0.1	0.1
120	4/9/2019 08:39:28	0.1	0.1	0.1	0.1
121	4/9/2019 08:39:58	0.1	0.1	0.1	0.1
122	4/9/2019 08:40:28	0.1	0.1	0.1	0.1
123	4/9/2019 08:40:58	0.1	0.1	0.1	0.1
124	4/9/2019 08:41:28	0.1	0.1	0.1	0.1
125	4/9/2019 08:41:58	0.1	0.1	0.1	0.1
126	4/9/2019 08:42:28	0.1	0.1	0.1	0.1
127	4/9/2019 08:42:58	0.1	0.1	0.1	0.1
128	4/9/2019 08:43:28	0.1	0.1	0.1	0.1
129	4/9/2019 08:43:58	0.1	0.1	0.1	0.1
130	4/9/2019 08:44:28	0.1	0.1	0.1	0.1
131	4/9/2019 08:44:58	0.1	0.1	0.1	0.1
132	4/9/2019 08:45:28	0.1	0.1	0.1	0.1
133	4/9/2019 08:45:58	0.1	0.1	0.1	0.1
134	4/9/2019 08:46:28	0.1	0.1	0.1	0.1
135	4/9/2019 08:46:58	0.1	0.1	0.1	0.1
136	4/9/2019 08:47:28	0.1	0.1	0.1	0.1
137	4/9/2019 08:47:58	0.1	0.1	0.1	0.1
138	4/9/2019 08:48:28	0.1	0.1	0.1	0.1
139	4/9/2019 08:48:58	0.1	0.1	0.1	0.1
140	4/9/2019 08:49:28	0.1	0.1	0.1	0.1
141	4/9/2019 08:49:58	0.1	0.1	0.1	0.1
142	4/9/2019 08:50:28	0.1	0.1	0.1	0.1
143	4/9/2019 08:50:58	0.1	0.1	0.1	0.1
144	4/9/2019 08:51:28	0.1	0.1	0.1	0.1
145	4/9/2019 08:51:58	0.1	0.1	0.1	0.1
146	4/9/2019 08:52:28	0.1	0.1	0.1	0.1
147	4/9/2019 08:52:58	0.1	0.1	0.1	0.1
148	4/9/2019 08:53:28	0.1	0.1	0.1	0.1
149	4/9/2019 08:53:58	0.1	0.1	0.1	0.1
150	4/9/2019 08:54:28	0.1	0.1	0.1	0.1
151	4/9/2019 08:54:58	0.1	0.1	0.1	0.1
152	4/9/2019 08:55:28	0.1	0.1	0.1	0.1
153	4/9/2019 08:55:58	0.1	0.1	0.1	0.1
154	4/9/2019 08:56:28	0.1	0.1	0.1	0.1
155	4/9/2019 08:56:58	0.1	0.1	0.1	0.1

156	4/9/2019 08:57:28	0.1	0.1	0.1	0.1
157	4/9/2019 08:57:58	0.1	0.1	0.1	0.1
158	4/9/2019 08:58:28	0.1	0.1	0.1	0.1
159	4/9/2019 08:58:58	0.1	0.1	0.1	0.1
160	4/9/2019 08:59:28	0.1	0.1	0.1	0.1
161	4/9/2019 08:59:58	0.1	0.1	0.1	0.1
162	4/9/2019 09:00:28	0.1	0.1	0.1	0.1
163	4/9/2019 09:00:58	0.1	0.1	0.1	0.1
164	4/9/2019 09:01:28	0.1	0.1	0.1	0.1
165	4/9/2019 09:01:58	0.1	0.1	0.1	0.1
166	4/9/2019 09:02:28	0.1	0.1	0.1	0.1
167	4/9/2019 09:02:58	0.1	0.1	0.1	0.1
168	4/9/2019 09:03:28	0.1	0.1	0.1	0.1
169	4/9/2019 09:03:58	0.1	0.1	0.1	0.1
170	4/9/2019 09:04:28	0.1	0.1	0.1	0.1
171	4/9/2019 09:04:58	0.1	0.1	0.1	0.1
172	4/9/2019 09:05:28	0.1	0.1	0.1	0.1
173	4/9/2019 09:05:58	0.1	0.1	0.1	0.1
174	4/9/2019 09:06:28	0.1	0.1	0.1	0.1
175	4/9/2019 09:06:58	0.1	0.1	0.1	0.1
176	4/9/2019 09:07:28	0.1	0.1	0.1	0.1
177	4/9/2019 09:07:58	0.1	0.1	0.1	0.1
178	4/9/2019 09:08:28	0.1	0.1	0.1	0.1
179	4/9/2019 09:08:58	0.1	0.1	0.1	0.1
180	4/9/2019 09:09:28	0.1	0.1	0.1	0.1
181	4/9/2019 09:09:58	0.1	0.1	0.1	0.1
182	4/9/2019 09:10:28	0.1	0.1	0.1	0.1
183	4/9/2019 09:10:58	0.1	0.1	0.1	0.1
184	4/9/2019 09:11:28	0.1	0.1	0.2	0.1
185	4/9/2019 09:11:58	0.1	0.1	0.2	0.2
186	4/9/2019 09:12:28	0.1	0.1	0.2	0.1
187	4/9/2019 09:12:58	0.1	0.1	0.1	0.1
188	4/9/2019 09:13:28	0.1	0.1	0.1	0.1
189	4/9/2019 09:13:58	0.1	0.1	0.1	0.1
190	4/9/2019 09:14:28	0.1	0.1	0.1	0.1
191	4/9/2019 09:14:58	0.1	0.1	0.1	0.1
192	4/9/2019 09:15:28	0.1	0.1	0.1	0.1
193	4/9/2019 09:15:58	0.1	0.1	0.1	0.1
194	4/9/2019 09:16:28	0.1	0.1	0.1	0.1
195	4/9/2019 09:16:58	0.1	0.1	0.1	0.1
196	4/9/2019 09:17:28	0.1	0.1	0.2	0.1
197	4/9/2019 09:17:58	0.1	0.1	0.1	0.1
198	4/9/2019 09:18:28	0.1	0.1	0.1	0.1
199	4/9/2019 09:18:58	0.1	0.1	0.1	0.1
200	4/9/2019 09:19:28	0.1	0.1	0.1	0.1
201	4/9/2019 09:19:58	0.1	0.1	0.1	0.1
202	4/9/2019 09:20:28	0.1	0.1	0.1	0.1
203	4/9/2019 09:20:58	0.1	0.1	0.1	0.1
204	4/9/2019 09:21:28	0.1	0.1	0.1	0.1
205	4/9/2019 09:21:58	0.1	0.1	0.1	0.1
206	4/9/2019 09:22:28	0.1	0.1	0.1	0.1
207	4/9/2019 09:22:58	0.1	0.1	0.1	0.1
208	4/9/2019 09:23:28	0.1	0.1	0.1	0.1
209	4/9/2019 09:23:58	0.1	0.1	0.2	0.2
210	4/9/2019 09:24:28	0.1	0.2	0.2	0.2
211	4/9/2019 09:24:58	0.2	0.2	0.2	0.2
212	4/9/2019 09:25:28	0.1	0.1	0.2	0.1

213	4/9/2019 09:25:58	0.1	0.2	0.2	0.2
214	4/9/2019 09:26:28	0.1	0.2	0.2	0.1
215	4/9/2019 09:26:58	0.1	0.2	0.2	0.2
216	4/9/2019 09:27:28	0.1	0.2	0.2	0.2
217	4/9/2019 09:27:58	0.2	0.2	0.2	0.2
218	4/9/2019 09:28:28	0.1	0.2	0.2	0.1
219	4/9/2019 09:28:58	0.1	0.2	0.2	0.2
220	4/9/2019 09:29:28	0.1	0.2	0.2	0.1
221	4/9/2019 09:29:58	0.1	0.2	0.2	0.2
222	4/9/2019 09:30:28	0.1	0.2	0.2	0.2
223	4/9/2019 09:30:58	0.1	0.2	0.2	0.2
224	4/9/2019 09:31:28	0.2	0.2	0.2	0.2
225	4/9/2019 09:31:58	0.2	0.2	0.2	0.2
226	4/9/2019 09:32:28	0.2	0.2	0.2	0.2
227	4/9/2019 09:32:58	0.2	0.2	0.2	0.2
228	4/9/2019 09:33:28	0.2	0.2	0.2	0.2
229	4/9/2019 09:33:58	0.2	0.2	0.2	0.2
230	4/9/2019 09:34:28	0.1	0.2	0.2	0.2
231	4/9/2019 09:34:58	0.2	0.2	0.2	0.2
232	4/9/2019 09:35:28	0.1	0.2	0.2	0.2
233	4/9/2019 09:35:58	0.1	0.1	0.2	0.2
234	4/9/2019 09:36:28	0.1	0.1	0.2	0.2
235	4/9/2019 09:36:58	0.1	0.2	0.2	0.2
236	4/9/2019 09:37:28	0.2	0.2	0.2	0.2
237	4/9/2019 09:37:58	0.2	0.2	0.2	0.2
238	4/9/2019 09:38:28	0.2	0.2	0.2	0.2
239	4/9/2019 09:38:58	0.2	0.2	0.2	0.2
240	4/9/2019 09:39:28	0.2	0.2	0.2	0.2
241	4/9/2019 09:39:58	0.2	0.2	0.2	0.2
242	4/9/2019 09:40:28	0.2	0.2	0.2	0.2
243	4/9/2019 09:40:58	0.2	0.2	0.2	0.2
244	4/9/2019 09:41:28	0.2	0.2	0.2	0.2
245	4/9/2019 09:41:58	0.2	0.2	0.2	0.2
246	4/9/2019 09:42:28	0.2	0.2	0.2	0.2
247	4/9/2019 09:42:58	0.2	0.2	0.2	0.2
248	4/9/2019 09:43:28	0.2	0.2	0.2	0.2
249	4/9/2019 09:43:58	0.2	0.2	0.2	0.2
250	4/9/2019 09:44:28	0.2	0.2	0.2	0.2
251	4/9/2019 09:44:58	0.2	0.2	0.2	0.2
252	4/9/2019 09:45:28	0.2	0.2	0.2	0.2
253	4/9/2019 09:45:58	0.2	0.2	0.2	0.2
254	4/9/2019 09:46:28	0.2	0.2	0.2	0.2
255	4/9/2019 09:46:58	0.2	0.2	0.2	0.2
256	4/9/2019 09:47:28	0.2	0.2	0.2	0.2
257	4/9/2019 09:47:58	0.2	0.2	0.2	0.2
258	4/9/2019 09:48:28	0.2	0.2	0.2	0.2
259	4/9/2019 09:48:58	0.2	0.2	0.2	0.2
260	4/9/2019 09:49:28	0.2	0.2	0.2	0.2
261	4/9/2019 09:49:58	0.2	0.2	0.2	0.2
262	4/9/2019 09:50:28	0.2	0.2	0.2	0.2
263	4/9/2019 09:50:58	0.2	0.2	0.2	0.2
264	4/9/2019 09:51:28	0.2	0.2	0.2	0.2
265	4/9/2019 09:51:58	0.2	0.2	0.2	0.2
266	4/9/2019 09:52:28	0.2	0.2	0.2	0.2
267	4/9/2019 09:52:58	0.2	0.2	0.2	0.2
268	4/9/2019 09:53:28	0.2	0.2	0.2	0.2
269	4/9/2019 09:53:58	0.2	0.2	0.2	0.2

270	4/9/2019 09:54:28	0.2	0.2	0.2	0.2
271	4/9/2019 09:54:58	0.2	0.2	0.2	0.2
272	4/9/2019 09:55:28	0.2	0.2	0.2	0.2
273	4/9/2019 09:55:58	0.2	0.2	0.2	0.2
274	4/9/2019 09:56:28	0.2	0.2	0.2	0.2
275	4/9/2019 09:56:58	0.2	0.2	0.2	0.2
276	4/9/2019 09:57:28	0.2	0.2	0.2	0.2
277	4/9/2019 09:57:58	0.2	0.2	0.2	0.2
278	4/9/2019 09:58:28	0.2	0.2	0.2	0.2
279	4/9/2019 09:58:58	0.2	0.2	0.2	0.2
280	4/9/2019 09:59:28	0.2	0.2	0.2	0.2
281	4/9/2019 09:59:58	0.2	0.2	0.2	0.2
282	4/9/2019 10:00:28	0.2	0.2	0.2	0.2
283	4/9/2019 10:00:58	0.2	0.2	0.2	0.2
284	4/9/2019 10:01:28	0.2	0.2	0.2	0.2
285	4/9/2019 10:01:58	0.2	0.2	0.2	0.2
286	4/9/2019 10:02:28	0.2	0.2	0.2	0.2
287	4/9/2019 10:02:58	0.2	0.2	0.2	0.2
288	4/9/2019 10:03:28	0.2	0.2	0.2	0.2
289	4/9/2019 10:03:58	0.2	0.2	0.2	0.2
290	4/9/2019 10:04:28	0.2	0.2	0.2	0.2
291	4/9/2019 10:04:58	0.2	0.2	0.2	0.2
292	4/9/2019 10:05:28	0.2	0.2	0.2	0.2
293	4/9/2019 10:05:58	0.2	0.2	0.2	0.2
294	4/9/2019 10:06:28	0.2	0.2	0.2	0.2
295	4/9/2019 10:06:58	0.2	0.2	0.2	0.2
296	4/9/2019 10:07:28	0.2	0.2	0.2	0.2
297	4/9/2019 10:07:58	0.2	0.2	0.2	0.2
298	4/9/2019 10:08:28	0.2	0.2	0.2	0.2
299	4/9/2019 10:08:58	0.2	0.2	0.2	0.2
300	4/9/2019 10:09:28	0.2	0.2	0.2	0.2
301	4/9/2019 10:09:58	0.2	0.2	0.2	0.2
302	4/9/2019 10:10:28	0.2	0.2	0.2	0.2
303	4/9/2019 10:10:58	0.2	0.2	0.2	0.2
304	4/9/2019 10:11:28	0.2	0.2	0.2	0.2
305	4/9/2019 10:11:58	0.2	0.2	0.2	0.2
306	4/9/2019 10:12:28	0.2	0.2	0.2	0.2
307	4/9/2019 10:12:58	0.2	0.2	0.2	0.2
308	4/9/2019 10:13:28	0.2	0.2	0.2	0.2
309	4/9/2019 10:13:58	0.2	0.2	0.2	0.2
310	4/9/2019 10:14:28	0.2	0.2	0.2	0.2
311	4/9/2019 10:14:58	0.2	0.2	0.2	0.2
312	4/9/2019 10:15:28	0.2	0.2	0.2	0.2
313	4/9/2019 10:15:58	0.2	0.2	0.2	0.2
314	4/9/2019 10:16:28	0.2	0.2	0.2	0.2
315	4/9/2019 10:16:58	0.2	0.2	0.2	0.2
316	4/9/2019 10:17:28	0.2	0.2	0.2	0.2
317	4/9/2019 10:17:58	0.2	0.2	0.2	0.2
318	4/9/2019 10:18:28	0.2	0.2	0.2	0.2
319	4/9/2019 10:18:58	0.2	0.2	0.2	0.2
320	4/9/2019 10:19:28	0.2	0.2	0.2	0.2
321	4/9/2019 10:19:58	0.2	0.2	0.2	0.2
322	4/9/2019 10:20:28	0.2	0.2	0.2	0.2
323	4/9/2019 10:20:58	0.2	0.2	0.2	0.2
324	4/9/2019 10:21:28	0.2	0.2	0.2	0.2
325	4/9/2019 10:21:58	0.2	0.2	0.2	0.2
326	4/9/2019 10:22:28	0.2	0.2	0.2	0.2

327	4/9/2019 10:22:58	0.2	0.2	0.2	0.2
328	4/9/2019 10:23:28	0.2	0.2	0.2	0.2
329	4/9/2019 10:23:58	0.2	0.2	0.2	0.2
330	4/9/2019 10:24:28	0.2	0.2	0.2	0.2
331	4/9/2019 10:24:58	0.2	0.2	0.2	0.2
332	4/9/2019 10:25:28	0.2	0.2	0.2	0.2
333	4/9/2019 10:25:58	0.2	0.2	0.2	0.2
334	4/9/2019 10:26:28	0.2	0.2	0.2	0.2
335	4/9/2019 10:26:58	0.2	0.2	0.2	0.2
336	4/9/2019 10:27:28	0.2	0.2	0.2	0.2
337	4/9/2019 10:27:58	0.2	0.2	0.2	0.2
338	4/9/2019 10:28:28	0.2	0.2	0.2	0.2
339	4/9/2019 10:28:58	0.2	0.2	0.2	0.2
340	4/9/2019 10:29:28	0.2	0.2	0.2	0.2
341	4/9/2019 10:29:58	0.2	0.2	0.2	0.2
342	4/9/2019 10:30:28	0.2	0.2	0.2	0.2
343	4/9/2019 10:30:58	0.2	0.2	0.2	0.2
344	4/9/2019 10:31:28	0.2	0.2	0.2	0.2
345	4/9/2019 10:31:58	0.2	0.2	0.2	0.2
346	4/9/2019 10:32:28	0.2	0.2	0.2	0.2
347	4/9/2019 10:32:58	0.2	0.2	0.2	0.2
348	4/9/2019 10:33:28	0.2	0.2	0.2	0.2
349	4/9/2019 10:33:58	0.2	0.2	0.2	0.2
350	4/9/2019 10:34:28	0.2	0.2	0.2	0.2
351	4/9/2019 10:34:58	0.2	0.2	0.2	0.2
352	4/9/2019 10:35:28	0.2	0.2	0.2	0.2
353	4/9/2019 10:35:58	0.2	0.2	0.2	0.2
354	4/9/2019 10:36:28	0.2	0.2	0.2	0.2
355	4/9/2019 10:36:58	0.2	0.2	0.2	0.2
356	4/9/2019 10:37:28	0.2	0.2	0.2	0.2
357	4/9/2019 10:37:58	0.2	0.2	0.2	0.2
358	4/9/2019 10:38:28	0.2	0.2	0.2	0.2
359	4/9/2019 10:38:58	0.2	0.2	0.2	0.2
360	4/9/2019 10:39:28	0.2	0.2	0.2	0.2
361	4/9/2019 10:39:58	0.2	0.2	0.2	0.2
362	4/9/2019 10:40:28	0.2	0.2	0.2	0.2
363	4/9/2019 10:40:58	0.2	0.2	0.2	0.2
364	4/9/2019 10:41:28	0.2	0.2	0.2	0.2
365	4/9/2019 10:41:58	0.2	0.2	0.2	0.2
366	4/9/2019 10:42:28	0.2	0.2	0.2	0.2
367	4/9/2019 10:42:58	0.2	0.2	0.2	0.2
368	4/9/2019 10:43:28	0.2	0.2	0.2	0.2
369	4/9/2019 10:43:58	0.2	0.2	0.2	0.2
370	4/9/2019 10:44:28	0.2	0.2	0.2	0.2
371	4/9/2019 10:44:58	0.2	0.2	0.2	0.2
372	4/9/2019 10:45:28	0.2	0.2	0.2	0.2
373	4/9/2019 10:45:58	0.2	0.2	0.2	0.2
374	4/9/2019 10:46:28	0.2	0.2	0.2	0.2
375	4/9/2019 10:46:58	0.2	0.2	0.2	0.2
376	4/9/2019 10:47:28	0.2	0.2	0.2	0.2
377	4/9/2019 10:47:58	0.2	0.2	0.2	0.2
378	4/9/2019 10:48:28	0.2	0.2	0.2	0.2
379	4/9/2019 10:48:58	0.2	0.2	0.2	0.2
380	4/9/2019 10:49:28	0.2	0.2	0.2	0.2
381	4/9/2019 10:49:58	0.2	0.2	0.2	0.2
382	4/9/2019 10:50:28	0.2	0.2	0.2	0.2
383	4/9/2019 10:50:58	0.2	0.2	0.2	0.2

384	4/9/2019	10:51:28	0.2	0.2	0.2	0.2
385	4/9/2019	10:51:58	0.2	0.2	0.2	0.2
386	4/9/2019	10:52:28	0.2	0.2	0.2	0.2
387	4/9/2019	10:52:58	0.2	0.2	0.2	0.2
388	4/9/2019	10:53:28	0.2	0.2	0.2	0.2
389	4/9/2019	10:53:58	0.2	0.2	0.2	0.2
390	4/9/2019	10:54:28	0.2	0.2	0.2	0.2
391	4/9/2019	10:54:58	0.2	0.2	0.2	0.2
392	4/9/2019	10:55:28	0.2	0.2	0.2	0.2
393	4/9/2019	10:55:58	0.2	0.2	0.2	0.2
394	4/9/2019	10:56:28	0.2	0.2	0.2	0.2
395	4/9/2019	10:56:58	0.2	0.2	0.3	0.2
396	4/9/2019	10:57:28	0.2	0.2	0.2	0.2
397	4/9/2019	10:57:58	0.2	0.2	0.3	0.3
398	4/9/2019	10:58:28	0.2	0.2	0.3	0.2
399	4/9/2019	10:58:58	0.2	0.2	0.2	0.2
400	4/9/2019	10:59:28	0.2	0.2	0.2	0.2
401	4/9/2019	10:59:58	0.2	0.2	0.3	0.3
402	4/9/2019	11:00:28	0.2	0.2	0.2	0.2
403	4/9/2019	11:00:58	0.2	0.2	0.2	0.2
404	4/9/2019	11:01:28	0.2	0.2	0.3	0.3
405	4/9/2019	11:01:58	0.2	0.2	0.3	0.2
406	4/9/2019	11:02:28	0.2	0.2	0.2	0.2
407	4/9/2019	11:02:58	0.2	0.3	0.3	0.2
408	4/9/2019	11:03:28	0.2	0.2	0.2	0.2
409	4/9/2019	11:03:58	0.2	0.2	0.2	0.2
410	4/9/2019	11:04:28	0.2	0.2	0.2	0.2
411	4/9/2019	11:04:58	0.2	0.2	0.2	0.2
412	4/9/2019	11:05:28	0.2	0.2	0.2	0.2
413	4/9/2019	11:05:58	0.2	0.2	0.2	0.2
414	4/9/2019	11:06:28	0.2	0.2	0.2	0.2
415	4/9/2019	11:06:58	0.2	0.2	0.2	0.2
416	4/9/2019	11:07:28	0.2	0.2	0.2	0.2
417	4/9/2019	11:07:58	0.2	0.2	0.2	0.2
418	4/9/2019	11:08:28	0.2	0.2	0.2	0.2
419	4/9/2019	11:08:58	0.2	0.2	0.2	0.2
420	4/9/2019	11:09:28	0.2	0.2	0.2	0.2
421	4/9/2019	11:09:58	0.2	0.2	0.2	0.2
422	4/9/2019	11:10:28	0.2	0.2	0.2	0.2
423	4/9/2019	11:10:58	0.2	0.2	0.2	0.2
424	4/9/2019	11:11:28	0.2	0.2	0.2	0.2
425	4/9/2019	11:11:58	0.2	0.2	0.2	0.2
426	4/9/2019	11:12:28	0.2	0.2	0.2	0.2
427	4/9/2019	11:12:58	0.2	0.2	0.2	0.2
428	4/9/2019	11:13:28	0.2	0.2	0.2	0.2
429	4/9/2019	11:13:58	0.2	0.3	0.3	0.3
430	4/9/2019	11:14:28	0.2	0.2	0.3	0.3
431	4/9/2019	11:14:58	0.3	0.3	0.3	0.3
432	4/9/2019	11:15:28	0.2	0.3	0.3	0.3
433	4/9/2019	11:15:58	0.3	0.3	0.3	0.3
434	4/9/2019	11:16:28	0.2	0.3	0.3	0.3
435	4/9/2019	11:16:58	0.2	0.3	0.3	0.2
436	4/9/2019	11:17:28	0.2	0.2	0.3	0.2
437	4/9/2019	11:17:58	0.2	0.3	0.3	0.3
438	4/9/2019	11:18:28	0.3	0.3	0.4	0.3
439	4/9/2019	11:18:58	0.3	0.3	0.3	0.3
440	4/9/2019	11:19:28	0.2	0.2	0.3	0.3

441	4/9/2019	11:19:58	0.2	0.3	0.3	0.3
442	4/9/2019	11:20:28	0.2	0.2	0.3	0.2
443	4/9/2019	11:20:58	0.2	0.2	0.2	0.2
444	4/9/2019	11:21:28	0.2	0.2	0.2	0.2
445	4/9/2019	11:21:58	0.2	0.2	0.2	0.2
446	4/9/2019	11:22:28	0.2	0.2	0.2	0.2
447	4/9/2019	11:22:58	0.2	0.2	0.2	0.2
448	4/9/2019	11:23:28	0.2	0.2	0.2	0.2
449	4/9/2019	11:23:58	0.2	0.2	0.2	0.2
450	4/9/2019	11:24:28	0.2	0.2	0.2	0.2
451	4/9/2019	11:24:58	0.2	0.2	0.2	0.2
452	4/9/2019	11:25:28	0.2	0.2	0.2	0.2
453	4/9/2019	11:25:58	0.2	0.2	0.3	0.3
454	4/9/2019	11:26:28	0.3	0.3	0.3	0.3
455	4/9/2019	11:26:58	0.2	0.2	0.3	0.2
456	4/9/2019	11:27:28	0.2	0.2	0.2	0.2
457	4/9/2019	11:27:58	0.2	0.2	0.3	0.2
458	4/9/2019	11:28:28	0.2	0.2	0.2	0.2
459	4/9/2019	11:28:58	0.2	0.2	0.2	0.2
460	4/9/2019	11:29:28	0.2	0.2	0.2	0.2
461	4/9/2019	11:29:58	0.2	0.2	0.2	0.2
462	4/9/2019	11:30:28	0.2	0.2	0.2	0.2
463	4/9/2019	11:30:58	0.2	0.2	0.2	0.2
464	4/9/2019	11:31:28	0.2	0.2	0.2	0.2
465	4/9/2019	11:31:58	0.2	0.2	0.3	0.3
466	4/9/2019	11:32:28	0.2	0.3	0.3	0.3
467	4/9/2019	11:32:58	0.2	0.2	0.3	0.2
468	4/9/2019	11:33:28	0.2	0.2	0.3	0.2
469	4/9/2019	11:33:58	0.2	0.2	0.2	0.2
470	4/9/2019	11:34:28	0.2	0.2	0.2	0.2
471	4/9/2019	11:34:58	0.2	0.2	0.3	0.3
472	4/9/2019	11:35:28	0.2	0.3	0.3	0.3
473	4/9/2019	11:35:58	0.3	0.3	0.3	0.3
474	4/9/2019	11:36:28	0.2	0.3	0.3	0.2
475	4/9/2019	11:36:58	0.2	0.2	0.2	0.2
476	4/9/2019	11:37:28	0.2	0.2	0.2	0.2
477	4/9/2019	11:37:58	0.2	0.2	0.2	0.2
478	4/9/2019	11:38:28	0.2	0.2	0.2	0.2
479	4/9/2019	11:38:58	0.2	0.2	0.2	0.2
480	4/9/2019	11:39:28	0.2	0.2	0.2	0.2
481	4/9/2019	11:39:58	0.2	0.2	0.2	0.2
482	4/9/2019	11:40:28	0.2	0.2	0.2	0.2
483	4/9/2019	11:40:58	0.2	0.2	0.2	0.2
484	4/9/2019	11:41:28	0.2	0.2	0.2	0.2
485	4/9/2019	11:41:58	0.2	0.2	0.3	0.3
486	4/9/2019	11:42:28	0.2	0.3	0.3	0.2
487	4/9/2019	11:42:58	0.2	0.2	0.3	0.2
488	4/9/2019	11:43:28	0.2	0.2	0.2	0.2
489	4/9/2019	11:43:58	0.2	0.2	0.2	0.2
490	4/9/2019	11:44:28	0.2	0.2	0.2	0.2
491	4/9/2019	11:44:58	0.2	0.2	0.2	0.2
492	4/9/2019	11:45:28	0.2	0.2	0.2	0.2
493	4/9/2019	11:45:58	0.2	0.2	0.2	0.2
494	4/9/2019	11:46:28	0.2	0.2	0.2	0.2
495	4/9/2019	11:46:58	0.2	0.2	0.2	0.2
496	4/9/2019	11:47:28	0.2	0.2	0.2	0.2
497	4/9/2019	11:47:58	0.2	0.2	0.2	0.2

498	4/9/2019 11:48:28	0.2	0.2	0.2	0.2
499	4/9/2019 11:48:58	0.2	0.2	0.2	0.2
500	4/9/2019 11:49:28	0.2	0.2	0.2	0.2
501	4/9/2019 11:49:58	0.2	0.2	0.2	0.2
502	4/9/2019 11:50:28	0.2	0.2	0.2	0.2
503	4/9/2019 11:50:58	0.2	0.2	0.3	0.2
504	4/9/2019 11:51:28	0.2	0.2	0.2	0.2
505	4/9/2019 11:51:58	0.2	0.2	0.2	0.2
506	4/9/2019 11:52:28	0.2	0.2	0.2	0.2
507	4/9/2019 11:52:58	0.2	0.2	0.2	0.2
508	4/9/2019 11:53:28	0.2	0.2	0.2	0.2
509	4/9/2019 11:53:58	0.2	0.2	0.2	0.2
510	4/9/2019 11:54:28	0.2	0.2	0.2	0.2
511	4/9/2019 11:54:58	0.2	0.2	0.2	0.2
512	4/9/2019 11:55:28	0.2	0.2	0.2	0.2
513	4/9/2019 11:55:58	0.2	0.2	0.2	0.2
514	4/9/2019 11:56:28	0.2	0.2	0.2	0.2
515	4/9/2019 11:56:58	0.2	0.2	0.2	0.2
516	4/9/2019 11:57:28	0.2	0.2	0.2	0.2
517	4/9/2019 11:57:58	0.2	0.2	0.2	0.2
518	4/9/2019 11:58:28	0.2	0.2	0.2	0.2
519	4/9/2019 11:58:58	0.2	0.2	0.2	0.2
520	4/9/2019 11:59:28	0.2	0.2	0.2	0.2
521	4/9/2019 11:59:58	0.2	0.2	0.2	0.2
522	4/9/2019 12:00:28	0.2	0.2	0.2	0.2
523	4/9/2019 12:00:58	0.2	0.2	0.2	0.2
524	4/9/2019 12:01:28	0.2	0.2	0.2	0.2
525	4/9/2019 12:01:58	0.2	0.2	0.2	0.2
526	4/9/2019 12:02:28	0.2	0.2	0.2	0.2
527	4/9/2019 12:02:58	0.2	0.2	0.2	0.2
528	4/9/2019 12:03:28	0.2	0.2	0.2	0.2
529	4/9/2019 12:03:58	0.2	0.2	0.2	0.2
530	4/9/2019 12:04:28	0.2	0.2	0.2	0.2
531	4/9/2019 12:04:58	0.2	0.2	0.2	0.2
532	4/9/2019 12:05:28	0.2	0.2	0.2	0.2
533	4/9/2019 12:05:58	0.2	0.2	0.2	0.2
534	4/9/2019 12:06:28	0.2	0.2	0.2	0.2
535	4/9/2019 12:06:58	0.2	0.2	0.2	0.2
536	4/9/2019 12:07:28	0.2	0.2	0.2	0.2
537	4/9/2019 12:07:58	0.2	0.2	0.2	0.2
538	4/9/2019 12:08:28	0.2	0.2	0.2	0.2
539	4/9/2019 12:08:58	0.2	0.2	0.2	0.2
540	4/9/2019 12:09:28	0.2	0.2	0.2	0.2
541	4/9/2019 12:09:58	0.2	0.2	0.2	0.2
542	4/9/2019 12:10:28	0.2	0.2	0.2	0.2
543	4/9/2019 12:10:58	0.2	0.2	0.2	0.2
544	4/9/2019 12:11:28	0.2	0.2	0.2	0.2
545	4/9/2019 12:11:58	0.2	0.2	0.2	0.2
546	4/9/2019 12:12:28	0.2	0.2	0.2	0.2
547	4/9/2019 12:12:58	0.2	0.2	0.2	0.2
548	4/9/2019 12:13:28	0.2	0.2	0.2	0.2
549	4/9/2019 12:13:58	0.2	0.2	0.2	0.2
550	4/9/2019 12:14:28	0.2	0.2	0.2	0.2
551	4/9/2019 12:14:58	0.2	0.2	0.2	0.2
552	4/9/2019 12:15:28	0.2	0.2	0.2	0.2
553	4/9/2019 12:15:58	0.2	0.2	0.2	0.2
554	4/9/2019 12:16:28	0.2	0.2	0.2	0.2

555	4/9/2019	12:16:58	0.2	0.2	0.2	0.2
556	4/9/2019	12:17:28	0.2	0.2	0.2	0.2
557	4/9/2019	12:17:58	0.2	0.2	0.2	0.2
558	4/9/2019	12:18:28	0.2	0.2	0.2	0.2
559	4/9/2019	12:18:58	0.2	0.2	0.2	0.2
560	4/9/2019	12:19:28	0.2	0.2	0.2	0.2
561	4/9/2019	12:19:58	0.2	0.2	0.2	0.2
562	4/9/2019	12:20:28	0.2	0.2	0.2	0.2
563	4/9/2019	12:20:58	0.2	0.2	0.2	0.2
564	4/9/2019	12:21:28	0.2	0.2	0.2	0.2
565	4/9/2019	12:21:58	0.2	0.2	0.2	0.2
566	4/9/2019	12:22:28	0.2	0.2	0.2	0.2
567	4/9/2019	12:22:58	0.2	0.2	0.2	0.2
568	4/9/2019	12:23:28	0.2	0.2	0.2	0.2
569	4/9/2019	12:23:58	0.2	0.2	0.2	0.2
570	4/9/2019	12:24:28	0.2	0.2	0.2	0.2
571	4/9/2019	12:24:58	0.2	0.2	0.2	0.2
572	4/9/2019	12:25:28	0.2	0.2	0.2	0.2
573	4/9/2019	12:25:58	0.2	0.2	0.2	0.2
574	4/9/2019	12:26:28	0.2	0.2	0.2	0.2
575	4/9/2019	12:26:58	0.2	0.2	0.2	0.2
576	4/9/2019	12:27:28	0.2	0.2	0.2	0.2
577	4/9/2019	12:27:58	0.2	0.2	0.2	0.2
578	4/9/2019	12:28:28	0.2	0.2	0.2	0.2
579	4/9/2019	12:28:58	0.2	0.2	0.3	0.2
580	4/9/2019	12:29:28	0.2	0.2	0.2	0.2
581	4/9/2019	12:29:58	0.2	0.2	0.2	0.2
582	4/9/2019	12:30:28	0.2	0.2	0.2	0.2
583	4/9/2019	12:30:58	0.2	0.2	0.3	0.2
584	4/9/2019	12:31:28	0.2	0.2	0.3	0.3
585	4/9/2019	12:31:58	0.2	0.2	0.3	0.2
586	4/9/2019	12:32:28	0.2	0.2	0.2	0.2
587	4/9/2019	12:32:58	0.2	0.2	0.2	0.2
588	4/9/2019	12:33:28	0.2	0.2	0.2	0.2
589	4/9/2019	12:33:58	0.2	0.3	0.3	0.2
590	4/9/2019	12:34:28	0.2	0.2	0.2	0.2
591	4/9/2019	12:34:58	0.2	0.2	0.2	0.2
592	4/9/2019	12:35:28	0.2	0.2	0.2	0.2
593	4/9/2019	12:35:58	0.2	0.2	0.2	0.2
594	4/9/2019	12:36:28	0.2	0.2	0.2	0.2
595	4/9/2019	12:36:58	0.2	0.2	0.2	0.2
596	4/9/2019	12:37:28	0.2	0.2	0.2	0.2
597	4/9/2019	12:37:58	0.2	0.2	0.2	0.2
598	4/9/2019	12:38:28	0.2	0.2	0.2	0.2
599	4/9/2019	12:38:58	0.2	0.2	0.2	0.2
600	4/9/2019	12:39:28	0.2	0.2	0.2	0.2
601	4/9/2019	12:39:58	0.2	0.2	0.3	0.2
602	4/9/2019	12:40:28	0.2	0.2	0.2	0.2
603	4/9/2019	12:40:58	0.2	0.2	0.3	0.2
604	4/9/2019	12:41:28	0.2	0.3	0.3	0.3
605	4/9/2019	12:41:58	0.3	0.3	0.3	0.3
606	4/9/2019	12:42:28	0.3	0.3	0.3	0.3
607	4/9/2019	12:42:58	0.2	0.3	0.3	0.2
608	4/9/2019	12:43:28	0.2	0.2	0.3	0.2
609	4/9/2019	12:43:58	0.2	0.2	0.3	0.2
610	4/9/2019	12:44:28	0.2	0.2	0.2	0.2
611	4/9/2019	12:44:58	0.2	0.2	0.3	0.3

612	4/9/2019	12:45:28	0.2	0.3	0.3	0.2
613	4/9/2019	12:45:58	0.2	0.2	0.3	0.2
614	4/9/2019	12:46:28	0.2	0.3	0.3	0.3
615	4/9/2019	12:46:58	0.2	0.2	0.3	0.2
616	4/9/2019	12:47:28	0.2	0.2	0.2	0.2
617	4/9/2019	12:47:58	0.2	0.2	0.2	0.2
618	4/9/2019	12:48:28	0.2	0.2	0.2	0.2
619	4/9/2019	12:48:58	0.2	0.2	0.2	0.2
620	4/9/2019	12:49:28	0.2	0.2	0.2	0.2
621	4/9/2019	12:49:58	0.2	0.2	0.3	0.3
622	4/9/2019	12:50:28	0.2	0.2	0.3	0.2
623	4/9/2019	12:50:58	0.2	0.2	0.2	0.2
624	4/9/2019	12:51:28	0.2	0.2	0.3	0.2
625	4/9/2019	12:51:58	0.2	0.2	0.2	0.2
626	4/9/2019	12:52:28	0.2	0.2	0.2	0.2
627	4/9/2019	12:52:58	0.2	0.2	0.2	0.2
628	4/9/2019	12:53:28	0.2	0.3	0.3	0.3
629	4/9/2019	12:53:58	0.2	0.3	0.3	0.3
630	4/9/2019	12:54:28	0.2	0.2	0.3	0.3
631	4/9/2019	12:54:58	0.2	0.3	0.3	0.2
632	4/9/2019	12:55:28	0.2	0.2	0.2	0.2
633	4/9/2019	12:55:58	0.2	0.2	0.2	0.2
634	4/9/2019	12:56:28	0.2	0.2	0.2	0.2
635	4/9/2019	12:56:58	0.2	0.2	0.2	0.2
636	4/9/2019	12:57:28	0.2	0.2	0.2	0.2
637	4/9/2019	12:57:58	0.2	0.2	0.2	0.2
638	4/9/2019	12:58:28	0.2	0.2	0.3	0.3
639	4/9/2019	12:58:58	0.3	0.3	0.3	0.3
640	4/9/2019	12:59:28	0.2	0.2	0.3	0.2
641	4/9/2019	12:59:58	0.2	0.2	0.3	0.3
642	4/9/2019	13:00:28	0.2	0.2	0.3	0.2
643	4/9/2019	13:00:58	0.2	0.2	0.2	0.2
644	4/9/2019	13:01:28	0.2	0.2	0.2	0.2
645	4/9/2019	13:01:58	0.2	0.2	0.2	0.2
646	4/9/2019	13:02:28	0.2	0.2	0.3	0.2
647	4/9/2019	13:02:58	0.2	0.2	0.3	0.3
648	4/9/2019	13:03:28	0.2	0.2	0.3	0.2
649	4/9/2019	13:03:58	0.2	0.2	0.3	0.3
650	4/9/2019	13:04:28	0.3	0.3	0.3	0.3
651	4/9/2019	13:04:58	0.2	0.3	0.3	0.3
652	4/9/2019	13:05:28	0.3	0.3	0.3	0.3
653	4/9/2019	13:05:58	0.3	0.3	0.3	0.3
654	4/9/2019	13:06:28	0.3	0.3	0.3	0.3
655	4/9/2019	13:06:58	0.2	0.3	0.3	0.3
656	4/9/2019	13:07:28	0.2	0.2	0.3	0.3
657	4/9/2019	13:07:58	0.3	0.3	0.3	0.3
658	4/9/2019	13:08:28	0.3	0.3	0.3	0.3
659	4/9/2019	13:08:58	0.2	0.3	0.3	0.3
660	4/9/2019	13:09:28	0.3	0.3	0.3	0.3
661	4/9/2019	13:09:58	0.3	0.3	0.3	0.3
662	4/9/2019	13:10:28	0.3	0.3	0.3	0.3
663	4/9/2019	13:10:58	0.3	0.3	0.3	0.3
664	4/9/2019	13:11:28	0.3	0.3	0.3	0.3
665	4/9/2019	13:11:58	0.2	0.3	0.3	0.3
666	4/9/2019	13:12:28	0.3	0.3	0.3	0.3
667	4/9/2019	13:12:58	0.3	0.3	0.3	0.3
668	4/9/2019	13:13:28	0.3	0.3	0.3	0.3

669	4/9/2019	13:13:58	0.2	0.2	0.3	0.2
670	4/9/2019	13:14:28	0.2	0.2	0.3	0.3
671	4/9/2019	13:14:58	0.3	0.3	0.3	0.3
672	4/9/2019	13:15:28	0.3	0.3	0.3	0.3
673	4/9/2019	13:15:58	0.2	0.2	0.2	0.2
674	4/9/2019	13:16:28	0.2	0.2	0.2	0.2
675	4/9/2019	13:16:58	0.2	0.2	0.2	0.2
676	4/9/2019	13:17:28	0.2	0.2	0.2	0.2
677	4/9/2019	13:17:58	0.2	0.2	0.2	0.2
678	4/9/2019	13:18:28	0.2	0.2	0.2	0.2
679	4/9/2019	13:18:58	0.2	0.3	0.3	0.3
680	4/9/2019	13:19:28	0.3	0.3	0.3	0.3
681	4/9/2019	13:19:58	0.3	0.3	0.3	0.3
682	4/9/2019	13:20:28	0.3	0.3	0.3	0.3
683	4/9/2019	13:20:58	0.3	0.3	0.3	0.3
684	4/9/2019	13:21:28	0.3	0.3	0.3	0.3
685	4/9/2019	13:21:58	0.3	0.3	0.3	0.3
686	4/9/2019	13:22:28	0.3	0.3	0.3	0.3
687	4/9/2019	13:22:58	0.3	0.3	0.3	0.3
688	4/9/2019	13:23:28	0.3	0.3	0.3	0.3
689	4/9/2019	13:23:58	0.3	0.3	0.3	0.3
690	4/9/2019	13:24:28	0.3	0.3	0.3	0.3
691	4/9/2019	13:24:58	0.3	0.3	0.3	0.3
692	4/9/2019	13:25:28	0.3	0.3	0.3	0.3
693	4/9/2019	13:25:58	0.3	0.3	0.3	0.3
694	4/9/2019	13:26:28	0.3	0.3	0.3	0.3
695	4/9/2019	13:26:58	0.2	0.2	0.2	0.2
696	4/9/2019	13:27:28	0.2	0.2	0.2	0.2
697	4/9/2019	13:27:58	0.2	0.2	0.2	0.2
698	4/9/2019	13:28:28	0.2	0.2	0.2	0.2
699	4/9/2019	13:28:58	0.2	0.3	0.3	0.2
700	4/9/2019	13:29:28	0.2	0.2	0.2	0.2
701	4/9/2019	13:29:58	0.2	0.2	0.3	0.2
702	4/9/2019	13:30:28	0.2	0.2	0.2	0.2
703	4/9/2019	13:30:58	0.2	0.2	0.2	0.2
704	4/9/2019	13:31:28	0.2	0.2	0.2	0.2
705	4/9/2019	13:31:58	0.2	0.2	0.2	0.2
706	4/9/2019	13:32:28	0.2	0.2	0.2	0.2
707	4/9/2019	13:32:58	0.2	0.2	0.2	0.2
708	4/9/2019	13:33:28	0.2	0.2	0.2	0.2
709	4/9/2019	13:33:58	0.2	0.2	0.2	0.2
710	4/9/2019	13:34:28	0.2	0.2	0.2	0.2
711	4/9/2019	13:34:58	0.2	0.2	0.2	0.2
712	4/9/2019	13:35:28	0.2	0.2	0.2	0.2
713	4/9/2019	13:35:58	0.2	0.2	0.2	0.2
714	4/9/2019	13:36:28	0.2	0.2	0.2	0.2
715	4/9/2019	13:36:58	0.2	0.2	0.2	0.2
716	4/9/2019	13:37:28	0.2	0.2	0.2	0.2
717	4/9/2019	13:37:58	0.2	0.2	0.2	0.2
718	4/9/2019	13:38:28	0.2	0.2	0.2	0.2
719	4/9/2019	13:38:58	0.2	0.2	0.2	0.2
720	4/9/2019	13:39:28	0.2	0.2	0.2	0.2
721	4/9/2019	13:39:58	0.2	0.2	0.2	0.2
722	4/9/2019	13:40:28	0.2	0.2	0.3	0.3
723	4/9/2019	13:40:58	0.2	0.3	0.3	0.3
724	4/9/2019	13:41:28	0.3	0.3	0.3	0.3
725	4/9/2019	13:41:58	0.2	0.2	0.3	0.2

726	4/9/2019	13:42:28	0.2	0.2	0.2	0.2
727	4/9/2019	13:42:58	0.2	0.2	0.2	0.2
728	4/9/2019	13:43:28	0.2	0.2	0.2	0.2
729	4/9/2019	13:43:58	0.2	0.2	0.2	0.2
730	4/9/2019	13:44:28	0.2	0.2	0.2	0.2
731	4/9/2019	13:44:58	0.2	0.2	0.2	0.2
732	4/9/2019	13:45:28	0.2	0.2	0.2	0.2
733	4/9/2019	13:45:58	0.2	0.2	0.2	0.2
734	4/9/2019	13:46:28	0.2	0.2	0.2	0.2
735	4/9/2019	13:46:58	0.2	0.2	0.2	0.2
736	4/9/2019	13:47:28	0.2	0.2	0.2	0.2
737	4/9/2019	13:47:58	0.2	0.2	0.2	0.2
738	4/9/2019	13:48:28	0.2	0.2	0.2	0.2
739	4/9/2019	13:48:58	0.2	0.2	0.2	0.2
740	4/9/2019	13:49:28	0.2	0.2	0.2	0.2
741	4/9/2019	13:49:58	0.2	0.2	0.2	0.2
742	4/9/2019	13:50:28	0.2	0.2	0.2	0.2
743	4/9/2019	13:50:58	0.2	0.2	0.2	0.2
744	4/9/2019	13:51:28	0.2	0.2	0.2	0.2
745	4/9/2019	13:51:58	0.2	0.2	0.2	0.2
746	4/9/2019	13:52:28	0.2	0.2	0.2	0.2
747	4/9/2019	13:52:58	0.2	0.2	0.2	0.2
748	4/9/2019	13:53:28	0.2	0.2	0.2	0.2
749	4/9/2019	13:53:58	0.2	0.2	0.2	0.2
750	4/9/2019	13:54:28	0.2	0.2	0.2	0.2
751	4/9/2019	13:54:58	0.2	0.2	0.2	0.2
752	4/9/2019	13:55:28	0.2	0.2	0.2	0.2
753	4/9/2019	13:55:58	0.2	0.2	0.2	0.2
754	4/9/2019	13:56:28	0.2	0.2	0.2	0.2
755	4/9/2019	13:56:58	0.2	0.2	0.2	0.2
756	4/9/2019	13:57:28	0.2	0.2	0.2	0.2
757	4/9/2019	13:57:58	0.2	0.2	0.2	0.2
758	4/9/2019	13:58:28	0.2	0.2	0.2	0.2
759	4/9/2019	13:58:58	0.2	0.2	0.2	0.2
760	4/9/2019	13:59:28	0.2	0.2	0.2	0.2
761	4/9/2019	13:59:58	0.2	0.2	0.2	0.2
762	4/9/2019	14:00:28	0.2	0.2	0.2	0.2
763	4/9/2019	14:00:58	0.2	0.2	0.2	0.2
764	4/9/2019	14:01:28	0.2	0.2	0.2	0.2
765	4/9/2019	14:01:58	0.2	0.2	0.2	0.2
766	4/9/2019	14:02:28	0.2	0.2	0.2	0.2
767	4/9/2019	14:02:58	0.2	0.2	0.2	0.2
768	4/9/2019	14:03:28	0.2	0.2	0.2	0.2
769	4/9/2019	14:03:58	0.2	0.2	0.2	0.2
770	4/9/2019	14:04:28	0.2	0.2	0.2	0.2
771	4/9/2019	14:04:58	0.2	0.2	0.2	0.2
772	4/9/2019	14:05:28	0.2	0.2	0.3	0.3
773	4/9/2019	14:05:58	0.2	0.2	0.3	0.2
774	4/9/2019	14:06:28	0.2	0.2	0.2	0.2
775	4/9/2019	14:06:58	0.2	0.2	0.2	0.2
776	4/9/2019	14:07:28	0.2	0.2	0.2	0.2
777	4/9/2019	14:07:58	0.2	0.2	0.2	0.2
778	4/9/2019	14:08:28	0.2	0.2	0.2	0.2
779	4/9/2019	14:08:58	0.2	0.2	0.2	0.2
780	4/9/2019	14:09:28	0.2	0.2	0.2	0.2
781	4/9/2019	14:09:58	0.2	0.2	0.2	0.2
782	4/9/2019	14:10:28	0.2	0.2	0.2	0.2

783	4/9/2019	14:10:58	0.2	0.2	0.2	0.2
784	4/9/2019	14:11:28	0.2	0.2	0.2	0.2
785	4/9/2019	14:11:58	0.2	0.2	0.2	0.2
786	4/9/2019	14:12:28	0.2	0.2	0.2	0.2
787	4/9/2019	14:12:58	0.2	0.2	0.2	0.2
788	4/9/2019	14:13:28	0.2	0.2	0.2	0.2
789	4/9/2019	14:13:58	0.2	0.2	0.2	0.2
790	4/9/2019	14:14:28	0.2	0.2	0.2	0.2
791	4/9/2019	14:14:58	0.2	0.2	0.2	0.2
792	4/9/2019	14:15:28	0.2	0.2	0.2	0.2
793	4/9/2019	14:15:58	0.2	0.2	0.2	0.2
794	4/9/2019	14:16:28	0.2	0.2	0.2	0.2
795	4/9/2019	14:16:58	0.2	0.2	0.2	0.2
796	4/9/2019	14:17:28	0.2	0.2	0.2	0.2
797	4/9/2019	14:17:58	0.2	0.2	0.2	0.2
798	4/9/2019	14:18:28	0.2	0.2	0.2	0.2
799	4/9/2019	14:18:58	0.2	0.2	0.2	0.2
800	4/9/2019	14:19:28	0.2	0.2	0.2	0.2
801	4/9/2019	14:19:58	0.2	0.2	0.2	0.2
802	4/9/2019	14:20:28	0.2	0.2	0.2	0.2
803	4/9/2019	14:20:58	0.2	0.2	0.2	0.2
804	4/9/2019	14:21:28	0.2	0.2	0.2	0.2
805	4/9/2019	14:21:58	0.2	0.2	0.2	0.2
806	4/9/2019	14:22:28	0.2	0.2	0.2	0.2
807	4/9/2019	14:22:58	0.2	0.2	0.2	0.2
808	4/9/2019	14:23:28	0.2	0.2	0.2	0.2
809	4/9/2019	14:23:58	0.2	0.2	0.2	0.2
810	4/9/2019	14:24:28	0.2	0.2	0.2	0.2
811	4/9/2019	14:24:58	0.2	0.2	0.2	0.2
812	4/9/2019	14:25:28	0.2	0.2	0.2	0.2
813	4/9/2019	14:25:58	0.2	0.2	0.2	0.2
814	4/9/2019	14:26:28	0.2	0.2	0.2	0.2
815	4/9/2019	14:26:58	0.2	0.2	0.2	0.2
816	4/9/2019	14:27:28	0.2	0.2	0.2	0.2
817	4/9/2019	14:27:58	0.2	0.2	0.2	0.2
818	4/9/2019	14:28:28	0.2	0.2	0.2	0.2
819	4/9/2019	14:28:58	0.2	0.2	0.2	0.2
820	4/9/2019	14:29:28	0.2	0.2	0.2	0.2
821	4/9/2019	14:29:58	0.2	0.2	0.2	0.2
822	4/9/2019	14:30:28	0.2	0.2	0.2	0.2
823	4/9/2019	14:30:58	0.2	0.2	0.2	0.2
824	4/9/2019	14:31:28	0.2	0.2	0.2	0.2
825	4/9/2019	14:31:58	0.2	0.2	0.2	0.2
826	4/9/2019	14:32:28	0.2	0.2	0.2	0.2
827	4/9/2019	14:32:58	0.2	0.2	0.2	0.2
828	4/9/2019	14:33:28	0.2	0.2	0.2	0.2
829	4/9/2019	14:33:58	0.2	0.2	0.2	0.2
830	4/9/2019	14:34:28	0.2	0.2	0.2	0.2
831	4/9/2019	14:34:58	0.2	0.2	0.2	0.2
832	4/9/2019	14:35:28	0.2	0.2	0.2	0.2
833	4/9/2019	14:35:58	0.2	0.2	0.2	0.2
834	4/9/2019	14:36:28	0.2	0.2	0.2	0.2
835	4/9/2019	14:36:58	0.2	0.2	0.2	0.2
836	4/9/2019	14:37:28	0.2	0.2	0.2	0.2
837	4/9/2019	14:37:58	0.2	0.2	0.2	0.2
838	4/9/2019	14:38:28	0.2	0.2	0.2	0.2
839	4/9/2019	14:38:58	0.2	0.2	0.2	0.2

840	4/9/2019 14:39:28	0.2	0.2	0.2	0.2
841	4/9/2019 14:39:58	0.2	0.2	0.2	0.2
842	4/9/2019 14:40:28	0.2	0.2	0.2	0.2
843	4/9/2019 14:40:58	0.2	0.2	0.2	0.2
844	4/9/2019 14:41:28	0.2	0.2	0.2	0.2
845	4/9/2019 14:41:58	0.2	0.2	0.2	0.2
846	4/9/2019 14:42:28	0.2	0.2	0.2	0.2
847	4/9/2019 14:42:58	0.2	0.2	0.2	0.2
848	4/9/2019 14:43:28	0.2	0.2	0.2	0.2
849	4/9/2019 14:43:58	0.2	0.2	0.2	0.2
850	4/9/2019 14:44:28	0.2	0.2	0.2	0.2
851	4/9/2019 14:44:58	0.2	0.2	0.2	0.2
852	4/9/2019 14:45:28	0.2	0.2	0.2	0.2
853	4/9/2019 14:45:58	0.2	0.2	0.2	0.2
854	4/9/2019 14:46:28	0.2	0.2	0.2	0.2
855	4/9/2019 14:46:58	0.2	0.2	0.2	0.2
856	4/9/2019 14:47:28	0.2	0.2	0.2	0.2
857	4/9/2019 14:47:58	0.2	0.2	0.2	0.2
858	4/9/2019 14:48:28	0.2	0.2	0.2	0.2
859	4/9/2019 14:48:58	0.2	0.2	0.2	0.2
860	4/9/2019 14:49:28	0.2	0.2	0.2	0.2
861	4/9/2019 14:49:58	0.2	0.2	0.2	0.2
862	4/9/2019 14:50:28	0.2	0.2	0.2	0.2
863	4/9/2019 14:50:58	0.2	0.2	0.2	0.2
864	4/9/2019 14:51:28	0.2	0.2	0.2	0.2
865	4/9/2019 14:51:58	0.2	0.2	0.2	0.2
866	4/9/2019 14:52:28	0.2	0.2	0.2	0.2
867	4/9/2019 14:52:58	0.2	0.2	0.2	0.2
868	4/9/2019 14:53:28	0.2	0.2	0.2	0.2
869	4/9/2019 14:53:58	0.2	0.2	0.2	0.2
870	4/9/2019 14:54:28	0.2	0.2	0.2	0.2
871	4/9/2019 14:54:58	0.2	0.2	0.2	0.2
872	4/9/2019 14:55:28	0.2	0.2	0.2	0.2
873	4/9/2019 14:55:58	0.2	0.2	0.2	0.2
874	4/9/2019 14:56:28	0.2	0.2	0.2	0.2
875	4/9/2019 14:56:58	0.2	0.2	0.2	0.2
876	4/9/2019 14:57:28	0.2	0.2	0.2	0.2
877	4/9/2019 14:57:58	0.2	0.2	0.2	0.2
878	4/9/2019 14:58:28	0.2	0.2	0.2	0.2
879	4/9/2019 14:58:58	0.2	0.2	0.2	0.2
880	4/9/2019 14:59:28	0.2	0.2	0.2	0.2
881	4/9/2019 14:59:58	0.2	0.2	0.2	0.2
882	4/9/2019 15:00:28	0.2	0.2	0.2	0.2
883	4/9/2019 15:00:58	0.2	0.2	0.3	0.2
884	4/9/2019 15:01:28	0.2	0.2	0.3	0.2
885	4/9/2019 15:01:58	0.2	0.2	0.2	0.2
886	4/9/2019 15:02:28	0.2	0.2	0.3	0.2
887	4/9/2019 15:02:58	0.2	0.2	0.2	0.2
888	4/9/2019 15:03:28	0.2	0.2	0.2	0.2
889	4/9/2019 15:03:58	0.2	0.2	0.2	0.2
890	4/9/2019 15:04:28	0.2	0.2	0.2	0.2
891	4/9/2019 15:04:58	0.2	0.2	0.3	0.2
892	4/9/2019 15:05:28	0.2	0.2	0.2	0.2
893	4/9/2019 15:05:58	0.2	0.2	0.2	0.2
894	4/9/2019 15:06:28	0.2	0.2	0.2	0.2
895	4/9/2019 15:06:58	0.2	0.2	0.2	0.2
896	4/9/2019 15:07:28	0.2	0.2	0.2	0.2

Peak	0.3	0.3	0.4	0.3
Min	0.0	0.0	0.0	0.0
Average		0.2	0.2	0.2

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/9/2019 07:39:58	0.0	---
002	4/9/2019 07:40:28	0.0	---
003	4/9/2019 07:40:58	0.0	---
004	4/9/2019 07:41:28	0.0	---
005	4/9/2019 07:41:58	0.0	---
006	4/9/2019 07:42:28	0.0	---
007	4/9/2019 07:42:58	0.0	---
008	4/9/2019 07:43:28	0.0	---
009	4/9/2019 07:43:58	0.0	---
010	4/9/2019 07:44:28	0.0	---
011	4/9/2019 07:44:58	0.0	---
012	4/9/2019 07:45:28	0.0	---
013	4/9/2019 07:45:58	0.0	---
014	4/9/2019 07:46:28	0.0	---
015	4/9/2019 07:46:58	0.0	---
016	4/9/2019 07:47:28	0.0	---
017	4/9/2019 07:47:58	0.0	---
018	4/9/2019 07:48:28	0.0	---
019	4/9/2019 07:48:58	0.0	---
020	4/9/2019 07:49:28	0.0	---
021	4/9/2019 07:49:58	0.0	---
022	4/9/2019 07:50:28	0.0	---
023	4/9/2019 07:50:58	0.0	---
024	4/9/2019 07:51:28	0.0	---
025	4/9/2019 07:51:58	0.0	---
026	4/9/2019 07:52:28	0.0	---
027	4/9/2019 07:52:58	0.0	---
028	4/9/2019 07:53:28	0.0	---
029	4/9/2019 07:53:58	0.0	---
030	4/9/2019 07:54:28	0.0	0.0
031	4/9/2019 07:54:58	0.0	0.0
032	4/9/2019 07:55:28	0.0	0.0
033	4/9/2019 07:55:58	0.0	0.0
034	4/9/2019 07:56:28	0.0	0.0
035	4/9/2019 07:56:58	0.0	0.0
036	4/9/2019 07:57:28	0.0	0.0
037	4/9/2019 07:57:58	0.0	0.0
038	4/9/2019 07:58:28	0.0	0.0
039	4/9/2019 07:58:58	0.0	0.0
040	4/9/2019 07:59:28	0.0	0.0
041	4/9/2019 07:59:58	0.0	0.0
042	4/9/2019 08:00:28	0.0	0.0
043	4/9/2019 08:00:58	0.0	0.0
044	4/9/2019 08:01:28	0.0	0.0
045	4/9/2019 08:01:58	0.0	0.0
046	4/9/2019 08:02:28	0.0	0.0
047	4/9/2019 08:02:58	0.0	0.0
048	4/9/2019 08:03:28	0.0	0.0
049	4/9/2019 08:03:58	0.0	0.0

050	4/9/2019 08:04:28	0.0	0.0
051	4/9/2019 08:04:58	0.0	0.0
052	4/9/2019 08:05:28	0.0	0.0
053	4/9/2019 08:05:58	0.0	0.0
054	4/9/2019 08:06:28	0.0	0.0
055	4/9/2019 08:06:58	0.0	0.0
056	4/9/2019 08:07:28	0.0	0.0
057	4/9/2019 08:07:58	0.0	0.0
058	4/9/2019 08:08:28	0.0	0.0
059	4/9/2019 08:08:58	0.0	0.0
060	4/9/2019 08:09:28	0.0	0.0
061	4/9/2019 08:09:58	0.0	0.0
062	4/9/2019 08:10:28	0.0	0.0
063	4/9/2019 08:10:58	0.0	0.0
064	4/9/2019 08:11:28	0.0	0.0
065	4/9/2019 08:11:58	0.0	0.0
066	4/9/2019 08:12:28	0.0	0.0
067	4/9/2019 08:12:58	0.0	0.0
068	4/9/2019 08:13:28	0.0	0.0
069	4/9/2019 08:13:58	0.0	0.0
070	4/9/2019 08:14:28	0.0	0.0
071	4/9/2019 08:14:58	0.0	0.0
072	4/9/2019 08:15:28	0.0	0.0
073	4/9/2019 08:15:58	0.0	0.0
074	4/9/2019 08:16:28	0.0	0.0
075	4/9/2019 08:16:58	0.0	0.0
076	4/9/2019 08:17:28	0.0	0.0
077	4/9/2019 08:17:58	0.0	0.0
078	4/9/2019 08:18:28	0.0	0.0
079	4/9/2019 08:18:58	0.0	0.0
080	4/9/2019 08:19:28	0.0	0.0
081	4/9/2019 08:19:58	0.0	0.0
082	4/9/2019 08:20:28	0.0	0.0
083	4/9/2019 08:20:58	0.0	0.0
084	4/9/2019 08:21:28	0.0	0.0
085	4/9/2019 08:21:58	0.0	0.0
086	4/9/2019 08:22:28	0.0	0.0
087	4/9/2019 08:22:58	0.0	0.0
088	4/9/2019 08:23:28	0.0	0.0
089	4/9/2019 08:23:58	0.0	0.0
090	4/9/2019 08:24:28	0.0	0.0
091	4/9/2019 08:24:58	0.0	0.0
092	4/9/2019 08:25:28	0.0	0.0
093	4/9/2019 08:25:58	0.0	0.1
094	4/9/2019 08:26:28	0.0	0.1
095	4/9/2019 08:26:58	0.0	0.1
096	4/9/2019 08:27:28	0.0	0.1
097	4/9/2019 08:27:58	0.0	0.1
098	4/9/2019 08:28:28	0.0	0.1
099	4/9/2019 08:28:58	0.0	0.1
100	4/9/2019 08:29:28	0.0	0.1
101	4/9/2019 08:29:58	0.0	0.1
102	4/9/2019 08:30:28	0.0	0.1
103	4/9/2019 08:30:58	0.0	0.1
104	4/9/2019 08:31:28	0.0	0.1
105	4/9/2019 08:31:58	0.0	0.1
106	4/9/2019 08:32:28	0.0	0.1

107	4/9/2019 08:32:58	0.0	0.1
108	4/9/2019 08:33:28	0.0	0.1
109	4/9/2019 08:33:58	0.0	0.1
110	4/9/2019 08:34:28	0.0	0.1
111	4/9/2019 08:34:58	0.0	0.1
112	4/9/2019 08:35:28	0.0	0.1
113	4/9/2019 08:35:58	0.0	0.1
114	4/9/2019 08:36:28	0.0	0.1
115	4/9/2019 08:36:58	0.0	0.1
116	4/9/2019 08:37:28	0.0	0.1
117	4/9/2019 08:37:58	0.0	0.1
118	4/9/2019 08:38:28	0.0	0.1
119	4/9/2019 08:38:58	0.0	0.1
120	4/9/2019 08:39:28	0.0	0.1
121	4/9/2019 08:39:58	0.0	0.1
122	4/9/2019 08:40:28	0.0	0.1
123	4/9/2019 08:40:58	0.0	0.1
124	4/9/2019 08:41:28	0.0	0.1
125	4/9/2019 08:41:58	0.0	0.1
126	4/9/2019 08:42:28	0.0	0.1
127	4/9/2019 08:42:58	0.0	0.1
128	4/9/2019 08:43:28	0.0	0.1
129	4/9/2019 08:43:58	0.0	0.1
130	4/9/2019 08:44:28	0.0	0.1
131	4/9/2019 08:44:58	0.0	0.1
132	4/9/2019 08:45:28	0.0	0.1
133	4/9/2019 08:45:58	0.0	0.1
134	4/9/2019 08:46:28	0.0	0.1
135	4/9/2019 08:46:58	0.0	0.1
136	4/9/2019 08:47:28	0.0	0.1
137	4/9/2019 08:47:58	0.0	0.1
138	4/9/2019 08:48:28	0.0	0.1
139	4/9/2019 08:48:58	0.0	0.1
140	4/9/2019 08:49:28	0.0	0.1
141	4/9/2019 08:49:58	0.0	0.1
142	4/9/2019 08:50:28	0.0	0.1
143	4/9/2019 08:50:58	0.0	0.1
144	4/9/2019 08:51:28	0.0	0.1
145	4/9/2019 08:51:58	0.0	0.1
146	4/9/2019 08:52:28	0.0	0.1
147	4/9/2019 08:52:58	0.0	0.1
148	4/9/2019 08:53:28	0.0	0.1
149	4/9/2019 08:53:58	0.0	0.1
150	4/9/2019 08:54:28	0.0	0.1
151	4/9/2019 08:54:58	0.0	0.1
152	4/9/2019 08:55:28	0.0	0.1
153	4/9/2019 08:55:58	0.0	0.1
154	4/9/2019 08:56:28	0.0	0.1
155	4/9/2019 08:56:58	0.0	0.1
156	4/9/2019 08:57:28	0.0	0.1
157	4/9/2019 08:57:58	0.0	0.1
158	4/9/2019 08:58:28	0.0	0.1
159	4/9/2019 08:58:58	0.0	0.1
160	4/9/2019 08:59:28	0.0	0.1
161	4/9/2019 08:59:58	0.0	0.1
162	4/9/2019 09:00:28	0.0	0.1
163	4/9/2019 09:00:58	0.0	0.1

164	4/9/2019 09:01:28	0.0	0.1
165	4/9/2019 09:01:58	0.0	0.1
166	4/9/2019 09:02:28	0.0	0.1
167	4/9/2019 09:02:58	0.0	0.1
168	4/9/2019 09:03:28	0.0	0.1
169	4/9/2019 09:03:58	0.0	0.1
170	4/9/2019 09:04:28	0.0	0.1
171	4/9/2019 09:04:58	0.0	0.1
172	4/9/2019 09:05:28	0.0	0.1
173	4/9/2019 09:05:58	0.0	0.1
174	4/9/2019 09:06:28	0.0	0.1
175	4/9/2019 09:06:58	0.0	0.1
176	4/9/2019 09:07:28	0.0	0.1
177	4/9/2019 09:07:58	0.0	0.1
178	4/9/2019 09:08:28	0.0	0.1
179	4/9/2019 09:08:58	0.0	0.1
180	4/9/2019 09:09:28	0.0	0.1
181	4/9/2019 09:09:58	0.0	0.1
182	4/9/2019 09:10:28	0.0	0.1
183	4/9/2019 09:10:58	0.0	0.1
184	4/9/2019 09:11:28	0.0	0.1
185	4/9/2019 09:11:58	0.0	0.1
186	4/9/2019 09:12:28	0.0	0.1
187	4/9/2019 09:12:58	0.0	0.1
188	4/9/2019 09:13:28	0.0	0.1
189	4/9/2019 09:13:58	0.0	0.1
190	4/9/2019 09:14:28	0.0	0.1
191	4/9/2019 09:14:58	0.0	0.1
192	4/9/2019 09:15:28	0.0	0.1
193	4/9/2019 09:15:58	0.0	0.1
194	4/9/2019 09:16:28	0.0	0.1
195	4/9/2019 09:16:58	0.0	0.1
196	4/9/2019 09:17:28	0.0	0.1
197	4/9/2019 09:17:58	0.0	0.1
198	4/9/2019 09:18:28	0.0	0.1
199	4/9/2019 09:18:58	0.0	0.1
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201	4/9/2019 09:19:58	0.0	0.1
202	4/9/2019 09:20:28	0.0	0.1
203	4/9/2019 09:20:58	0.0	0.1
204	4/9/2019 09:21:28	0.0	0.1
205	4/9/2019 09:21:58	0.0	0.1
206	4/9/2019 09:22:28	0.0	0.1
207	4/9/2019 09:22:58	0.0	0.1
208	4/9/2019 09:23:28	0.0	0.1
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213	4/9/2019 09:25:58	0.0	0.1
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215	4/9/2019 09:26:58	0.0	0.1
216	4/9/2019 09:27:28	0.0	0.1
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220	4/9/2019 09:29:28	0.0	0.1

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227	4/9/2019 09:32:58	0.0	0.2
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229	4/9/2019 09:33:58	0.0	0.2
230	4/9/2019 09:34:28	0.0	0.2
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232	4/9/2019 09:35:28	0.0	0.2
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293	4/9/2019 10:05:58	0.0	0.2
294	4/9/2019 10:06:28	0.0	0.2
295	4/9/2019 10:06:58	0.0	0.2
296	4/9/2019 10:07:28	0.0	0.2
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549	4/9/2019	12:13:58	0.1	0.2
550	4/9/2019	12:14:28	0.1	0.2
551	4/9/2019	12:14:58	0.1	0.2
552	4/9/2019	12:15:28	0.1	0.2
553	4/9/2019	12:15:58	0.1	0.2
554	4/9/2019	12:16:28	0.1	0.2
555	4/9/2019	12:16:58	0.1	0.2
556	4/9/2019	12:17:28	0.1	0.2
557	4/9/2019	12:17:58	0.1	0.2
558	4/9/2019	12:18:28	0.1	0.2
559	4/9/2019	12:18:58	0.1	0.2
560	4/9/2019	12:19:28	0.1	0.2
561	4/9/2019	12:19:58	0.1	0.2
562	4/9/2019	12:20:28	0.1	0.2

563	4/9/2019	12:20:58	0.1	0.2
564	4/9/2019	12:21:28	0.1	0.2
565	4/9/2019	12:21:58	0.1	0.2
566	4/9/2019	12:22:28	0.1	0.2
567	4/9/2019	12:22:58	0.1	0.2
568	4/9/2019	12:23:28	0.1	0.2
569	4/9/2019	12:23:58	0.1	0.2
570	4/9/2019	12:24:28	0.1	0.2
571	4/9/2019	12:24:58	0.1	0.2
572	4/9/2019	12:25:28	0.1	0.2
573	4/9/2019	12:25:58	0.1	0.2
574	4/9/2019	12:26:28	0.1	0.2
575	4/9/2019	12:26:58	0.1	0.2
576	4/9/2019	12:27:28	0.1	0.2
577	4/9/2019	12:27:58	0.1	0.2
578	4/9/2019	12:28:28	0.1	0.2
579	4/9/2019	12:28:58	0.1	0.2
580	4/9/2019	12:29:28	0.1	0.2
581	4/9/2019	12:29:58	0.1	0.2
582	4/9/2019	12:30:28	0.1	0.2
583	4/9/2019	12:30:58	0.1	0.2
584	4/9/2019	12:31:28	0.1	0.2
585	4/9/2019	12:31:58	0.1	0.2
586	4/9/2019	12:32:28	0.1	0.2
587	4/9/2019	12:32:58	0.1	0.2
588	4/9/2019	12:33:28	0.1	0.2
589	4/9/2019	12:33:58	0.1	0.2
590	4/9/2019	12:34:28	0.1	0.2
591	4/9/2019	12:34:58	0.1	0.2
592	4/9/2019	12:35:28	0.1	0.2
593	4/9/2019	12:35:58	0.1	0.2
594	4/9/2019	12:36:28	0.1	0.2
595	4/9/2019	12:36:58	0.1	0.2
596	4/9/2019	12:37:28	0.1	0.2
597	4/9/2019	12:37:58	0.1	0.2
598	4/9/2019	12:38:28	0.1	0.2
599	4/9/2019	12:38:58	0.1	0.2
600	4/9/2019	12:39:28	0.1	0.2
601	4/9/2019	12:39:58	0.1	0.2
602	4/9/2019	12:40:28	0.1	0.2
603	4/9/2019	12:40:58	0.1	0.2
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605	4/9/2019	12:41:58	0.1	0.2
606	4/9/2019	12:42:28	0.1	0.2
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614	4/9/2019	12:46:28	0.1	0.2
615	4/9/2019	12:46:58	0.1	0.2
616	4/9/2019	12:47:28	0.1	0.2
617	4/9/2019	12:47:58	0.1	0.2
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637	4/9/2019	12:57:58	0.1	0.2
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639	4/9/2019	12:58:58	0.1	0.2
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646	4/9/2019	13:02:28	0.1	0.2
647	4/9/2019	13:02:58	0.1	0.2
648	4/9/2019	13:03:28	0.1	0.2
649	4/9/2019	13:03:58	0.1	0.2
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652	4/9/2019	13:05:28	0.1	0.2
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655	4/9/2019	13:06:58	0.1	0.3
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669	4/9/2019	13:13:58	0.1	0.3
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673	4/9/2019	13:15:58	0.1	0.3
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676	4/9/2019	13:17:28	0.1	0.3

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683	4/9/2019 13:20:58	0.1	0.3
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685	4/9/2019 13:21:58	0.1	0.3
686	4/9/2019 13:22:28	0.1	0.3
687	4/9/2019 13:22:58	0.1	0.3
688	4/9/2019 13:23:28	0.1	0.3
689	4/9/2019 13:23:58	0.1	0.3
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693	4/9/2019 13:25:58	0.1	0.3
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695	4/9/2019 13:26:58	0.1	0.3
696	4/9/2019 13:27:28	0.1	0.3
697	4/9/2019 13:27:58	0.1	0.3
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699	4/9/2019 13:28:58	0.1	0.3
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701	4/9/2019 13:29:58	0.1	0.3
702	4/9/2019 13:30:28	0.1	0.3
703	4/9/2019 13:30:58	0.1	0.3
704	4/9/2019 13:31:28	0.1	0.3
705	4/9/2019 13:31:58	0.1	0.3
706	4/9/2019 13:32:28	0.1	0.3
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709	4/9/2019 13:33:58	0.1	0.3
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728	4/9/2019 13:43:28	0.1	0.2
729	4/9/2019 13:43:58	0.1	0.2
730	4/9/2019 13:44:28	0.1	0.2
731	4/9/2019 13:44:58	0.1	0.2
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733	4/9/2019 13:45:58	0.1	0.2

734	4/9/2019 13:46:28	0.1	0.2
735	4/9/2019 13:46:58	0.1	0.2
736	4/9/2019 13:47:28	0.1	0.2
737	4/9/2019 13:47:58	0.1	0.2
738	4/9/2019 13:48:28	0.1	0.2
739	4/9/2019 13:48:58	0.1	0.2
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741	4/9/2019 13:49:58	0.1	0.2
742	4/9/2019 13:50:28	0.1	0.2
743	4/9/2019 13:50:58	0.1	0.2
744	4/9/2019 13:51:28	0.1	0.2
745	4/9/2019 13:51:58	0.1	0.2
746	4/9/2019 13:52:28	0.1	0.2
747	4/9/2019 13:52:58	0.1	0.2
748	4/9/2019 13:53:28	0.1	0.2
749	4/9/2019 13:53:58	0.1	0.2
750	4/9/2019 13:54:28	0.1	0.2
751	4/9/2019 13:54:58	0.1	0.2
752	4/9/2019 13:55:28	0.1	0.2
753	4/9/2019 13:55:58	0.1	0.2
754	4/9/2019 13:56:28	0.1	0.2
755	4/9/2019 13:56:58	0.1	0.2
756	4/9/2019 13:57:28	0.1	0.2
757	4/9/2019 13:57:58	0.1	0.2
758	4/9/2019 13:58:28	0.1	0.2
759	4/9/2019 13:58:58	0.1	0.2
760	4/9/2019 13:59:28	0.1	0.2
761	4/9/2019 13:59:58	0.1	0.2
762	4/9/2019 14:00:28	0.1	0.2
763	4/9/2019 14:00:58	0.1	0.2
764	4/9/2019 14:01:28	0.1	0.2
765	4/9/2019 14:01:58	0.1	0.2
766	4/9/2019 14:02:28	0.1	0.2
767	4/9/2019 14:02:58	0.1	0.2
768	4/9/2019 14:03:28	0.1	0.2
769	4/9/2019 14:03:58	0.1	0.2
770	4/9/2019 14:04:28	0.1	0.2
771	4/9/2019 14:04:58	0.1	0.2
772	4/9/2019 14:05:28	0.1	0.2
773	4/9/2019 14:05:58	0.1	0.2
774	4/9/2019 14:06:28	0.1	0.2
775	4/9/2019 14:06:58	0.1	0.2
776	4/9/2019 14:07:28	0.1	0.2
777	4/9/2019 14:07:58	0.1	0.2
778	4/9/2019 14:08:28	0.1	0.2
779	4/9/2019 14:08:58	0.1	0.2
780	4/9/2019 14:09:28	0.1	0.2
781	4/9/2019 14:09:58	0.1	0.2
782	4/9/2019 14:10:28	0.1	0.2
783	4/9/2019 14:10:58	0.1	0.2
784	4/9/2019 14:11:28	0.1	0.2
785	4/9/2019 14:11:58	0.1	0.2
786	4/9/2019 14:12:28	0.1	0.2
787	4/9/2019 14:12:58	0.1	0.2
788	4/9/2019 14:13:28	0.1	0.2
789	4/9/2019 14:13:58	0.1	0.2
790	4/9/2019 14:14:28	0.1	0.2

791	4/9/2019	14:14:58	0.1	0.2
792	4/9/2019	14:15:28	0.1	0.2
793	4/9/2019	14:15:58	0.1	0.2
794	4/9/2019	14:16:28	0.1	0.2
795	4/9/2019	14:16:58	0.1	0.2
796	4/9/2019	14:17:28	0.1	0.2
797	4/9/2019	14:17:58	0.1	0.2
798	4/9/2019	14:18:28	0.1	0.2
799	4/9/2019	14:18:58	0.1	0.2
800	4/9/2019	14:19:28	0.1	0.2
801	4/9/2019	14:19:58	0.1	0.2
802	4/9/2019	14:20:28	0.1	0.2
803	4/9/2019	14:20:58	0.1	0.2
804	4/9/2019	14:21:28	0.1	0.2
805	4/9/2019	14:21:58	0.1	0.2
806	4/9/2019	14:22:28	0.1	0.2
807	4/9/2019	14:22:58	0.1	0.2
808	4/9/2019	14:23:28	0.1	0.2
809	4/9/2019	14:23:58	0.1	0.2
810	4/9/2019	14:24:28	0.1	0.2
811	4/9/2019	14:24:58	0.1	0.2
812	4/9/2019	14:25:28	0.1	0.2
813	4/9/2019	14:25:58	0.1	0.2
814	4/9/2019	14:26:28	0.1	0.2
815	4/9/2019	14:26:58	0.1	0.2
816	4/9/2019	14:27:28	0.1	0.2
817	4/9/2019	14:27:58	0.1	0.2
818	4/9/2019	14:28:28	0.1	0.2
819	4/9/2019	14:28:58	0.1	0.2
820	4/9/2019	14:29:28	0.1	0.2
821	4/9/2019	14:29:58	0.1	0.2
822	4/9/2019	14:30:28	0.1	0.2
823	4/9/2019	14:30:58	0.1	0.2
824	4/9/2019	14:31:28	0.1	0.2
825	4/9/2019	14:31:58	0.2	0.2
826	4/9/2019	14:32:28	0.2	0.2
827	4/9/2019	14:32:58	0.2	0.2
828	4/9/2019	14:33:28	0.2	0.2
829	4/9/2019	14:33:58	0.2	0.2
830	4/9/2019	14:34:28	0.2	0.2
831	4/9/2019	14:34:58	0.2	0.2
832	4/9/2019	14:35:28	0.2	0.2
833	4/9/2019	14:35:58	0.2	0.2
834	4/9/2019	14:36:28	0.2	0.2
835	4/9/2019	14:36:58	0.2	0.2
836	4/9/2019	14:37:28	0.2	0.2
837	4/9/2019	14:37:58	0.2	0.2
838	4/9/2019	14:38:28	0.2	0.2
839	4/9/2019	14:38:58	0.2	0.2
840	4/9/2019	14:39:28	0.2	0.2
841	4/9/2019	14:39:58	0.2	0.2
842	4/9/2019	14:40:28	0.2	0.2
843	4/9/2019	14:40:58	0.2	0.2
844	4/9/2019	14:41:28	0.2	0.2
845	4/9/2019	14:41:58	0.2	0.2
846	4/9/2019	14:42:28	0.2	0.2
847	4/9/2019	14:42:58	0.2	0.2

848	4/9/2019 14:43:28	0.2	0.2
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852	4/9/2019 14:45:28	0.2	0.2
853	4/9/2019 14:45:58	0.2	0.2
854	4/9/2019 14:46:28	0.2	0.2
855	4/9/2019 14:46:58	0.2	0.2
856	4/9/2019 14:47:28	0.2	0.2
857	4/9/2019 14:47:58	0.2	0.2
858	4/9/2019 14:48:28	0.2	0.2
859	4/9/2019 14:48:58	0.2	0.2
860	4/9/2019 14:49:28	0.2	0.2
861	4/9/2019 14:49:58	0.2	0.2
862	4/9/2019 14:50:28	0.2	0.2
863	4/9/2019 14:50:58	0.2	0.2
864	4/9/2019 14:51:28	0.2	0.2
865	4/9/2019 14:51:58	0.2	0.2
866	4/9/2019 14:52:28	0.2	0.2
867	4/9/2019 14:52:58	0.2	0.2
868	4/9/2019 14:53:28	0.2	0.2
869	4/9/2019 14:53:58	0.2	0.2
870	4/9/2019 14:54:28	0.2	0.2
871	4/9/2019 14:54:58	0.2	0.2
872	4/9/2019 14:55:28	0.2	0.2
873	4/9/2019 14:55:58	0.2	0.2
874	4/9/2019 14:56:28	0.2	0.2
875	4/9/2019 14:56:58	0.2	0.2
876	4/9/2019 14:57:28	0.2	0.2
877	4/9/2019 14:57:58	0.2	0.2
878	4/9/2019 14:58:28	0.2	0.2
879	4/9/2019 14:58:58	0.2	0.2
880	4/9/2019 14:59:28	0.2	0.2
881	4/9/2019 14:59:58	0.2	0.2
882	4/9/2019 15:00:28	0.2	0.2
883	4/9/2019 15:00:58	0.2	0.2
884	4/9/2019 15:01:28	0.2	0.2
885	4/9/2019 15:01:58	0.2	0.2
886	4/9/2019 15:02:28	0.2	0.2
887	4/9/2019 15:02:58	0.2	0.2
888	4/9/2019 15:03:28	0.2	0.2
889	4/9/2019 15:03:58	0.2	0.2
890	4/9/2019 15:04:28	0.2	0.2
891	4/9/2019 15:04:58	0.2	0.2
892	4/9/2019 15:05:28	0.2	0.2
893	4/9/2019 15:05:58	0.2	0.2
894	4/9/2019 15:06:28	0.2	0.2
895	4/9/2019 15:06:58	0.2	0.2
896	4/9/2019 15:07:28	0.2	0.2

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19/04/10 07:34

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-910551

Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/10/2019 07:34:24
End 4/10/2019 07:34:35
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/9/2019 07:32

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Datalog

0 record.

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19/04/10 07:52
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/10/2019 07:52:14
End 4/10/2019 15:07:59
Sample Period(s) 30
Number of Records 871

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/10/2019 07:38
Peak 0.1
Min 0.0
Average 0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/10/2019 07:52:44	0.0	0.0	0.0	0.0
002	4/10/2019 07:53:14	0.0	0.0	0.0	0.0
003	4/10/2019 07:53:44	0.0	0.0	0.0	0.0
004	4/10/2019 07:54:14	0.0	0.0	0.0	0.0
005	4/10/2019 07:54:44	0.0	0.0	0.0	0.0
006	4/10/2019 07:55:14	0.0	0.0	0.0	0.0
007	4/10/2019 07:55:44	0.0	0.0	0.0	0.0
008	4/10/2019 07:56:14	0.0	0.0	0.0	0.0
009	4/10/2019 07:56:44	0.0	0.0	0.0	0.0
010	4/10/2019 07:57:14	0.0	0.0	0.0	0.0
011	4/10/2019 07:57:44	0.0	0.0	0.0	0.0
012	4/10/2019 07:58:14	0.0	0.0	0.0	0.0
013	4/10/2019 07:58:44	0.0	0.0	0.0	0.0
014	4/10/2019 07:59:14	0.0	0.0	0.0	0.0
015	4/10/2019 07:59:44	0.0	0.0	0.0	0.0
016	4/10/2019 08:00:14	0.0	0.0	0.0	0.0
017	4/10/2019 08:00:44	0.0	0.0	0.0	0.0
018	4/10/2019 08:01:14	0.0	0.0	0.0	0.0
019	4/10/2019 08:01:44	0.0	0.0	0.0	0.0
020	4/10/2019 08:02:14	0.0	0.0	0.0	0.0
021	4/10/2019 08:02:44	0.0	0.0	0.0	0.0
022	4/10/2019 08:03:14	0.0	0.0	0.0	0.0
023	4/10/2019 08:03:44	0.0	0.0	0.0	0.0
024	4/10/2019 08:04:14	0.0	0.0	0.0	0.0
025	4/10/2019 08:04:44	0.0	0.0	0.0	0.0
026	4/10/2019 08:05:14	0.0	0.0	0.0	0.0
027	4/10/2019 08:05:44	0.0	0.0	0.0	0.0
028	4/10/2019 08:06:14	0.0	0.0	0.0	0.0
029	4/10/2019 08:06:44	0.0	0.0	0.0	0.0
030	4/10/2019 08:07:14	0.0	0.0	0.0	0.0
031	4/10/2019 08:07:44	0.0	0.0	0.0	0.0
032	4/10/2019 08:08:14	0.0	0.0	0.0	0.0
033	4/10/2019 08:08:44	0.0	0.0	0.0	0.0
034	4/10/2019 08:09:14	0.0	0.0	0.0	0.0
035	4/10/2019 08:09:44	0.0	0.0	0.0	0.0
036	4/10/2019 08:10:14	0.0	0.0	0.0	0.0
037	4/10/2019 08:10:44	0.0	0.0	0.0	0.0
038	4/10/2019 08:11:14	0.0	0.0	0.0	0.0
039	4/10/2019 08:11:44	0.0	0.0	0.0	0.0
040	4/10/2019 08:12:14	0.0	0.0	0.0	0.0

041	4/10/2019	08:12:44	0.0	0.0	0.0	0.0
042	4/10/2019	08:13:14	0.0	0.0	0.0	0.0
043	4/10/2019	08:13:44	0.0	0.0	0.0	0.0
044	4/10/2019	08:14:14	0.0	0.0	0.0	0.0
045	4/10/2019	08:14:44	0.0	0.0	0.0	0.0
046	4/10/2019	08:15:14	0.0	0.0	0.0	0.0
047	4/10/2019	08:15:44	0.0	0.0	0.0	0.0
048	4/10/2019	08:16:14	0.0	0.0	0.0	0.0
049	4/10/2019	08:16:44	0.0	0.0	0.0	0.0
050	4/10/2019	08:17:14	0.0	0.0	0.0	0.0
051	4/10/2019	08:17:44	0.0	0.0	0.0	0.0
052	4/10/2019	08:18:14	0.0	0.0	0.0	0.0
053	4/10/2019	08:18:44	0.0	0.0	0.0	0.0
054	4/10/2019	08:19:14	0.0	0.0	0.0	0.0
055	4/10/2019	08:19:44	0.0	0.0	0.0	0.0
056	4/10/2019	08:20:14	0.0	0.0	0.0	0.0
057	4/10/2019	08:20:44	0.0	0.0	0.0	0.0
058	4/10/2019	08:21:14	0.0	0.1	0.2	0.0
059	4/10/2019	08:21:44	0.0	0.1	0.1	0.0
060	4/10/2019	08:22:14	0.0	0.0	0.1	0.0
061	4/10/2019	08:22:44	0.0	0.0	0.0	0.0
062	4/10/2019	08:23:14	0.0	0.0	0.1	0.0
063	4/10/2019	08:23:44	0.0	0.0	0.0	0.0
064	4/10/2019	08:24:14	0.0	0.0	0.0	0.0
065	4/10/2019	08:24:44	0.0	0.0	0.0	0.0
066	4/10/2019	08:25:14	0.0	0.0	0.0	0.0
067	4/10/2019	08:25:44	0.0	0.0	0.0	0.0
068	4/10/2019	08:26:14	0.0	0.0	0.0	0.0
069	4/10/2019	08:26:44	0.0	0.0	0.0	0.0
070	4/10/2019	08:27:14	0.0	0.0	0.1	0.0
071	4/10/2019	08:27:44	0.0	0.0	0.0	0.0
072	4/10/2019	08:28:14	0.0	0.0	0.0	0.0
073	4/10/2019	08:28:44	0.0	0.0	0.0	0.0
074	4/10/2019	08:29:14	0.0	0.0	0.0	0.0
075	4/10/2019	08:29:44	0.0	0.0	0.0	0.0
076	4/10/2019	08:30:14	0.0	0.0	0.0	0.0
077	4/10/2019	08:30:44	0.0	0.0	0.1	0.0
078	4/10/2019	08:31:14	0.0	0.0	0.1	0.0
079	4/10/2019	08:31:44	0.0	0.0	0.0	0.0
080	4/10/2019	08:32:14	0.0	0.0	0.0	0.0
081	4/10/2019	08:32:44	0.0	0.0	0.0	0.0
082	4/10/2019	08:33:14	0.0	0.0	0.0	0.0
083	4/10/2019	08:33:44	0.0	0.0	0.0	0.0
084	4/10/2019	08:34:14	0.0	0.0	0.0	0.0
085	4/10/2019	08:34:44	0.0	0.0	0.0	0.0
086	4/10/2019	08:35:14	0.0	0.0	0.0	0.0
087	4/10/2019	08:35:44	0.0	0.0	0.0	0.0
088	4/10/2019	08:36:14	0.0	0.0	0.0	0.0
089	4/10/2019	08:36:44	0.0	0.0	0.0	0.0
090	4/10/2019	08:37:14	0.0	0.0	0.0	0.0
091	4/10/2019	08:37:44	0.0	0.0	0.0	0.0
092	4/10/2019	08:38:14	0.0	0.0	0.0	0.0
093	4/10/2019	08:38:44	0.0	0.0	0.0	0.0
094	4/10/2019	08:39:14	0.0	0.0	0.0	0.0
095	4/10/2019	08:39:44	0.0	0.0	0.0	0.0
096	4/10/2019	08:40:14	0.0	0.0	0.0	0.0
097	4/10/2019	08:40:44	0.0	0.0	0.0	0.0

098	4/10/2019	08:41:14	0.0	0.0	0.0	0.0
099	4/10/2019	08:41:44	0.0	0.0	0.0	0.0
100	4/10/2019	08:42:14	0.0	0.0	0.0	0.0
101	4/10/2019	08:42:44	0.0	0.0	0.0	0.0
102	4/10/2019	08:43:14	0.0	0.0	0.0	0.0
103	4/10/2019	08:43:44	0.0	0.0	0.0	0.0
104	4/10/2019	08:44:14	0.0	0.0	0.0	0.0
105	4/10/2019	08:44:44	0.0	0.0	0.0	0.0
106	4/10/2019	08:45:14	0.0	0.0	0.0	0.0
107	4/10/2019	08:45:44	0.0	0.0	0.0	0.0
108	4/10/2019	08:46:14	0.0	0.0	0.0	0.0
109	4/10/2019	08:46:44	0.0	0.0	0.0	0.0
110	4/10/2019	08:47:14	0.0	0.0	0.1	0.1
111	4/10/2019	08:47:44	0.0	0.0	0.1	0.0
112	4/10/2019	08:48:14	0.0	0.0	0.0	0.0
113	4/10/2019	08:48:44	0.0	0.0	0.0	0.0
114	4/10/2019	08:49:14	0.0	0.0	0.0	0.0
115	4/10/2019	08:49:44	0.0	0.0	0.0	0.0
116	4/10/2019	08:50:14	0.0	0.0	0.0	0.0
117	4/10/2019	08:50:44	0.0	0.0	0.0	0.0
118	4/10/2019	08:51:14	0.0	0.0	0.0	0.0
119	4/10/2019	08:51:44	0.0	0.0	0.0	0.0
120	4/10/2019	08:52:14	0.0	0.0	0.0	0.0
121	4/10/2019	08:52:44	0.0	0.0	0.0	0.0
122	4/10/2019	08:53:14	0.0	0.0	0.0	0.0
123	4/10/2019	08:53:44	0.0	0.0	0.0	0.0
124	4/10/2019	08:54:14	0.0	0.0	0.0	0.0
125	4/10/2019	08:54:44	0.0	0.0	0.0	0.0
126	4/10/2019	08:55:14	0.0	0.0	0.0	0.0
127	4/10/2019	08:55:44	0.0	0.0	0.0	0.0
128	4/10/2019	08:56:14	0.0	0.0	0.0	0.0
129	4/10/2019	08:56:44	0.0	0.0	0.0	0.0
130	4/10/2019	08:57:14	0.0	0.0	0.0	0.0
131	4/10/2019	08:57:44	0.0	0.0	0.0	0.0
132	4/10/2019	08:58:14	0.0	0.0	0.0	0.0
133	4/10/2019	08:58:44	0.0	0.0	0.0	0.0
134	4/10/2019	08:59:14	0.0	0.0	0.0	0.0
135	4/10/2019	08:59:44	0.0	0.0	0.0	0.0
136	4/10/2019	09:00:14	0.0	0.0	0.0	0.0
137	4/10/2019	09:00:44	0.0	0.0	0.0	0.0
138	4/10/2019	09:01:14	0.0	0.0	0.0	0.0
139	4/10/2019	09:01:44	0.0	0.0	0.0	0.0
140	4/10/2019	09:02:14	0.0	0.0	0.0	0.0
141	4/10/2019	09:02:44	0.0	0.0	0.0	0.0
142	4/10/2019	09:03:14	0.0	0.0	0.0	0.0
143	4/10/2019	09:03:44	0.0	0.0	0.0	0.0
144	4/10/2019	09:04:14	0.0	0.0	0.0	0.0
145	4/10/2019	09:04:44	0.0	0.0	0.0	0.0
146	4/10/2019	09:05:14	0.0	0.0	0.0	0.0
147	4/10/2019	09:05:44	0.0	0.0	0.0	0.0
148	4/10/2019	09:06:14	0.0	0.0	0.0	0.0
149	4/10/2019	09:06:44	0.0	0.0	0.0	0.0
150	4/10/2019	09:07:14	0.0	0.0	0.0	0.0
151	4/10/2019	09:07:44	0.0	0.0	0.0	0.0
152	4/10/2019	09:08:14	0.0	0.0	0.0	0.0
153	4/10/2019	09:08:44	0.0	0.0	0.0	0.0
154	4/10/2019	09:09:14	0.0	0.0	0.0	0.0

155	4/10/2019 09:09:44	0.0	0.0	0.0	0.0
156	4/10/2019 09:10:14	0.0	0.0	0.0	0.0
157	4/10/2019 09:10:44	0.0	0.0	0.0	0.0
158	4/10/2019 09:11:14	0.0	0.0	0.0	0.0
159	4/10/2019 09:11:44	0.0	0.0	0.0	0.0
160	4/10/2019 09:12:14	0.0	0.0	0.0	0.0
161	4/10/2019 09:12:44	0.0	0.0	0.0	0.0
162	4/10/2019 09:13:14	0.0	0.0	0.0	0.0
163	4/10/2019 09:13:44	0.0	0.0	0.0	0.0
164	4/10/2019 09:14:14	0.0	0.0	0.0	0.0
165	4/10/2019 09:14:44	0.0	0.0	0.0	0.0
166	4/10/2019 09:15:14	0.0	0.0	0.0	0.0
167	4/10/2019 09:15:44	0.0	0.0	0.0	0.0
168	4/10/2019 09:16:14	0.0	0.0	0.0	0.0
169	4/10/2019 09:16:44	0.0	0.0	0.0	0.0
170	4/10/2019 09:17:14	0.0	0.0	0.0	0.0
171	4/10/2019 09:17:44	0.0	0.0	0.0	0.0
172	4/10/2019 09:18:14	0.0	0.0	0.0	0.0
173	4/10/2019 09:18:44	0.0	0.0	0.1	0.1
174	4/10/2019 09:19:14	0.0	0.1	0.1	0.0
175	4/10/2019 09:19:44	0.0	0.0	0.0	0.0
176	4/10/2019 09:20:14	0.0	0.0	0.0	0.0
177	4/10/2019 09:20:44	0.0	0.0	0.0	0.0
178	4/10/2019 09:21:14	0.0	0.0	0.0	0.0
179	4/10/2019 09:21:44	0.0	0.0	0.0	0.0
180	4/10/2019 09:22:14	0.0	0.0	0.0	0.0
181	4/10/2019 09:22:44	0.0	0.0	0.0	0.0
182	4/10/2019 09:23:14	0.0	0.0	0.0	0.0
183	4/10/2019 09:23:44	0.0	0.0	0.0	0.0
184	4/10/2019 09:24:14	0.0	0.0	0.0	0.0
185	4/10/2019 09:24:44	0.0	0.0	0.0	0.0
186	4/10/2019 09:25:14	0.0	0.0	0.0	0.0
187	4/10/2019 09:25:44	0.0	0.0	0.0	0.0
188	4/10/2019 09:26:14	0.0	0.0	0.0	0.0
189	4/10/2019 09:26:44	0.0	0.0	0.0	0.0
190	4/10/2019 09:27:14	0.0	0.0	0.0	0.0
191	4/10/2019 09:27:44	0.0	0.0	0.0	0.0
192	4/10/2019 09:28:14	0.0	0.0	0.0	0.0
193	4/10/2019 09:28:44	0.0	0.0	0.0	0.0
194	4/10/2019 09:29:14	0.0	0.0	0.0	0.0
195	4/10/2019 09:29:44	0.0	0.0	0.0	0.0
196	4/10/2019 09:30:14	0.0	0.0	0.0	0.0
197	4/10/2019 09:30:44	0.0	0.0	0.0	0.0
198	4/10/2019 09:31:14	0.0	0.0	0.0	0.0
199	4/10/2019 09:31:44	0.0	0.0	0.0	0.0
200	4/10/2019 09:32:14	0.0	0.0	0.0	0.0
201	4/10/2019 09:32:44	0.0	0.0	0.0	0.0
202	4/10/2019 09:33:14	0.0	0.0	0.0	0.0
203	4/10/2019 09:33:44	0.0	0.0	0.0	0.0
204	4/10/2019 09:34:14	0.0	0.0	0.0	0.0
205	4/10/2019 09:34:44	0.0	0.0	0.0	0.0
206	4/10/2019 09:35:14	0.0	0.0	0.0	0.0
207	4/10/2019 09:35:44	0.0	0.0	0.0	0.0
208	4/10/2019 09:36:14	0.0	0.0	0.0	0.0
209	4/10/2019 09:36:44	0.0	0.0	0.0	0.0
210	4/10/2019 09:37:14	0.0	0.0	0.0	0.0
211	4/10/2019 09:37:44	0.0	0.0	0.0	0.0

212	4/10/2019 09:38:14	0.0	0.0	0.0	0.0
213	4/10/2019 09:38:44	0.0	0.0	0.0	0.0
214	4/10/2019 09:39:14	0.0	0.0	0.0	0.0
215	4/10/2019 09:39:44	0.0	0.1	0.1	0.1
216	4/10/2019 09:40:14	0.0	0.0	0.1	0.0
217	4/10/2019 09:40:44	0.0	0.0	0.0	0.0
218	4/10/2019 09:41:14	0.0	0.0	0.0	0.0
219	4/10/2019 09:41:44	0.0	0.0	0.0	0.0
220	4/10/2019 09:42:14	0.0	0.0	0.0	0.0
221	4/10/2019 09:42:44	0.0	0.0	0.0	0.0
222	4/10/2019 09:43:14	0.0	0.0	0.0	0.0
223	4/10/2019 09:43:44	0.0	0.0	0.0	0.0
224	4/10/2019 09:44:14	0.0	0.0	0.1	0.0
225	4/10/2019 09:44:44	0.0	0.0	0.1	0.1
226	4/10/2019 09:45:14	0.0	0.1	0.1	0.1
227	4/10/2019 09:45:44	0.1	0.1	0.1	0.1
228	4/10/2019 09:46:14	0.1	0.1	0.1	0.1
229	4/10/2019 09:46:44	0.1	0.1	0.1	0.1
230	4/10/2019 09:47:14	0.1	0.1	0.1	0.1
231	4/10/2019 09:47:44	0.1	0.1	0.1	0.1
232	4/10/2019 09:48:14	0.1	0.1	0.1	0.1
233	4/10/2019 09:48:44	0.1	0.1	0.1	0.1
234	4/10/2019 09:49:14	0.1	0.1	0.1	0.1
235	4/10/2019 09:49:44	0.1	0.1	0.1	0.1
236	4/10/2019 09:50:14	0.1	0.1	0.1	0.1
237	4/10/2019 09:50:44	0.1	0.1	0.1	0.1
238	4/10/2019 09:51:14	0.1	0.1	0.1	0.1
239	4/10/2019 09:51:44	0.0	0.0	0.1	0.0
240	4/10/2019 09:52:14	0.0	0.0	0.1	0.1
241	4/10/2019 09:52:44	0.0	0.1	0.1	0.0
242	4/10/2019 09:53:14	0.0	0.0	0.1	0.0
243	4/10/2019 09:53:44	0.0	0.1	0.1	0.1
244	4/10/2019 09:54:14	0.1	0.1	0.1	0.1
245	4/10/2019 09:54:44	0.1	0.1	0.1	0.1
246	4/10/2019 09:55:14	0.0	0.1	0.1	0.0
247	4/10/2019 09:55:44	0.0	0.0	0.1	0.1
248	4/10/2019 09:56:14	0.0	0.1	0.1	0.1
249	4/10/2019 09:56:44	0.1	0.1	0.1	0.1
250	4/10/2019 09:57:14	0.1	0.1	0.1	0.1
251	4/10/2019 09:57:44	0.0	0.1	0.1	0.1
252	4/10/2019 09:58:14	0.1	0.1	0.1	0.1
253	4/10/2019 09:58:44	0.1	0.1	0.1	0.1
254	4/10/2019 09:59:14	0.1	0.1	0.1	0.1
255	4/10/2019 09:59:44	0.1	0.1	0.1	0.1
256	4/10/2019 10:00:14	0.1	0.1	0.1	0.1
257	4/10/2019 10:00:44	0.0	0.1	0.1	0.1
258	4/10/2019 10:01:14	0.0	0.0	0.1	0.0
259	4/10/2019 10:01:44	0.0	0.0	0.1	0.0
260	4/10/2019 10:02:14	0.0	0.1	0.1	0.1
261	4/10/2019 10:02:44	0.1	0.1	0.1	0.1
262	4/10/2019 10:03:14	0.1	0.1	0.1	0.1
263	4/10/2019 10:03:44	0.0	0.1	0.1	0.1
264	4/10/2019 10:04:14	0.0	0.1	0.1	0.1
265	4/10/2019 10:04:44	0.1	0.1	0.1	0.1
266	4/10/2019 10:05:14	0.1	0.1	0.1	0.1
267	4/10/2019 10:05:44	0.1	0.1	0.1	0.1
268	4/10/2019 10:06:14	0.1	0.1	0.1	0.1

269	4/10/2019	10:06:44	0.1	0.1	0.1	0.1
270	4/10/2019	10:07:14	0.1	0.1	0.1	0.1
271	4/10/2019	10:07:44	0.1	0.1	0.1	0.1
272	4/10/2019	10:08:14	0.1	0.1	0.1	0.1
273	4/10/2019	10:08:44	0.0	0.1	0.1	0.1
274	4/10/2019	10:09:14	0.0	0.0	0.1	0.0
275	4/10/2019	10:09:44	0.0	0.0	0.0	0.0
276	4/10/2019	10:10:14	0.0	0.0	0.0	0.0
277	4/10/2019	10:10:44	0.0	0.0	0.0	0.0
278	4/10/2019	10:11:14	0.0	0.0	0.0	0.0
279	4/10/2019	10:11:44	0.0	0.0	0.0	0.0
280	4/10/2019	10:12:14	0.0	0.0	0.0	0.0
281	4/10/2019	10:12:44	0.0	0.0	0.1	0.0
282	4/10/2019	10:13:14	0.0	0.0	0.0	0.0
283	4/10/2019	10:13:44	0.0	0.0	0.0	0.0
284	4/10/2019	10:14:14	0.0	0.0	0.0	0.0
285	4/10/2019	10:14:44	0.0	0.1	0.1	0.1
286	4/10/2019	10:15:14	0.1	0.1	0.2	0.1
287	4/10/2019	10:15:44	0.1	0.1	0.1	0.1
288	4/10/2019	10:16:14	0.0	0.1	0.1	0.0
289	4/10/2019	10:16:44	0.0	0.0	0.0	0.0
290	4/10/2019	10:17:14	0.0	0.0	0.0	0.0
291	4/10/2019	10:17:44	0.0	0.0	0.0	0.0
292	4/10/2019	10:18:14	0.0	0.0	0.0	0.0
293	4/10/2019	10:18:44	0.0	0.1	0.1	0.1
294	4/10/2019	10:19:14	0.1	0.1	0.1	0.1
295	4/10/2019	10:19:44	0.0	0.0	0.0	0.0
296	4/10/2019	10:20:14	0.0	0.0	0.0	0.0
297	4/10/2019	10:20:44	0.0	0.0	0.0	0.0
298	4/10/2019	10:21:14	0.0	0.0	0.0	0.0
299	4/10/2019	10:21:44	0.0	0.0	0.1	0.0
300	4/10/2019	10:22:14	0.0	0.0	0.1	0.1
301	4/10/2019	10:22:44	0.0	0.1	0.1	0.1
302	4/10/2019	10:23:14	0.0	0.1	0.1	0.1
303	4/10/2019	10:23:44	0.1	0.1	0.1	0.1
304	4/10/2019	10:24:14	0.1	0.1	0.1	0.1
305	4/10/2019	10:24:44	0.1	0.1	0.1	0.1
306	4/10/2019	10:25:14	0.1	0.1	0.1	0.1
307	4/10/2019	10:25:44	0.1	0.1	0.1	0.1
308	4/10/2019	10:26:14	0.1	0.1	0.1	0.1
309	4/10/2019	10:26:44	0.1	0.1	0.1	0.1
310	4/10/2019	10:27:14	0.1	0.1	0.1	0.1
311	4/10/2019	10:27:44	0.1	0.1	0.1	0.1
312	4/10/2019	10:28:14	0.1	0.1	0.1	0.1
313	4/10/2019	10:28:44	0.1	0.1	0.1	0.1
314	4/10/2019	10:29:14	0.1	0.1	0.1	0.1
315	4/10/2019	10:29:44	0.1	0.1	0.1	0.1
316	4/10/2019	10:30:14	0.1	0.1	0.1	0.1
317	4/10/2019	10:30:44	0.1	0.1	0.1	0.1
318	4/10/2019	10:31:14	0.1	0.1	0.1	0.1
319	4/10/2019	10:31:44	0.1	0.1	0.1	0.1
320	4/10/2019	10:32:14	0.1	0.1	0.1	0.1
321	4/10/2019	10:32:44	0.1	0.1	0.1	0.1
322	4/10/2019	10:33:14	0.1	0.1	0.1	0.1
323	4/10/2019	10:33:44	0.1	0.1	0.1	0.1
324	4/10/2019	10:34:14	0.1	0.1	0.1	0.1
325	4/10/2019	10:34:44	0.1	0.1	0.1	0.1

326	4/10/2019	10:35:14	0.1	0.1	0.1	0.1
327	4/10/2019	10:35:44	0.1	0.1	0.1	0.1
328	4/10/2019	10:36:14	0.1	0.1	0.1	0.1
329	4/10/2019	10:36:44	0.1	0.1	0.1	0.1
330	4/10/2019	10:37:14	0.1	0.1	0.1	0.1
331	4/10/2019	10:37:44	0.1	0.1	0.1	0.1
332	4/10/2019	10:38:14	0.1	0.1	0.1	0.1
333	4/10/2019	10:38:44	0.1	0.1	0.1	0.1
334	4/10/2019	10:39:14	0.1	0.1	0.1	0.1
335	4/10/2019	10:39:44	0.1	0.1	0.1	0.1
336	4/10/2019	10:40:14	0.1	0.1	0.1	0.1
337	4/10/2019	10:40:44	0.1	0.1	0.1	0.1
338	4/10/2019	10:41:14	0.1	0.1	0.1	0.1
339	4/10/2019	10:41:44	0.1	0.1	0.1	0.1
340	4/10/2019	10:42:14	0.1	0.1	0.1	0.1
341	4/10/2019	10:42:44	0.1	0.1	0.1	0.1
342	4/10/2019	10:43:14	0.1	0.1	0.1	0.1
343	4/10/2019	10:43:44	0.1	0.1	0.1	0.1
344	4/10/2019	10:44:14	0.1	0.1	0.1	0.1
345	4/10/2019	10:44:44	0.1	0.1	0.1	0.1
346	4/10/2019	10:45:14	0.0	0.1	0.1	0.0
347	4/10/2019	10:45:44	0.0	0.1	0.1	0.1
348	4/10/2019	10:46:14	0.1	0.1	0.1	0.1
349	4/10/2019	10:46:44	0.0	0.1	0.1	0.0
350	4/10/2019	10:47:14	0.0	0.0	0.0	0.0
351	4/10/2019	10:47:44	0.0	0.0	0.0	0.0
352	4/10/2019	10:48:14	0.0	0.0	0.0	0.0
353	4/10/2019	10:48:44	0.0	0.0	0.0	0.0
354	4/10/2019	10:49:14	0.0	0.0	0.0	0.0
355	4/10/2019	10:49:44	0.0	0.0	0.0	0.0
356	4/10/2019	10:50:14	0.0	0.0	0.1	0.0
357	4/10/2019	10:50:44	0.0	0.0	0.1	0.1
358	4/10/2019	10:51:14	0.0	0.0	0.1	0.0
359	4/10/2019	10:51:44	0.0	0.0	0.0	0.0
360	4/10/2019	10:52:14	0.0	0.0	0.0	0.0
361	4/10/2019	10:52:44	0.0	0.0	0.1	0.1
362	4/10/2019	10:53:14	0.0	0.1	0.1	0.1
363	4/10/2019	10:53:44	0.1	0.1	0.1	0.1
364	4/10/2019	10:54:14	0.1	0.1	0.1	0.1
365	4/10/2019	10:54:44	0.1	0.1	0.1	0.1
366	4/10/2019	10:55:14	0.0	0.1	0.1	0.1
367	4/10/2019	10:55:44	0.1	0.1	0.1	0.1
368	4/10/2019	10:56:14	0.1	0.1	0.1	0.1
369	4/10/2019	10:56:44	0.1	0.1	0.1	0.1
370	4/10/2019	10:57:14	0.1	0.1	0.1	0.1
371	4/10/2019	10:57:44	0.0	0.1	0.1	0.1
372	4/10/2019	10:58:14	0.0	0.1	0.1	0.0
373	4/10/2019	10:58:44	0.0	0.1	0.1	0.1
374	4/10/2019	10:59:14	0.0	0.1	0.1	0.1
375	4/10/2019	10:59:44	0.1	0.1	0.1	0.1
376	4/10/2019	11:00:14	0.1	0.1	0.1	0.1
377	4/10/2019	11:00:44	0.1	0.1	0.1	0.1
378	4/10/2019	11:01:14	0.1	0.1	0.1	0.1
379	4/10/2019	11:01:44	0.1	0.1	0.1	0.1
380	4/10/2019	11:02:14	0.1	0.1	0.1	0.1
381	4/10/2019	11:02:44	0.1	0.1	0.1	0.1
382	4/10/2019	11:03:14	0.1	0.1	0.1	0.1

383	4/10/2019	11:03:44	0.1	0.1	0.1	0.1
384	4/10/2019	11:04:14	0.1	0.1	0.1	0.1
385	4/10/2019	11:04:44	0.1	0.1	0.1	0.1
386	4/10/2019	11:05:14	0.1	0.1	0.1	0.1
387	4/10/2019	11:05:44	0.1	0.1	0.1	0.1
388	4/10/2019	11:06:14	0.1	0.1	0.1	0.1
389	4/10/2019	11:06:44	0.1	0.1	0.1	0.1
390	4/10/2019	11:07:14	0.1	0.1	0.1	0.1
391	4/10/2019	11:07:44	0.1	0.1	0.1	0.1
392	4/10/2019	11:08:14	0.1	0.1	0.1	0.1
393	4/10/2019	11:08:44	0.1	0.1	0.1	0.1
394	4/10/2019	11:09:14	0.1	0.1	0.1	0.1
395	4/10/2019	11:09:44	0.1	0.1	0.1	0.1
396	4/10/2019	11:10:14	0.1	0.1	0.1	0.1
397	4/10/2019	11:10:44	0.1	0.1	0.1	0.1
398	4/10/2019	11:11:14	0.1	0.1	0.1	0.1
399	4/10/2019	11:11:44	0.1	0.1	0.1	0.1
400	4/10/2019	11:12:14	0.1	0.1	0.1	0.1
401	4/10/2019	11:12:44	0.1	0.1	0.1	0.1
402	4/10/2019	11:13:14	0.1	0.1	0.1	0.1
403	4/10/2019	11:13:44	0.1	0.1	0.1	0.1
404	4/10/2019	11:14:14	0.1	0.1	0.1	0.1
405	4/10/2019	11:14:44	0.1	0.1	0.1	0.1
406	4/10/2019	11:15:14	0.1	0.1	0.1	0.1
407	4/10/2019	11:15:44	0.1	0.1	0.1	0.1
408	4/10/2019	11:16:14	0.1	0.1	0.1	0.1
409	4/10/2019	11:16:44	0.1	0.1	0.1	0.1
410	4/10/2019	11:17:14	0.1	0.1	0.1	0.1
411	4/10/2019	11:17:44	0.1	0.1	0.1	0.1
412	4/10/2019	11:18:14	0.1	0.1	0.1	0.1
413	4/10/2019	11:18:44	0.1	0.1	0.1	0.1
414	4/10/2019	11:19:14	0.1	0.1	0.1	0.1
415	4/10/2019	11:19:44	0.1	0.1	0.1	0.1
416	4/10/2019	11:20:14	0.1	0.1	0.1	0.1
417	4/10/2019	11:20:44	0.1	0.1	0.1	0.1
418	4/10/2019	11:21:14	0.1	0.1	0.1	0.1
419	4/10/2019	11:21:44	0.1	0.1	0.1	0.1
420	4/10/2019	11:22:14	0.1	0.1	0.1	0.1
421	4/10/2019	11:22:44	0.1	0.1	0.1	0.1
422	4/10/2019	11:23:14	0.1	0.1	0.1	0.1
423	4/10/2019	11:23:44	0.1	0.1	0.1	0.1
424	4/10/2019	11:24:14	0.1	0.1	0.1	0.1
425	4/10/2019	11:24:44	0.1	0.1	0.1	0.1
426	4/10/2019	11:25:14	0.1	0.1	0.1	0.1
427	4/10/2019	11:25:44	0.1	0.1	0.1	0.1
428	4/10/2019	11:26:14	0.1	0.1	0.1	0.1
429	4/10/2019	11:26:44	0.1	0.1	0.1	0.1
430	4/10/2019	11:27:14	0.1	0.1	0.1	0.1
431	4/10/2019	11:27:44	0.1	0.1	0.1	0.1
432	4/10/2019	11:28:14	0.1	0.1	0.1	0.1
433	4/10/2019	11:28:44	0.1	0.1	0.1	0.1
434	4/10/2019	11:29:14	0.1	0.1	0.1	0.1
435	4/10/2019	11:29:44	0.1	0.1	0.1	0.1
436	4/10/2019	11:30:14	0.1	0.1	0.1	0.1
437	4/10/2019	11:30:44	0.1	0.1	0.1	0.1
438	4/10/2019	11:31:14	0.1	0.1	0.1	0.1
439	4/10/2019	11:31:44	0.1	0.1	0.1	0.1

440	4/10/2019	11:32:14	0.1	0.1	0.1	0.1
441	4/10/2019	11:32:44	0.1	0.1	0.1	0.1
442	4/10/2019	11:33:14	0.1	0.1	0.1	0.1
443	4/10/2019	11:33:44	0.1	0.1	0.1	0.1
444	4/10/2019	11:34:14	0.1	0.1	0.1	0.1
445	4/10/2019	11:34:44	0.1	0.1	0.1	0.1
446	4/10/2019	11:35:14	0.1	0.1	0.1	0.1
447	4/10/2019	11:35:44	0.1	0.1	0.1	0.1
448	4/10/2019	11:36:14	0.1	0.1	0.1	0.1
449	4/10/2019	11:36:44	0.1	0.1	0.1	0.1
450	4/10/2019	11:37:14	0.1	0.1	0.1	0.1
451	4/10/2019	11:37:44	0.1	0.1	0.1	0.1
452	4/10/2019	11:38:14	0.1	0.1	0.1	0.1
453	4/10/2019	11:38:44	0.1	0.1	0.1	0.1
454	4/10/2019	11:39:14	0.1	0.1	0.1	0.1
455	4/10/2019	11:39:44	0.1	0.1	0.1	0.1
456	4/10/2019	11:40:14	0.1	0.1	0.1	0.1
457	4/10/2019	11:40:44	0.1	0.1	0.1	0.1
458	4/10/2019	11:41:14	0.1	0.1	0.1	0.1
459	4/10/2019	11:41:44	0.1	0.1	0.1	0.1
460	4/10/2019	11:42:14	0.1	0.1	0.1	0.1
461	4/10/2019	11:42:44	0.1	0.1	0.1	0.1
462	4/10/2019	11:43:14	0.1	0.1	0.1	0.1
463	4/10/2019	11:43:44	0.1	0.1	0.1	0.1
464	4/10/2019	11:44:14	0.1	0.1	0.1	0.1
465	4/10/2019	11:44:44	0.1	0.1	0.1	0.1
466	4/10/2019	11:45:14	0.1	0.1	0.1	0.1
467	4/10/2019	11:45:44	0.1	0.1	0.1	0.1
468	4/10/2019	11:46:14	0.1	0.1	0.1	0.1
469	4/10/2019	11:46:44	0.1	0.1	0.1	0.1
470	4/10/2019	11:47:14	0.1	0.1	0.1	0.1
471	4/10/2019	11:47:44	0.1	0.1	0.1	0.1
472	4/10/2019	11:48:14	0.1	0.1	0.1	0.1
473	4/10/2019	11:48:44	0.1	0.1	0.1	0.1
474	4/10/2019	11:49:14	0.1	0.1	0.1	0.1
475	4/10/2019	11:49:44	0.1	0.1	0.1	0.1
476	4/10/2019	11:50:14	0.1	0.1	0.1	0.1
477	4/10/2019	11:50:44	0.1	0.1	0.1	0.1
478	4/10/2019	11:51:14	0.1	0.1	0.1	0.1
479	4/10/2019	11:51:44	0.1	0.1	0.1	0.1
480	4/10/2019	11:52:14	0.1	0.1	0.1	0.1
481	4/10/2019	11:52:44	0.1	0.1	0.1	0.1
482	4/10/2019	11:53:14	0.1	0.1	0.1	0.1
483	4/10/2019	11:53:44	0.1	0.1	0.1	0.1
484	4/10/2019	11:54:14	0.1	0.1	0.1	0.1
485	4/10/2019	11:54:44	0.1	0.1	0.1	0.1
486	4/10/2019	11:55:14	0.1	0.1	0.1	0.1
487	4/10/2019	11:55:44	0.1	0.1	0.1	0.1
488	4/10/2019	11:56:14	0.1	0.1	0.1	0.1
489	4/10/2019	11:56:44	0.1	0.1	0.1	0.1
490	4/10/2019	11:57:14	0.1	0.1	0.1	0.1
491	4/10/2019	11:57:44	0.1	0.1	0.1	0.1
492	4/10/2019	11:58:14	0.1	0.1	0.1	0.1
493	4/10/2019	11:58:44	0.1	0.1	0.1	0.1
494	4/10/2019	11:59:14	0.1	0.1	0.1	0.1
495	4/10/2019	11:59:44	0.1	0.1	0.1	0.1
496	4/10/2019	12:00:14	0.1	0.1	0.1	0.1

497	4/10/2019 12:00:44	0.1	0.1	0.1	0.1
498	4/10/2019 12:01:14	0.1	0.1	0.1	0.1
499	4/10/2019 12:01:44	0.1	0.1	0.1	0.1
500	4/10/2019 12:02:14	0.1	0.1	0.1	0.1
501	4/10/2019 12:02:44	0.1	0.1	0.1	0.1
502	4/10/2019 12:03:14	0.1	0.1	0.1	0.1
503	4/10/2019 12:03:44	0.1	0.1	0.1	0.1
504	4/10/2019 12:04:14	0.1	0.1	0.1	0.1
505	4/10/2019 12:04:44	0.1	0.1	0.1	0.1
506	4/10/2019 12:05:14	0.1	0.1	0.1	0.1
507	4/10/2019 12:05:44	0.1	0.1	0.1	0.1
508	4/10/2019 12:06:14	0.1	0.1	0.1	0.1
509	4/10/2019 12:06:44	0.1	0.1	0.1	0.1
510	4/10/2019 12:07:14	0.1	0.1	0.1	0.1
511	4/10/2019 12:07:44	0.1	0.1	0.1	0.1
512	4/10/2019 12:08:14	0.1	0.1	0.1	0.1
513	4/10/2019 12:08:44	0.1	0.1	0.1	0.1
514	4/10/2019 12:09:14	0.1	0.1	0.1	0.1
515	4/10/2019 12:09:44	0.1	0.1	0.1	0.1
516	4/10/2019 12:10:14	0.1	0.1	0.1	0.1
517	4/10/2019 12:10:44	0.1	0.1	0.1	0.1
518	4/10/2019 12:11:14	0.1	0.1	0.1	0.1
519	4/10/2019 12:11:44	0.1	0.1	0.1	0.1
520	4/10/2019 12:12:14	0.1	0.1	0.1	0.1
521	4/10/2019 12:12:44	0.1	0.1	0.1	0.1
522	4/10/2019 12:13:14	0.1	0.1	0.1	0.1
523	4/10/2019 12:13:44	0.1	0.1	0.1	0.1
524	4/10/2019 12:14:14	0.1	0.1	0.1	0.1
525	4/10/2019 12:14:44	0.1	0.1	0.1	0.1
526	4/10/2019 12:15:14	0.1	0.1	0.1	0.1
527	4/10/2019 12:15:44	0.1	0.1	0.1	0.1
528	4/10/2019 12:16:14	0.1	0.1	0.1	0.1
529	4/10/2019 12:16:44	0.1	0.1	0.1	0.1
530	4/10/2019 12:17:14	0.1	0.1	0.1	0.1
531	4/10/2019 12:17:44	0.1	0.1	0.1	0.1
532	4/10/2019 12:18:14	0.1	0.1	0.1	0.1
533	4/10/2019 12:18:44	0.1	0.1	0.1	0.1
534	4/10/2019 12:19:14	0.1	0.1	0.1	0.1
535	4/10/2019 12:19:44	0.1	0.1	0.1	0.1
536	4/10/2019 12:20:14	0.1	0.1	0.1	0.1
537	4/10/2019 12:20:44	0.1	0.1	0.1	0.1
538	4/10/2019 12:21:14	0.1	0.1	0.1	0.1
539	4/10/2019 12:21:44	0.1	0.1	0.1	0.1
540	4/10/2019 12:22:14	0.1	0.1	0.1	0.1
541	4/10/2019 12:22:44	0.1	0.1	0.1	0.1
542	4/10/2019 12:23:14	0.1	0.1	0.1	0.1
543	4/10/2019 12:23:44	0.1	0.1	0.1	0.1
544	4/10/2019 12:24:14	0.1	0.1	0.1	0.1
545	4/10/2019 12:24:44	0.1	0.1	0.1	0.1
546	4/10/2019 12:25:14	0.1	0.1	0.1	0.1
547	4/10/2019 12:25:44	0.1	0.1	0.1	0.1
548	4/10/2019 12:26:14	0.1	0.1	0.1	0.1
549	4/10/2019 12:26:44	0.1	0.1	0.1	0.1
550	4/10/2019 12:27:14	0.1	0.1	0.1	0.1
551	4/10/2019 12:27:44	0.1	0.1	0.1	0.1
552	4/10/2019 12:28:14	0.1	0.1	0.1	0.1
553	4/10/2019 12:28:44	0.1	0.1	0.1	0.1

554	4/10/2019	12:29:14	0.1	0.1	0.1	0.1
555	4/10/2019	12:29:44	0.1	0.1	0.1	0.1
556	4/10/2019	12:30:14	0.1	0.1	0.1	0.1
557	4/10/2019	12:30:44	0.1	0.1	0.1	0.1
558	4/10/2019	12:31:14	0.1	0.1	0.1	0.1
559	4/10/2019	12:31:44	0.1	0.1	0.1	0.1
560	4/10/2019	12:32:14	0.1	0.1	0.1	0.1
561	4/10/2019	12:32:44	0.1	0.1	0.1	0.1
562	4/10/2019	12:33:14	0.1	0.1	0.1	0.1
563	4/10/2019	12:33:44	0.1	0.1	0.1	0.1
564	4/10/2019	12:34:14	0.1	0.1	0.1	0.1
565	4/10/2019	12:34:44	0.1	0.1	0.1	0.1
566	4/10/2019	12:35:14	0.1	0.1	0.1	0.1
567	4/10/2019	12:35:44	0.1	0.1	0.1	0.1
568	4/10/2019	12:36:14	0.1	0.1	0.1	0.1
569	4/10/2019	12:36:44	0.1	0.1	0.1	0.1
570	4/10/2019	12:37:14	0.1	0.1	0.1	0.1
571	4/10/2019	12:37:44	0.1	0.1	0.1	0.1
572	4/10/2019	12:38:14	0.1	0.1	0.1	0.1
573	4/10/2019	12:38:44	0.1	0.1	0.1	0.1
574	4/10/2019	12:39:14	0.1	0.1	0.1	0.1
575	4/10/2019	12:39:44	0.1	0.1	0.1	0.1
576	4/10/2019	12:40:14	0.1	0.1	0.1	0.1
577	4/10/2019	12:40:44	0.1	0.1	0.1	0.1
578	4/10/2019	12:41:14	0.1	0.1	0.1	0.1
579	4/10/2019	12:41:44	0.1	0.1	0.1	0.1
580	4/10/2019	12:42:14	0.1	0.1	0.1	0.1
581	4/10/2019	12:42:44	0.1	0.1	0.1	0.1
582	4/10/2019	12:43:14	0.1	0.1	0.1	0.1
583	4/10/2019	12:43:44	0.1	0.1	0.1	0.1
584	4/10/2019	12:44:14	0.1	0.1	0.1	0.1
585	4/10/2019	12:44:44	0.1	0.1	0.1	0.1
586	4/10/2019	12:45:14	0.1	0.1	0.1	0.1
587	4/10/2019	12:45:44	0.1	0.1	0.1	0.1
588	4/10/2019	12:46:14	0.1	0.1	0.1	0.1
589	4/10/2019	12:46:44	0.1	0.1	0.1	0.1
590	4/10/2019	12:47:14	0.1	0.1	0.1	0.1
591	4/10/2019	12:47:44	0.1	0.1	0.1	0.1
592	4/10/2019	12:48:14	0.1	0.1	0.1	0.1
593	4/10/2019	12:48:44	0.1	0.1	0.1	0.1
594	4/10/2019	12:49:14	0.1	0.1	0.1	0.1
595	4/10/2019	12:49:44	0.1	0.1	0.1	0.1
596	4/10/2019	12:50:14	0.1	0.1	0.1	0.1
597	4/10/2019	12:50:44	0.1	0.1	0.1	0.1
598	4/10/2019	12:51:14	0.1	0.1	0.1	0.1
599	4/10/2019	12:51:44	0.1	0.1	0.1	0.1
600	4/10/2019	12:52:14	0.1	0.1	0.1	0.1
601	4/10/2019	12:52:44	0.1	0.1	0.1	0.1
602	4/10/2019	12:53:14	0.1	0.1	0.1	0.1
603	4/10/2019	12:53:44	0.1	0.1	0.1	0.1
604	4/10/2019	12:54:14	0.1	0.1	0.1	0.1
605	4/10/2019	12:54:44	0.1	0.1	0.1	0.1
606	4/10/2019	12:55:14	0.1	0.1	0.1	0.1
607	4/10/2019	12:55:44	0.1	0.1	0.1	0.1
608	4/10/2019	12:56:14	0.1	0.1	0.1	0.1
609	4/10/2019	12:56:44	0.1	0.1	0.1	0.1
610	4/10/2019	12:57:14	0.1	0.1	0.1	0.1

611	4/10/2019	12:57:44	0.1	0.1	0.1	0.1
612	4/10/2019	12:58:14	0.1	0.1	0.1	0.1
613	4/10/2019	12:58:44	0.1	0.1	0.1	0.1
614	4/10/2019	12:59:14	0.1	0.1	0.1	0.1
615	4/10/2019	12:59:44	0.1	0.1	0.1	0.1
616	4/10/2019	13:00:14	0.1	0.1	0.1	0.1
617	4/10/2019	13:00:44	0.1	0.1	0.1	0.1
618	4/10/2019	13:01:14	0.1	0.1	0.1	0.1
619	4/10/2019	13:01:44	0.1	0.1	0.1	0.1
620	4/10/2019	13:02:14	0.1	0.1	0.1	0.1
621	4/10/2019	13:02:44	0.1	0.1	0.1	0.1
622	4/10/2019	13:03:14	0.1	0.1	0.1	0.1
623	4/10/2019	13:03:44	0.1	0.1	0.1	0.1
624	4/10/2019	13:04:14	0.1	0.1	0.1	0.1
625	4/10/2019	13:04:44	0.1	0.1	0.1	0.1
626	4/10/2019	13:05:14	0.1	0.1	0.1	0.1
627	4/10/2019	13:05:44	0.1	0.1	0.1	0.1
628	4/10/2019	13:06:14	0.1	0.1	0.1	0.1
629	4/10/2019	13:06:44	0.1	0.1	0.1	0.1
630	4/10/2019	13:07:14	0.1	0.1	0.1	0.1
631	4/10/2019	13:07:44	0.1	0.1	0.1	0.1
632	4/10/2019	13:08:14	0.1	0.1	0.1	0.1
633	4/10/2019	13:08:44	0.1	0.1	0.1	0.1
634	4/10/2019	13:09:14	0.1	0.1	0.1	0.1
635	4/10/2019	13:09:44	0.1	0.1	0.1	0.1
636	4/10/2019	13:10:14	0.1	0.1	0.1	0.1
637	4/10/2019	13:10:44	0.1	0.1	0.1	0.1
638	4/10/2019	13:11:14	0.1	0.1	0.1	0.1
639	4/10/2019	13:11:44	0.1	0.1	0.1	0.1
640	4/10/2019	13:12:14	0.1	0.1	0.1	0.1
641	4/10/2019	13:12:44	0.1	0.1	0.1	0.1
642	4/10/2019	13:13:14	0.1	0.1	0.1	0.1
643	4/10/2019	13:13:44	0.1	0.1	0.1	0.1
644	4/10/2019	13:14:14	0.1	0.1	0.1	0.1
645	4/10/2019	13:14:44	0.1	0.1	0.1	0.1
646	4/10/2019	13:15:14	0.1	0.1	0.1	0.1
647	4/10/2019	13:15:44	0.1	0.1	0.1	0.1
648	4/10/2019	13:16:14	0.1	0.1	0.1	0.1
649	4/10/2019	13:16:44	0.1	0.1	0.1	0.1
650	4/10/2019	13:17:14	0.1	0.1	0.1	0.1
651	4/10/2019	13:17:44	0.1	0.1	0.1	0.1
652	4/10/2019	13:18:14	0.1	0.1	0.1	0.1
653	4/10/2019	13:18:44	0.1	0.1	0.1	0.1
654	4/10/2019	13:19:14	0.1	0.1	0.1	0.1
655	4/10/2019	13:19:44	0.1	0.1	0.1	0.1
656	4/10/2019	13:20:14	0.1	0.1	0.1	0.1
657	4/10/2019	13:20:44	0.1	0.1	0.1	0.1
658	4/10/2019	13:21:14	0.1	0.1	0.1	0.1
659	4/10/2019	13:21:44	0.1	0.1	0.1	0.1
660	4/10/2019	13:22:14	0.1	0.1	0.1	0.1
661	4/10/2019	13:22:44	0.1	0.1	0.1	0.1
662	4/10/2019	13:23:14	0.1	0.1	0.1	0.1
663	4/10/2019	13:23:44	0.1	0.1	0.1	0.1
664	4/10/2019	13:24:14	0.1	0.1	0.1	0.1
665	4/10/2019	13:24:44	0.1	0.1	0.1	0.1
666	4/10/2019	13:25:14	0.1	0.1	0.1	0.1
667	4/10/2019	13:25:44	0.1	0.1	0.1	0.1

668	4/10/2019 13:26:14	0.1	0.1	0.1	0.1
669	4/10/2019 13:26:44	0.1	0.1	0.1	0.1
670	4/10/2019 13:27:14	0.1	0.1	0.1	0.1
671	4/10/2019 13:27:44	0.1	0.1	0.1	0.1
672	4/10/2019 13:28:14	0.1	0.1	0.1	0.1
673	4/10/2019 13:28:44	0.1	0.1	0.1	0.1
674	4/10/2019 13:29:14	0.1	0.1	0.1	0.1
675	4/10/2019 13:29:44	0.1	0.1	0.1	0.1
676	4/10/2019 13:30:14	0.1	0.1	0.1	0.1
677	4/10/2019 13:30:44	0.1	0.1	0.1	0.1
678	4/10/2019 13:31:14	0.1	0.1	0.1	0.1
679	4/10/2019 13:31:44	0.1	0.1	0.1	0.1
680	4/10/2019 13:32:14	0.1	0.1	0.1	0.1
681	4/10/2019 13:32:44	0.1	0.1	0.1	0.1
682	4/10/2019 13:33:14	0.1	0.1	0.1	0.1
683	4/10/2019 13:33:44	0.1	0.1	0.1	0.1
684	4/10/2019 13:34:14	0.1	0.1	0.1	0.1
685	4/10/2019 13:34:44	0.1	0.1	0.1	0.1
686	4/10/2019 13:35:14	0.1	0.1	0.1	0.1
687	4/10/2019 13:35:44	0.1	0.1	0.1	0.1
688	4/10/2019 13:36:14	0.1	0.1	0.1	0.1
689	4/10/2019 13:36:44	0.1	0.1	0.1	0.1
690	4/10/2019 13:37:14	0.1	0.1	0.1	0.1
691	4/10/2019 13:37:44	0.1	0.1	0.1	0.1
692	4/10/2019 13:38:14	0.1	0.1	0.1	0.1
693	4/10/2019 13:38:44	0.1	0.1	0.1	0.1
694	4/10/2019 13:39:14	0.1	0.1	0.1	0.1
695	4/10/2019 13:39:44	0.1	0.1	0.1	0.1
696	4/10/2019 13:40:14	0.1	0.1	0.1	0.1
697	4/10/2019 13:40:44	0.1	0.1	0.1	0.1
698	4/10/2019 13:41:14	0.1	0.1	0.1	0.1
699	4/10/2019 13:41:44	0.1	0.1	0.1	0.1
700	4/10/2019 13:42:14	0.1	0.1	0.1	0.1
701	4/10/2019 13:42:44	0.1	0.1	0.1	0.1
702	4/10/2019 13:43:14	0.1	0.1	0.1	0.1
703	4/10/2019 13:43:44	0.1	0.1	0.1	0.1
704	4/10/2019 13:44:14	0.1	0.1	0.1	0.1
705	4/10/2019 13:44:44	0.1	0.1	0.1	0.1
706	4/10/2019 13:45:14	0.1	0.1	0.1	0.1
707	4/10/2019 13:45:44	0.1	0.1	0.1	0.1
708	4/10/2019 13:46:14	0.1	0.1	0.1	0.1
709	4/10/2019 13:46:44	0.1	0.1	0.1	0.1
710	4/10/2019 13:47:14	0.1	0.1	0.1	0.1
711	4/10/2019 13:47:44	0.1	0.1	0.1	0.1
712	4/10/2019 13:48:14	0.1	0.1	0.1	0.1
713	4/10/2019 13:48:44	0.1	0.1	0.1	0.1
714	4/10/2019 13:49:14	0.1	0.1	0.1	0.1
715	4/10/2019 13:49:44	0.1	0.1	0.1	0.1
716	4/10/2019 13:50:14	0.1	0.1	0.1	0.1
717	4/10/2019 13:50:44	0.1	0.1	0.1	0.1
718	4/10/2019 13:51:14	0.1	0.1	0.1	0.1
719	4/10/2019 13:51:44	0.1	0.1	0.1	0.1
720	4/10/2019 13:52:14	0.1	0.1	0.1	0.1
721	4/10/2019 13:52:44	0.1	0.1	0.1	0.1
722	4/10/2019 13:53:14	0.1	0.1	0.1	0.1
723	4/10/2019 13:53:44	0.1	0.1	0.1	0.1
724	4/10/2019 13:54:14	0.1	0.1	0.1	0.1

725	4/10/2019	13:54:44	0.1	0.1	0.1	0.1
726	4/10/2019	13:55:14	0.1	0.1	0.1	0.1
727	4/10/2019	13:55:44	0.1	0.1	0.1	0.1
728	4/10/2019	13:56:14	0.1	0.1	0.1	0.1
729	4/10/2019	13:56:44	0.1	0.1	0.1	0.1
730	4/10/2019	13:57:14	0.1	0.1	0.1	0.1
731	4/10/2019	13:57:44	0.1	0.1	0.1	0.1
732	4/10/2019	13:58:14	0.1	0.1	0.1	0.1
733	4/10/2019	13:58:44	0.1	0.1	0.1	0.1
734	4/10/2019	13:59:14	0.1	0.1	0.1	0.1
735	4/10/2019	13:59:44	0.1	0.1	0.1	0.1
736	4/10/2019	14:00:14	0.1	0.1	0.1	0.1
737	4/10/2019	14:00:44	0.1	0.1	0.1	0.1
738	4/10/2019	14:01:14	0.1	0.1	0.1	0.1
739	4/10/2019	14:01:44	0.1	0.1	0.1	0.1
740	4/10/2019	14:02:14	0.1	0.1	0.1	0.1
741	4/10/2019	14:02:44	0.1	0.1	0.1	0.1
742	4/10/2019	14:03:14	0.1	0.1	0.1	0.1
743	4/10/2019	14:03:44	0.1	0.1	0.1	0.1
744	4/10/2019	14:04:14	0.1	0.1	0.1	0.1
745	4/10/2019	14:04:44	0.1	0.1	0.1	0.1
746	4/10/2019	14:05:14	0.1	0.1	0.1	0.1
747	4/10/2019	14:05:44	0.1	0.1	0.1	0.1
748	4/10/2019	14:06:14	0.1	0.1	0.1	0.1
749	4/10/2019	14:06:44	0.1	0.1	0.1	0.1
750	4/10/2019	14:07:14	0.1	0.1	0.1	0.1
751	4/10/2019	14:07:44	0.1	0.1	0.1	0.1
752	4/10/2019	14:08:14	0.1	0.1	0.1	0.1
753	4/10/2019	14:08:44	0.1	0.1	0.1	0.1
754	4/10/2019	14:09:14	0.1	0.1	0.1	0.1
755	4/10/2019	14:09:44	0.1	0.1	0.1	0.1
756	4/10/2019	14:10:14	0.1	0.1	0.1	0.1
757	4/10/2019	14:10:44	0.1	0.1	0.1	0.1
758	4/10/2019	14:11:14	0.1	0.1	0.1	0.1
759	4/10/2019	14:11:44	0.1	0.1	0.1	0.1
760	4/10/2019	14:12:14	0.1	0.1	0.1	0.1
761	4/10/2019	14:12:44	0.1	0.1	0.1	0.1
762	4/10/2019	14:13:14	0.1	0.1	0.1	0.1
763	4/10/2019	14:13:44	0.1	0.1	0.1	0.1
764	4/10/2019	14:14:14	0.1	0.1	0.1	0.1
765	4/10/2019	14:14:44	0.1	0.1	0.1	0.1
766	4/10/2019	14:15:14	0.1	0.1	0.1	0.1
767	4/10/2019	14:15:44	0.1	0.1	0.1	0.1
768	4/10/2019	14:16:14	0.1	0.1	0.1	0.1
769	4/10/2019	14:16:44	0.1	0.1	0.1	0.1
770	4/10/2019	14:17:14	0.1	0.1	0.1	0.1
771	4/10/2019	14:17:44	0.1	0.1	0.1	0.1
772	4/10/2019	14:18:14	0.1	0.1	0.1	0.1
773	4/10/2019	14:18:44	0.1	0.1	0.1	0.1
774	4/10/2019	14:19:14	0.1	0.1	0.2	0.1
775	4/10/2019	14:19:44	0.1	0.1	0.1	0.1
776	4/10/2019	14:20:14	0.1	0.1	0.1	0.1
777	4/10/2019	14:20:44	0.1	0.1	0.1	0.1
778	4/10/2019	14:21:14	0.1	0.1	0.1	0.1
779	4/10/2019	14:21:44	0.1	0.1	0.1	0.1
780	4/10/2019	14:22:14	0.1	0.1	0.1	0.1
781	4/10/2019	14:22:44	0.1	0.1	0.1	0.1

782	4/10/2019 14:23:14	0.1	0.1	0.1	0.1
783	4/10/2019 14:23:44	0.1	0.1	0.1	0.1
784	4/10/2019 14:24:14	0.1	0.1	0.1	0.1
785	4/10/2019 14:24:44	0.1	0.1	0.1	0.1
786	4/10/2019 14:25:14	0.1	0.1	0.1	0.1
787	4/10/2019 14:25:44	0.1	0.1	0.1	0.1
788	4/10/2019 14:26:14	0.1	0.1	0.1	0.1
789	4/10/2019 14:26:44	0.1	0.1	0.1	0.1
790	4/10/2019 14:27:14	0.1	0.1	0.1	0.1
791	4/10/2019 14:27:44	0.1	0.1	0.1	0.1
792	4/10/2019 14:28:14	0.1	0.1	0.1	0.1
793	4/10/2019 14:28:44	0.1	0.1	0.1	0.1
794	4/10/2019 14:29:14	0.1	0.1	0.1	0.1
795	4/10/2019 14:29:44	0.1	0.1	0.1	0.1
796	4/10/2019 14:30:14	0.1	0.1	0.1	0.1
797	4/10/2019 14:30:44	0.1	0.1	0.1	0.1
798	4/10/2019 14:31:14	0.1	0.1	0.1	0.1
799	4/10/2019 14:31:44	0.1	0.1	0.1	0.1
800	4/10/2019 14:32:14	0.1	0.1	0.1	0.1
801	4/10/2019 14:32:44	0.1	0.1	0.1	0.1
802	4/10/2019 14:33:14	0.1	0.1	0.1	0.1
803	4/10/2019 14:33:44	0.1	0.1	0.1	0.1
804	4/10/2019 14:34:14	0.1	0.1	0.1	0.1
805	4/10/2019 14:34:44	0.1	0.1	0.1	0.1
806	4/10/2019 14:35:14	0.1	0.1	0.1	0.1
807	4/10/2019 14:35:44	0.1	0.1	0.1	0.1
808	4/10/2019 14:36:14	0.1	0.1	0.1	0.1
809	4/10/2019 14:36:44	0.1	0.1	0.1	0.1
810	4/10/2019 14:37:14	0.1	0.1	0.1	0.1
811	4/10/2019 14:37:44	0.1	0.1	0.1	0.1
812	4/10/2019 14:38:14	0.1	0.1	0.1	0.1
813	4/10/2019 14:38:44	0.1	0.1	0.1	0.1
814	4/10/2019 14:39:14	0.1	0.1	0.1	0.1
815	4/10/2019 14:39:44	0.1	0.1	0.1	0.1
816	4/10/2019 14:40:14	0.1	0.1	0.1	0.1
817	4/10/2019 14:40:44	0.1	0.1	0.1	0.1
818	4/10/2019 14:41:14	0.1	0.1	0.1	0.1
819	4/10/2019 14:41:44	0.1	0.1	0.1	0.1
820	4/10/2019 14:42:14	0.1	0.1	0.1	0.1
821	4/10/2019 14:42:44	0.1	0.1	0.1	0.1
822	4/10/2019 14:43:14	0.1	0.1	0.1	0.1
823	4/10/2019 14:43:44	0.1	0.1	0.1	0.1
824	4/10/2019 14:44:14	0.1	0.1	0.1	0.1
825	4/10/2019 14:44:44	0.1	0.1	0.1	0.1
826	4/10/2019 14:45:14	0.1	0.1	0.1	0.1
827	4/10/2019 14:45:44	0.1	0.1	0.1	0.1
828	4/10/2019 14:46:14	0.1	0.1	0.1	0.1
829	4/10/2019 14:46:44	0.1	0.1	0.1	0.1
830	4/10/2019 14:47:14	0.1	0.1	0.1	0.1
831	4/10/2019 14:47:44	0.1	0.1	0.1	0.1
832	4/10/2019 14:48:14	0.1	0.1	0.1	0.1
833	4/10/2019 14:48:44	0.1	0.1	0.1	0.1
834	4/10/2019 14:49:14	0.1	0.1	0.1	0.1
835	4/10/2019 14:49:44	0.1	0.1	0.1	0.1
836	4/10/2019 14:50:14	0.1	0.1	0.1	0.1
837	4/10/2019 14:50:44	0.1	0.1	0.1	0.1
838	4/10/2019 14:51:14	0.1	0.1	0.1	0.1

839	4/10/2019	14:51:44	0.1	0.1	0.1	0.1
840	4/10/2019	14:52:14	0.1	0.1	0.1	0.1
841	4/10/2019	14:52:44	0.1	0.1	0.1	0.1
842	4/10/2019	14:53:14	0.1	0.1	0.1	0.1
843	4/10/2019	14:53:44	0.1	0.1	0.1	0.1
844	4/10/2019	14:54:14	0.1	0.1	0.1	0.1
845	4/10/2019	14:54:44	0.1	0.1	0.1	0.1
846	4/10/2019	14:55:14	0.1	0.1	0.1	0.1
847	4/10/2019	14:55:44	0.1	0.1	0.1	0.1
848	4/10/2019	14:56:14	0.1	0.1	0.1	0.1
849	4/10/2019	14:56:44	0.1	0.1	0.1	0.1
850	4/10/2019	14:57:14	0.1	0.1	0.1	0.1
851	4/10/2019	14:57:44	0.1	0.1	0.1	0.1
852	4/10/2019	14:58:14	0.1	0.1	0.1	0.1
853	4/10/2019	14:58:44	0.1	0.1	0.1	0.1
854	4/10/2019	14:59:14	0.1	0.1	0.1	0.1
855	4/10/2019	14:59:44	0.1	0.1	0.1	0.1
856	4/10/2019	15:00:14	0.1	0.1	0.1	0.1
857	4/10/2019	15:00:44	0.1	0.1	0.1	0.1
858	4/10/2019	15:01:14	0.1	0.1	0.1	0.1
859	4/10/2019	15:01:44	0.1	0.1	0.2	0.1
860	4/10/2019	15:02:14	0.1	0.1	0.1	0.1
861	4/10/2019	15:02:44	0.1	0.1	0.1	0.1
862	4/10/2019	15:03:14	0.1	0.1	0.1	0.1
863	4/10/2019	15:03:44	0.1	0.1	0.1	0.1
864	4/10/2019	15:04:14	0.1	0.1	0.1	0.1
865	4/10/2019	15:04:44	0.1	0.1	0.1	0.1
866	4/10/2019	15:05:14	0.1	0.1	0.1	0.1
867	4/10/2019	15:05:44	0.1	0.1	0.1	0.1
868	4/10/2019	15:06:14	0.1	0.1	0.1	0.1
869	4/10/2019	15:06:44	0.1	0.1	0.1	0.1
870	4/10/2019	15:07:14	0.1	0.1	0.1	0.1
871	4/10/2019	15:07:44	0.1	0.1	0.1	0.1
Peak			0.1	0.1	0.2	0.1
Min			0.0	0.0	0.0	0.0
Average				0.1	0.1	0.1

****

TWA/STEL

Index		PID(ppm) Date/Time	PID(ppm) (TWA)	(STEL)
001	4/10/2019	07:52:44	0.0	---
002	4/10/2019	07:53:14	0.0	---
003	4/10/2019	07:53:44	0.0	---
004	4/10/2019	07:54:14	0.0	---
005	4/10/2019	07:54:44	0.0	---
006	4/10/2019	07:55:14	0.0	---
007	4/10/2019	07:55:44	0.0	---
008	4/10/2019	07:56:14	0.0	---
009	4/10/2019	07:56:44	0.0	---
010	4/10/2019	07:57:14	0.0	---
011	4/10/2019	07:57:44	0.0	---
012	4/10/2019	07:58:14	0.0	---
013	4/10/2019	07:58:44	0.0	---
014	4/10/2019	07:59:14	0.0	---
015	4/10/2019	07:59:44	0.0	---
016	4/10/2019	08:00:14	0.0	---

017	4/10/2019 08:00:44	0.0	---
018	4/10/2019 08:01:14	0.0	---
019	4/10/2019 08:01:44	0.0	---
020	4/10/2019 08:02:14	0.0	---
021	4/10/2019 08:02:44	0.0	---
022	4/10/2019 08:03:14	0.0	---
023	4/10/2019 08:03:44	0.0	---
024	4/10/2019 08:04:14	0.0	---
025	4/10/2019 08:04:44	0.0	---
026	4/10/2019 08:05:14	0.0	---
027	4/10/2019 08:05:44	0.0	---
028	4/10/2019 08:06:14	0.0	---
029	4/10/2019 08:06:44	0.0	---
030	4/10/2019 08:07:14	0.0	0.0
031	4/10/2019 08:07:44	0.0	0.0
032	4/10/2019 08:08:14	0.0	0.0
033	4/10/2019 08:08:44	0.0	0.0
034	4/10/2019 08:09:14	0.0	0.0
035	4/10/2019 08:09:44	0.0	0.0
036	4/10/2019 08:10:14	0.0	0.0
037	4/10/2019 08:10:44	0.0	0.0
038	4/10/2019 08:11:14	0.0	0.0
039	4/10/2019 08:11:44	0.0	0.0
040	4/10/2019 08:12:14	0.0	0.0
041	4/10/2019 08:12:44	0.0	0.0
042	4/10/2019 08:13:14	0.0	0.0
043	4/10/2019 08:13:44	0.0	0.0
044	4/10/2019 08:14:14	0.0	0.0
045	4/10/2019 08:14:44	0.0	0.0
046	4/10/2019 08:15:14	0.0	0.0
047	4/10/2019 08:15:44	0.0	0.0
048	4/10/2019 08:16:14	0.0	0.0
049	4/10/2019 08:16:44	0.0	0.0
050	4/10/2019 08:17:14	0.0	0.0
051	4/10/2019 08:17:44	0.0	0.0
052	4/10/2019 08:18:14	0.0	0.0
053	4/10/2019 08:18:44	0.0	0.0
054	4/10/2019 08:19:14	0.0	0.0
055	4/10/2019 08:19:44	0.0	0.0
056	4/10/2019 08:20:14	0.0	0.0
057	4/10/2019 08:20:44	0.0	0.0
058	4/10/2019 08:21:14	0.0	0.0
059	4/10/2019 08:21:44	0.0	0.0
060	4/10/2019 08:22:14	0.0	0.0
061	4/10/2019 08:22:44	0.0	0.0
062	4/10/2019 08:23:14	0.0	0.0
063	4/10/2019 08:23:44	0.0	0.0
064	4/10/2019 08:24:14	0.0	0.0
065	4/10/2019 08:24:44	0.0	0.0
066	4/10/2019 08:25:14	0.0	0.0
067	4/10/2019 08:25:44	0.0	0.0
068	4/10/2019 08:26:14	0.0	0.0
069	4/10/2019 08:26:44	0.0	0.0
070	4/10/2019 08:27:14	0.0	0.0
071	4/10/2019 08:27:44	0.0	0.0
072	4/10/2019 08:28:14	0.0	0.0
073	4/10/2019 08:28:44	0.0	0.0

074	4/10/2019 08:29:14	0.0	0.0
075	4/10/2019 08:29:44	0.0	0.0
076	4/10/2019 08:30:14	0.0	0.0
077	4/10/2019 08:30:44	0.0	0.0
078	4/10/2019 08:31:14	0.0	0.0
079	4/10/2019 08:31:44	0.0	0.0
080	4/10/2019 08:32:14	0.0	0.0
081	4/10/2019 08:32:44	0.0	0.0
082	4/10/2019 08:33:14	0.0	0.0
083	4/10/2019 08:33:44	0.0	0.0
084	4/10/2019 08:34:14	0.0	0.0
085	4/10/2019 08:34:44	0.0	0.0
086	4/10/2019 08:35:14	0.0	0.0
087	4/10/2019 08:35:44	0.0	0.0
088	4/10/2019 08:36:14	0.0	0.0
089	4/10/2019 08:36:44	0.0	0.0
090	4/10/2019 08:37:14	0.0	0.0
091	4/10/2019 08:37:44	0.0	0.0
092	4/10/2019 08:38:14	0.0	0.0
093	4/10/2019 08:38:44	0.0	0.0
094	4/10/2019 08:39:14	0.0	0.0
095	4/10/2019 08:39:44	0.0	0.0
096	4/10/2019 08:40:14	0.0	0.0
097	4/10/2019 08:40:44	0.0	0.0
098	4/10/2019 08:41:14	0.0	0.0
099	4/10/2019 08:41:44	0.0	0.0
100	4/10/2019 08:42:14	0.0	0.0
101	4/10/2019 08:42:44	0.0	0.0
102	4/10/2019 08:43:14	0.0	0.0
103	4/10/2019 08:43:44	0.0	0.0
104	4/10/2019 08:44:14	0.0	0.0
105	4/10/2019 08:44:44	0.0	0.0
106	4/10/2019 08:45:14	0.0	0.0
107	4/10/2019 08:45:44	0.0	0.0
108	4/10/2019 08:46:14	0.0	0.0
109	4/10/2019 08:46:44	0.0	0.0
110	4/10/2019 08:47:14	0.0	0.0
111	4/10/2019 08:47:44	0.0	0.0
112	4/10/2019 08:48:14	0.0	0.0
113	4/10/2019 08:48:44	0.0	0.0
114	4/10/2019 08:49:14	0.0	0.0
115	4/10/2019 08:49:44	0.0	0.0
116	4/10/2019 08:50:14	0.0	0.0
117	4/10/2019 08:50:44	0.0	0.0
118	4/10/2019 08:51:14	0.0	0.0
119	4/10/2019 08:51:44	0.0	0.0
120	4/10/2019 08:52:14	0.0	0.0
121	4/10/2019 08:52:44	0.0	0.0
122	4/10/2019 08:53:14	0.0	0.0
123	4/10/2019 08:53:44	0.0	0.0
124	4/10/2019 08:54:14	0.0	0.0
125	4/10/2019 08:54:44	0.0	0.0
126	4/10/2019 08:55:14	0.0	0.0
127	4/10/2019 08:55:44	0.0	0.0
128	4/10/2019 08:56:14	0.0	0.0
129	4/10/2019 08:56:44	0.0	0.0
130	4/10/2019 08:57:14	0.0	0.0

131	4/10/2019 08:57:44	0.0	0.0
132	4/10/2019 08:58:14	0.0	0.0
133	4/10/2019 08:58:44	0.0	0.0
134	4/10/2019 08:59:14	0.0	0.0
135	4/10/2019 08:59:44	0.0	0.0
136	4/10/2019 09:00:14	0.0	0.0
137	4/10/2019 09:00:44	0.0	0.0
138	4/10/2019 09:01:14	0.0	0.0
139	4/10/2019 09:01:44	0.0	0.0
140	4/10/2019 09:02:14	0.0	0.0
141	4/10/2019 09:02:44	0.0	0.0
142	4/10/2019 09:03:14	0.0	0.0
143	4/10/2019 09:03:44	0.0	0.0
144	4/10/2019 09:04:14	0.0	0.0
145	4/10/2019 09:04:44	0.0	0.0
146	4/10/2019 09:05:14	0.0	0.0
147	4/10/2019 09:05:44	0.0	0.0
148	4/10/2019 09:06:14	0.0	0.0
149	4/10/2019 09:06:44	0.0	0.0
150	4/10/2019 09:07:14	0.0	0.0
151	4/10/2019 09:07:44	0.0	0.0
152	4/10/2019 09:08:14	0.0	0.0
153	4/10/2019 09:08:44	0.0	0.0
154	4/10/2019 09:09:14	0.0	0.0
155	4/10/2019 09:09:44	0.0	0.0
156	4/10/2019 09:10:14	0.0	0.0
157	4/10/2019 09:10:44	0.0	0.0
158	4/10/2019 09:11:14	0.0	0.0
159	4/10/2019 09:11:44	0.0	0.0
160	4/10/2019 09:12:14	0.0	0.0
161	4/10/2019 09:12:44	0.0	0.0
162	4/10/2019 09:13:14	0.0	0.0
163	4/10/2019 09:13:44	0.0	0.0
164	4/10/2019 09:14:14	0.0	0.0
165	4/10/2019 09:14:44	0.0	0.0
166	4/10/2019 09:15:14	0.0	0.0
167	4/10/2019 09:15:44	0.0	0.0
168	4/10/2019 09:16:14	0.0	0.0
169	4/10/2019 09:16:44	0.0	0.0
170	4/10/2019 09:17:14	0.0	0.0
171	4/10/2019 09:17:44	0.0	0.0
172	4/10/2019 09:18:14	0.0	0.0
173	4/10/2019 09:18:44	0.0	0.0
174	4/10/2019 09:19:14	0.0	0.0
175	4/10/2019 09:19:44	0.0	0.0
176	4/10/2019 09:20:14	0.0	0.0
177	4/10/2019 09:20:44	0.0	0.0
178	4/10/2019 09:21:14	0.0	0.0
179	4/10/2019 09:21:44	0.0	0.0
180	4/10/2019 09:22:14	0.0	0.0
181	4/10/2019 09:22:44	0.0	0.0
182	4/10/2019 09:23:14	0.0	0.0
183	4/10/2019 09:23:44	0.0	0.0
184	4/10/2019 09:24:14	0.0	0.0
185	4/10/2019 09:24:44	0.0	0.0
186	4/10/2019 09:25:14	0.0	0.0
187	4/10/2019 09:25:44	0.0	0.0

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189	4/10/2019 09:26:44	0.0	0.0
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191	4/10/2019 09:27:44	0.0	0.0
192	4/10/2019 09:28:14	0.0	0.0
193	4/10/2019 09:28:44	0.0	0.0
194	4/10/2019 09:29:14	0.0	0.0
195	4/10/2019 09:29:44	0.0	0.0
196	4/10/2019 09:30:14	0.0	0.0
197	4/10/2019 09:30:44	0.0	0.0
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199	4/10/2019 09:31:44	0.0	0.0
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201	4/10/2019 09:32:44	0.0	0.0
202	4/10/2019 09:33:14	0.0	0.0
203	4/10/2019 09:33:44	0.0	0.0
204	4/10/2019 09:34:14	0.0	0.0
205	4/10/2019 09:34:44	0.0	0.0
206	4/10/2019 09:35:14	0.0	0.0
207	4/10/2019 09:35:44	0.0	0.0
208	4/10/2019 09:36:14	0.0	0.0
209	4/10/2019 09:36:44	0.0	0.0
210	4/10/2019 09:37:14	0.0	0.0
211	4/10/2019 09:37:44	0.0	0.0
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213	4/10/2019 09:38:44	0.0	0.0
214	4/10/2019 09:39:14	0.0	0.0
215	4/10/2019 09:39:44	0.0	0.0
216	4/10/2019 09:40:14	0.0	0.0
217	4/10/2019 09:40:44	0.0	0.0
218	4/10/2019 09:41:14	0.0	0.0
219	4/10/2019 09:41:44	0.0	0.0
220	4/10/2019 09:42:14	0.0	0.0
221	4/10/2019 09:42:44	0.0	0.0
222	4/10/2019 09:43:14	0.0	0.0
223	4/10/2019 09:43:44	0.0	0.0
224	4/10/2019 09:44:14	0.0	0.0
225	4/10/2019 09:44:44	0.0	0.0
226	4/10/2019 09:45:14	0.0	0.0
227	4/10/2019 09:45:44	0.0	0.0
228	4/10/2019 09:46:14	0.0	0.0
229	4/10/2019 09:46:44	0.0	0.0
230	4/10/2019 09:47:14	0.0	0.0
231	4/10/2019 09:47:44	0.0	0.0
232	4/10/2019 09:48:14	0.0	0.0
233	4/10/2019 09:48:44	0.0	0.0
234	4/10/2019 09:49:14	0.0	0.0
235	4/10/2019 09:49:44	0.0	0.0
236	4/10/2019 09:50:14	0.0	0.0
237	4/10/2019 09:50:44	0.0	0.0
238	4/10/2019 09:51:14	0.0	0.1
239	4/10/2019 09:51:44	0.0	0.1
240	4/10/2019 09:52:14	0.0	0.1
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243	4/10/2019 09:53:44	0.0	0.1
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245	4/10/2019 09:54:44	0.0	0.1
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615	4/10/2019 12:59:44	0.0	0.1
616	4/10/2019 13:00:14	0.0	0.1
617	4/10/2019 13:00:44	0.0	0.1
618	4/10/2019 13:01:14	0.0	0.1
619	4/10/2019 13:01:44	0.0	0.1
620	4/10/2019 13:02:14	0.0	0.1
621	4/10/2019 13:02:44	0.0	0.1
622	4/10/2019 13:03:14	0.0	0.1
623	4/10/2019 13:03:44	0.0	0.1
624	4/10/2019 13:04:14	0.0	0.1
625	4/10/2019 13:04:44	0.0	0.1
626	4/10/2019 13:05:14	0.0	0.1
627	4/10/2019 13:05:44	0.0	0.1
628	4/10/2019 13:06:14	0.0	0.1
629	4/10/2019 13:06:44	0.0	0.1
630	4/10/2019 13:07:14	0.0	0.1
631	4/10/2019 13:07:44	0.0	0.1
632	4/10/2019 13:08:14	0.0	0.1
633	4/10/2019 13:08:44	0.0	0.1
634	4/10/2019 13:09:14	0.0	0.1
635	4/10/2019 13:09:44	0.0	0.1
636	4/10/2019 13:10:14	0.0	0.1
637	4/10/2019 13:10:44	0.0	0.1
638	4/10/2019 13:11:14	0.0	0.1
639	4/10/2019 13:11:44	0.0	0.1
640	4/10/2019 13:12:14	0.0	0.1
641	4/10/2019 13:12:44	0.0	0.1
642	4/10/2019 13:13:14	0.0	0.1
643	4/10/2019 13:13:44	0.0	0.1

644	4/10/2019 13:14:14	0.0	0.1
645	4/10/2019 13:14:44	0.0	0.1
646	4/10/2019 13:15:14	0.0	0.1
647	4/10/2019 13:15:44	0.0	0.1
648	4/10/2019 13:16:14	0.0	0.1
649	4/10/2019 13:16:44	0.0	0.1
650	4/10/2019 13:17:14	0.0	0.1
651	4/10/2019 13:17:44	0.0	0.1
652	4/10/2019 13:18:14	0.0	0.1
653	4/10/2019 13:18:44	0.0	0.1
654	4/10/2019 13:19:14	0.0	0.1
655	4/10/2019 13:19:44	0.0	0.1
656	4/10/2019 13:20:14	0.0	0.1
657	4/10/2019 13:20:44	0.0	0.1
658	4/10/2019 13:21:14	0.0	0.1
659	4/10/2019 13:21:44	0.0	0.1
660	4/10/2019 13:22:14	0.0	0.1
661	4/10/2019 13:22:44	0.0	0.1
662	4/10/2019 13:23:14	0.0	0.1
663	4/10/2019 13:23:44	0.0	0.1
664	4/10/2019 13:24:14	0.0	0.1
665	4/10/2019 13:24:44	0.0	0.1
666	4/10/2019 13:25:14	0.0	0.1
667	4/10/2019 13:25:44	0.0	0.1
668	4/10/2019 13:26:14	0.0	0.1
669	4/10/2019 13:26:44	0.0	0.1
670	4/10/2019 13:27:14	0.0	0.1
671	4/10/2019 13:27:44	0.0	0.1
672	4/10/2019 13:28:14	0.0	0.1
673	4/10/2019 13:28:44	0.0	0.1
674	4/10/2019 13:29:14	0.0	0.1
675	4/10/2019 13:29:44	0.0	0.1
676	4/10/2019 13:30:14	0.0	0.1
677	4/10/2019 13:30:44	0.0	0.1
678	4/10/2019 13:31:14	0.0	0.1
679	4/10/2019 13:31:44	0.0	0.1
680	4/10/2019 13:32:14	0.0	0.1
681	4/10/2019 13:32:44	0.0	0.1
682	4/10/2019 13:33:14	0.0	0.1
683	4/10/2019 13:33:44	0.0	0.1
684	4/10/2019 13:34:14	0.0	0.1
685	4/10/2019 13:34:44	0.0	0.1
686	4/10/2019 13:35:14	0.0	0.1
687	4/10/2019 13:35:44	0.0	0.1
688	4/10/2019 13:36:14	0.0	0.1
689	4/10/2019 13:36:44	0.0	0.1
690	4/10/2019 13:37:14	0.0	0.1
691	4/10/2019 13:37:44	0.0	0.1
692	4/10/2019 13:38:14	0.0	0.1
693	4/10/2019 13:38:44	0.0	0.1
694	4/10/2019 13:39:14	0.0	0.1
695	4/10/2019 13:39:44	0.0	0.1
696	4/10/2019 13:40:14	0.0	0.1
697	4/10/2019 13:40:44	0.0	0.1
698	4/10/2019 13:41:14	0.0	0.1
699	4/10/2019 13:41:44	0.0	0.1
700	4/10/2019 13:42:14	0.0	0.1

701	4/10/2019 13:42:44	0.0	0.1
702	4/10/2019 13:43:14	0.0	0.1
703	4/10/2019 13:43:44	0.0	0.1
704	4/10/2019 13:44:14	0.0	0.1
705	4/10/2019 13:44:44	0.0	0.1
706	4/10/2019 13:45:14	0.0	0.1
707	4/10/2019 13:45:44	0.0	0.1
708	4/10/2019 13:46:14	0.0	0.1
709	4/10/2019 13:46:44	0.0	0.1
710	4/10/2019 13:47:14	0.0	0.1
711	4/10/2019 13:47:44	0.0	0.1
712	4/10/2019 13:48:14	0.0	0.1
713	4/10/2019 13:48:44	0.0	0.1
714	4/10/2019 13:49:14	0.0	0.1
715	4/10/2019 13:49:44	0.0	0.1
716	4/10/2019 13:50:14	0.0	0.1
717	4/10/2019 13:50:44	0.0	0.1
718	4/10/2019 13:51:14	0.0	0.1
719	4/10/2019 13:51:44	0.0	0.1
720	4/10/2019 13:52:14	0.0	0.1
721	4/10/2019 13:52:44	0.0	0.1
722	4/10/2019 13:53:14	0.0	0.1
723	4/10/2019 13:53:44	0.0	0.1
724	4/10/2019 13:54:14	0.0	0.1
725	4/10/2019 13:54:44	0.0	0.1
726	4/10/2019 13:55:14	0.0	0.1
727	4/10/2019 13:55:44	0.0	0.1
728	4/10/2019 13:56:14	0.0	0.1
729	4/10/2019 13:56:44	0.0	0.1
730	4/10/2019 13:57:14	0.0	0.1
731	4/10/2019 13:57:44	0.0	0.1
732	4/10/2019 13:58:14	0.0	0.1
733	4/10/2019 13:58:44	0.0	0.1
734	4/10/2019 13:59:14	0.0	0.1
735	4/10/2019 13:59:44	0.0	0.1
736	4/10/2019 14:00:14	0.0	0.1
737	4/10/2019 14:00:44	0.0	0.1
738	4/10/2019 14:01:14	0.0	0.1
739	4/10/2019 14:01:44	0.0	0.1
740	4/10/2019 14:02:14	0.0	0.1
741	4/10/2019 14:02:44	0.1	0.1
742	4/10/2019 14:03:14	0.1	0.1
743	4/10/2019 14:03:44	0.1	0.1
744	4/10/2019 14:04:14	0.1	0.1
745	4/10/2019 14:04:44	0.1	0.1
746	4/10/2019 14:05:14	0.1	0.1
747	4/10/2019 14:05:44	0.1	0.1
748	4/10/2019 14:06:14	0.1	0.1
749	4/10/2019 14:06:44	0.1	0.1
750	4/10/2019 14:07:14	0.1	0.1
751	4/10/2019 14:07:44	0.1	0.1
752	4/10/2019 14:08:14	0.1	0.1
753	4/10/2019 14:08:44	0.1	0.1
754	4/10/2019 14:09:14	0.1	0.1
755	4/10/2019 14:09:44	0.1	0.1
756	4/10/2019 14:10:14	0.1	0.1
757	4/10/2019 14:10:44	0.1	0.1

758	4/10/2019 14:11:14	0.1	0.1
759	4/10/2019 14:11:44	0.1	0.1
760	4/10/2019 14:12:14	0.1	0.1
761	4/10/2019 14:12:44	0.1	0.1
762	4/10/2019 14:13:14	0.1	0.1
763	4/10/2019 14:13:44	0.1	0.1
764	4/10/2019 14:14:14	0.1	0.1
765	4/10/2019 14:14:44	0.1	0.1
766	4/10/2019 14:15:14	0.1	0.1
767	4/10/2019 14:15:44	0.1	0.1
768	4/10/2019 14:16:14	0.1	0.1
769	4/10/2019 14:16:44	0.1	0.1
770	4/10/2019 14:17:14	0.1	0.1
771	4/10/2019 14:17:44	0.1	0.1
772	4/10/2019 14:18:14	0.1	0.1
773	4/10/2019 14:18:44	0.1	0.1
774	4/10/2019 14:19:14	0.1	0.1
775	4/10/2019 14:19:44	0.1	0.1
776	4/10/2019 14:20:14	0.1	0.1
777	4/10/2019 14:20:44	0.1	0.1
778	4/10/2019 14:21:14	0.1	0.1
779	4/10/2019 14:21:44	0.1	0.1
780	4/10/2019 14:22:14	0.1	0.1
781	4/10/2019 14:22:44	0.1	0.1
782	4/10/2019 14:23:14	0.1	0.1
783	4/10/2019 14:23:44	0.1	0.1
784	4/10/2019 14:24:14	0.1	0.1
785	4/10/2019 14:24:44	0.1	0.1
786	4/10/2019 14:25:14	0.1	0.1
787	4/10/2019 14:25:44	0.1	0.1
788	4/10/2019 14:26:14	0.1	0.1
789	4/10/2019 14:26:44	0.1	0.1
790	4/10/2019 14:27:14	0.1	0.1
791	4/10/2019 14:27:44	0.1	0.1
792	4/10/2019 14:28:14	0.1	0.1
793	4/10/2019 14:28:44	0.1	0.1
794	4/10/2019 14:29:14	0.1	0.1
795	4/10/2019 14:29:44	0.1	0.1
796	4/10/2019 14:30:14	0.1	0.1
797	4/10/2019 14:30:44	0.1	0.1
798	4/10/2019 14:31:14	0.1	0.1
799	4/10/2019 14:31:44	0.1	0.1
800	4/10/2019 14:32:14	0.1	0.1
801	4/10/2019 14:32:44	0.1	0.1
802	4/10/2019 14:33:14	0.1	0.1
803	4/10/2019 14:33:44	0.1	0.1
804	4/10/2019 14:34:14	0.1	0.1
805	4/10/2019 14:34:44	0.1	0.1
806	4/10/2019 14:35:14	0.1	0.1
807	4/10/2019 14:35:44	0.1	0.1
808	4/10/2019 14:36:14	0.1	0.1
809	4/10/2019 14:36:44	0.1	0.1
810	4/10/2019 14:37:14	0.1	0.1
811	4/10/2019 14:37:44	0.1	0.1
812	4/10/2019 14:38:14	0.1	0.1
813	4/10/2019 14:38:44	0.1	0.1
814	4/10/2019 14:39:14	0.1	0.1

815	4/10/2019 14:39:44	0.1	0.1
816	4/10/2019 14:40:14	0.1	0.1
817	4/10/2019 14:40:44	0.1	0.1
818	4/10/2019 14:41:14	0.1	0.1
819	4/10/2019 14:41:44	0.1	0.1
820	4/10/2019 14:42:14	0.1	0.1
821	4/10/2019 14:42:44	0.1	0.1
822	4/10/2019 14:43:14	0.1	0.1
823	4/10/2019 14:43:44	0.1	0.1
824	4/10/2019 14:44:14	0.1	0.1
825	4/10/2019 14:44:44	0.1	0.1
826	4/10/2019 14:45:14	0.1	0.1
827	4/10/2019 14:45:44	0.1	0.1
828	4/10/2019 14:46:14	0.1	0.1
829	4/10/2019 14:46:44	0.1	0.1
830	4/10/2019 14:47:14	0.1	0.1
831	4/10/2019 14:47:44	0.1	0.1
832	4/10/2019 14:48:14	0.1	0.1
833	4/10/2019 14:48:44	0.1	0.1
834	4/10/2019 14:49:14	0.1	0.1
835	4/10/2019 14:49:44	0.1	0.1
836	4/10/2019 14:50:14	0.1	0.1
837	4/10/2019 14:50:44	0.1	0.1
838	4/10/2019 14:51:14	0.1	0.1
839	4/10/2019 14:51:44	0.1	0.1
840	4/10/2019 14:52:14	0.1	0.1
841	4/10/2019 14:52:44	0.1	0.1
842	4/10/2019 14:53:14	0.1	0.1
843	4/10/2019 14:53:44	0.1	0.1
844	4/10/2019 14:54:14	0.1	0.1
845	4/10/2019 14:54:44	0.1	0.1
846	4/10/2019 14:55:14	0.1	0.1
847	4/10/2019 14:55:44	0.1	0.1
848	4/10/2019 14:56:14	0.1	0.1
849	4/10/2019 14:56:44	0.1	0.1
850	4/10/2019 14:57:14	0.1	0.1
851	4/10/2019 14:57:44	0.1	0.1
852	4/10/2019 14:58:14	0.1	0.1
853	4/10/2019 14:58:44	0.1	0.1
854	4/10/2019 14:59:14	0.1	0.1
855	4/10/2019 14:59:44	0.1	0.1
856	4/10/2019 15:00:14	0.1	0.1
857	4/10/2019 15:00:44	0.1	0.1
858	4/10/2019 15:01:14	0.1	0.1
859	4/10/2019 15:01:44	0.1	0.1
860	4/10/2019 15:02:14	0.1	0.1
861	4/10/2019 15:02:44	0.1	0.1
862	4/10/2019 15:03:14	0.1	0.1
863	4/10/2019 15:03:44	0.1	0.1
864	4/10/2019 15:04:14	0.1	0.1
865	4/10/2019 15:04:44	0.1	0.1
866	4/10/2019 15:05:14	0.1	0.1
867	4/10/2019 15:05:44	0.1	0.1
868	4/10/2019 15:06:14	0.1	0.1
869	4/10/2019 15:06:44	0.1	0.1
870	4/10/2019 15:07:14	0.1	0.1
871	4/10/2019 15:07:44	0.1	0.1

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19/04/11 07:30
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/11/2019 07:30:55
End 4/11/2019 07:32:06
Sample Period(s) 30
Number of Records 2

Sensor PID(ppm)
Sensor SN S023030476Q4
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm15000.0
STEL Alarm 50.0
TWA Alarm10.0
Measurement Gas Isobutylene
Calibration Time 4/10/2019 07:43
Peak 0.2
Min 0.2
Average 0.2

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/11/2019 07:31:25	0.1	0.2	0.3	0.2
002	4/11/2019 07:31:55	0.2	0.2	0.2	0.2
Peak		0.2	0.2	0.3	0.2
Min		0.1	0.2	0.2	0.2
Average			0.2	0.2	0.3	0.2

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/11/2019 07:31:25	0.0	---
002	4/11/2019 07:31:55	0.0	---

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19/04/11 07:40
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Battery Low

Site ID 00000037
User ID 00000001

Begin4/11/2019 07:40:19
End 4/11/2019 12:30:19
Sample Period(s) 30
Number of Records 579

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/11/2019 07:35
Peak 0.0
Min 0.0
Average 0.0

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Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/11/2019 07:40:49	0.0	0.0	0.0	0.0
002	4/11/2019 07:41:19	0.0	0.0	0.0	0.0
003	4/11/2019 07:41:49	0.0	0.0	0.0	0.0
004	4/11/2019 07:42:19	0.0	0.0	0.0	0.0
005	4/11/2019 07:42:49	0.0	0.0	0.0	0.0
006	4/11/2019 07:43:19	0.0	0.0	0.0	0.0
007	4/11/2019 07:43:49	0.0	0.0	0.0	0.0
008	4/11/2019 07:44:19	0.0	0.0	0.0	0.0
009	4/11/2019 07:44:49	0.0	0.0	0.0	0.0
010	4/11/2019 07:45:19	0.0	0.0	0.0	0.0
011	4/11/2019 07:45:49	0.0	0.0	0.0	0.0
012	4/11/2019 07:46:19	0.0	0.0	0.0	0.0
013	4/11/2019 07:46:49	0.0	0.0	0.0	0.0
014	4/11/2019 07:47:19	0.0	0.0	0.0	0.0
015	4/11/2019 07:47:49	0.0	0.0	0.0	0.0
016	4/11/2019 07:48:19	0.0	0.0	0.0	0.0
017	4/11/2019 07:48:49	0.0	0.0	0.0	0.0
018	4/11/2019 07:49:19	0.0	0.0	0.0	0.0

019	4/11/2019	07:49:49	0.0	0.0	0.0	0.0
020	4/11/2019	07:50:19	0.0	0.0	0.0	0.0
021	4/11/2019	07:50:49	0.0	0.0	0.0	0.0
022	4/11/2019	07:51:19	0.0	0.0	0.0	0.0
023	4/11/2019	07:51:49	0.0	0.0	0.0	0.0
024	4/11/2019	07:52:19	0.0	0.0	0.0	0.0
025	4/11/2019	07:52:49	0.0	0.0	0.0	0.0
026	4/11/2019	07:53:19	0.0	0.0	0.0	0.0
027	4/11/2019	07:53:49	0.0	0.0	0.0	0.0
028	4/11/2019	07:54:19	0.0	0.0	0.0	0.0
029	4/11/2019	07:54:49	0.0	0.0	0.0	0.0
030	4/11/2019	07:55:19	0.0	0.0	0.0	0.0
031	4/11/2019	07:55:49	0.0	0.0	0.0	0.0
032	4/11/2019	07:56:19	0.0	0.0	0.0	0.0
033	4/11/2019	07:56:49	0.0	0.0	0.0	0.0
034	4/11/2019	07:57:19	0.0	0.0	0.0	0.0
035	4/11/2019	07:57:49	0.0	0.0	0.0	0.0
036	4/11/2019	07:58:19	0.0	0.0	0.0	0.0
037	4/11/2019	07:58:49	0.0	0.0	0.0	0.0
038	4/11/2019	07:59:19	0.0	0.0	0.0	0.0
039	4/11/2019	07:59:49	0.0	0.0	0.0	0.0
040	4/11/2019	08:00:19	0.0	0.0	0.0	0.0
041	4/11/2019	08:00:49	0.0	0.0	0.0	0.0
042	4/11/2019	08:01:19	0.0	0.0	0.0	0.0
043	4/11/2019	08:01:49	0.0	0.0	0.0	0.0
044	4/11/2019	08:02:19	0.0	0.0	0.0	0.0
045	4/11/2019	08:02:49	0.0	0.0	0.0	0.0
046	4/11/2019	08:03:19	0.0	0.0	0.0	0.0
047	4/11/2019	08:03:49	0.0	0.0	0.0	0.0
048	4/11/2019	08:04:19	0.0	0.0	0.0	0.0
049	4/11/2019	08:04:49	0.0	0.0	0.0	0.0
050	4/11/2019	08:05:19	0.0	0.0	0.0	0.0
051	4/11/2019	08:05:49	0.0	0.0	0.0	0.0
052	4/11/2019	08:06:19	0.0	0.0	0.0	0.0
053	4/11/2019	08:06:49	0.0	0.0	0.0	0.0
054	4/11/2019	08:07:19	0.0	0.0	0.0	0.0
055	4/11/2019	08:07:49	0.0	0.0	0.0	0.0
056	4/11/2019	08:08:19	0.0	0.0	0.0	0.0
057	4/11/2019	08:08:49	0.0	0.0	0.0	0.0
058	4/11/2019	08:09:19	0.0	0.0	0.0	0.0
059	4/11/2019	08:09:49	0.0	0.0	0.0	0.0
060	4/11/2019	08:10:19	0.0	0.0	0.0	0.0
061	4/11/2019	08:10:49	0.0	0.0	0.0	0.0
062	4/11/2019	08:11:19	0.0	0.0	0.0	0.0
063	4/11/2019	08:11:49	0.0	0.0	0.0	0.0
064	4/11/2019	08:12:19	0.0	0.0	0.0	0.0
065	4/11/2019	08:12:49	0.0	0.0	0.0	0.0
066	4/11/2019	08:13:19	0.0	0.0	0.0	0.0
067	4/11/2019	08:13:49	0.0	0.0	0.0	0.0
068	4/11/2019	08:14:19	0.0	0.0	0.0	0.0
069	4/11/2019	08:14:49	0.0	0.0	0.0	0.0
070	4/11/2019	08:15:19	0.0	0.0	0.0	0.0
071	4/11/2019	08:15:49	0.0	0.0	0.0	0.0
072	4/11/2019	08:16:19	0.0	0.0	0.0	0.0
073	4/11/2019	08:16:49	0.0	0.0	0.0	0.0
074	4/11/2019	08:17:19	0.0	0.0	0.0	0.0
075	4/11/2019	08:17:49	0.0	0.0	0.0	0.0

076	4/11/2019	08:18:19	0.0	0.0	0.0	0.0
077	4/11/2019	08:18:49	0.0	0.0	0.0	0.0
078	4/11/2019	08:19:19	0.0	0.0	0.0	0.0
079	4/11/2019	08:19:49	0.0	0.0	0.0	0.0
080	4/11/2019	08:20:19	0.0	0.0	0.0	0.0
081	4/11/2019	08:20:49	0.0	0.0	0.0	0.0
082	4/11/2019	08:21:19	0.0	0.0	0.0	0.0
083	4/11/2019	08:21:49	0.0	0.0	0.0	0.0
084	4/11/2019	08:22:19	0.0	0.0	0.0	0.0
085	4/11/2019	08:22:49	0.0	0.0	0.0	0.0
086	4/11/2019	08:23:19	0.0	0.0	0.0	0.0
087	4/11/2019	08:23:49	0.0	0.0	0.0	0.0
088	4/11/2019	08:24:19	0.0	0.0	0.0	0.0
089	4/11/2019	08:24:49	0.0	0.0	0.0	0.0
090	4/11/2019	08:25:19	0.0	0.0	0.0	0.0
091	4/11/2019	08:25:49	0.0	0.0	0.0	0.0
092	4/11/2019	08:26:19	0.0	0.0	0.0	0.0
093	4/11/2019	08:26:49	0.0	0.0	0.0	0.0
094	4/11/2019	08:27:19	0.0	0.0	0.0	0.0
095	4/11/2019	08:27:49	0.0	0.0	0.0	0.0
096	4/11/2019	08:28:19	0.0	0.0	0.0	0.0
097	4/11/2019	08:28:49	0.0	0.0	0.0	0.0
098	4/11/2019	08:29:19	0.0	0.0	0.0	0.0
099	4/11/2019	08:29:49	0.0	0.0	0.0	0.0
100	4/11/2019	08:30:19	0.0	0.0	0.0	0.0
101	4/11/2019	08:30:49	0.0	0.0	0.0	0.0
102	4/11/2019	08:31:19	0.0	0.0	0.0	0.0
103	4/11/2019	08:31:49	0.0	0.0	0.0	0.0
104	4/11/2019	08:32:19	0.0	0.0	0.0	0.0
105	4/11/2019	08:32:49	0.0	0.0	0.0	0.0
106	4/11/2019	08:33:19	0.0	0.0	0.0	0.0
107	4/11/2019	08:33:49	0.0	0.0	0.0	0.0
108	4/11/2019	08:34:19	0.0	0.0	0.0	0.0
109	4/11/2019	08:34:49	0.0	0.0	0.0	0.0
110	4/11/2019	08:35:19	0.0	0.0	0.0	0.0
111	4/11/2019	08:35:49	0.0	0.0	0.0	0.0
112	4/11/2019	08:36:19	0.0	0.0	0.0	0.0
113	4/11/2019	08:36:49	0.0	0.0	0.0	0.0
114	4/11/2019	08:37:19	0.0	0.0	0.0	0.0
115	4/11/2019	08:37:49	0.0	0.0	0.0	0.0
116	4/11/2019	08:38:19	0.0	0.0	0.0	0.0
117	4/11/2019	08:38:49	0.0	0.0	0.0	0.0
118	4/11/2019	08:39:19	0.0	0.0	0.0	0.0
119	4/11/2019	08:39:49	0.0	0.0	0.0	0.0
120	4/11/2019	08:40:19	0.0	0.0	0.0	0.0
121	4/11/2019	08:40:49	0.0	0.0	0.0	0.0
122	4/11/2019	08:41:19	0.0	0.0	0.0	0.0
123	4/11/2019	08:41:49	0.0	0.0	0.0	0.0
124	4/11/2019	08:42:19	0.0	0.0	0.0	0.0
125	4/11/2019	08:42:49	0.0	0.0	0.0	0.0
126	4/11/2019	08:43:19	0.0	0.0	0.0	0.0
127	4/11/2019	08:43:49	0.0	0.0	0.0	0.0
128	4/11/2019	08:44:19	0.0	0.0	0.0	0.0
129	4/11/2019	08:44:49	0.0	0.0	0.0	0.0
130	4/11/2019	08:45:19	0.0	0.0	0.0	0.0
131	4/11/2019	08:45:49	0.0	0.0	0.0	0.0
132	4/11/2019	08:46:19	0.0	0.0	0.0	0.0

133	4/11/2019 08:46:49	0.0	0.0	0.0	0.0
134	4/11/2019 08:47:19	0.0	0.0	0.0	0.0
135	4/11/2019 08:47:49	0.0	0.0	0.0	0.0
136	4/11/2019 08:48:19	0.0	0.0	0.0	0.0
137	4/11/2019 08:48:49	0.0	0.0	0.0	0.0
138	4/11/2019 08:49:19	0.0	0.0	0.0	0.0
139	4/11/2019 08:49:49	0.0	0.0	0.0	0.0
140	4/11/2019 08:50:19	0.0	0.0	0.0	0.0
141	4/11/2019 08:50:49	0.0	0.0	0.0	0.0
142	4/11/2019 08:51:19	0.0	0.0	0.0	0.0
143	4/11/2019 08:51:49	0.0	0.0	0.0	0.0
144	4/11/2019 08:52:19	0.0	0.0	0.0	0.0
145	4/11/2019 08:52:49	0.0	0.0	0.0	0.0
146	4/11/2019 08:53:19	0.0	0.0	0.0	0.0
147	4/11/2019 08:53:49	0.0	0.0	0.0	0.0
148	4/11/2019 08:54:19	0.0	0.0	0.0	0.0
149	4/11/2019 08:54:49	0.0	0.0	0.0	0.0
150	4/11/2019 08:55:19	0.0	0.0	0.0	0.0
151	4/11/2019 08:55:49	0.0	0.0	0.0	0.0
152	4/11/2019 08:56:19	0.0	0.0	0.0	0.0
153	4/11/2019 08:56:49	0.0	0.0	0.0	0.0
154	4/11/2019 08:57:19	0.0	0.0	0.0	0.0
155	4/11/2019 08:57:49	0.0	0.0	0.0	0.0
156	4/11/2019 08:58:19	0.0	0.0	0.0	0.0
157	4/11/2019 08:58:49	0.0	0.0	0.0	0.0
158	4/11/2019 08:59:19	0.0	0.0	0.0	0.0
159	4/11/2019 08:59:49	0.0	0.0	0.0	0.0
160	4/11/2019 09:00:19	0.0	0.0	0.0	0.0
161	4/11/2019 09:00:49	0.0	0.0	0.0	0.0
162	4/11/2019 09:01:19	0.0	0.0	0.0	0.0
163	4/11/2019 09:01:49	0.0	0.0	0.0	0.0
164	4/11/2019 09:02:19	0.0	0.0	0.0	0.0
165	4/11/2019 09:02:49	0.0	0.0	0.0	0.0
166	4/11/2019 09:03:19	0.0	0.0	0.0	0.0
167	4/11/2019 09:03:49	0.0	0.0	0.0	0.0
168	4/11/2019 09:04:19	0.0	0.0	0.0	0.0
169	4/11/2019 09:04:49	0.0	0.0	0.0	0.0
170	4/11/2019 09:05:19	0.0	0.0	0.0	0.0
171	4/11/2019 09:05:49	0.0	0.0	0.0	0.0
172	4/11/2019 09:06:19	0.0	0.0	0.0	0.0
173	4/11/2019 09:06:49	0.0	0.0	0.0	0.0
174	4/11/2019 09:07:19	0.0	0.0	0.0	0.0
175	4/11/2019 09:07:49	0.0	0.0	0.0	0.0
176	4/11/2019 09:08:19	0.0	0.0	0.0	0.0
177	4/11/2019 09:08:49	0.0	0.0	0.0	0.0
178	4/11/2019 09:09:19	0.0	0.0	0.0	0.0
179	4/11/2019 09:09:49	0.0	0.0	0.0	0.0
180	4/11/2019 09:10:19	0.0	0.0	0.0	0.0
181	4/11/2019 09:10:49	0.0	0.0	0.0	0.0
182	4/11/2019 09:11:19	0.0	0.0	0.0	0.0
183	4/11/2019 09:11:49	0.0	0.0	0.0	0.0
184	4/11/2019 09:12:19	0.0	0.0	0.0	0.0
185	4/11/2019 09:12:49	0.0	0.0	0.0	0.0
186	4/11/2019 09:13:19	0.0	0.0	0.0	0.0
187	4/11/2019 09:13:49	0.0	0.0	0.0	0.0
188	4/11/2019 09:14:19	0.0	0.0	0.0	0.0
189	4/11/2019 09:14:49	0.0	0.0	0.0	0.0

190	4/11/2019 09:15:19	0.0	0.0	0.0	0.0
191	4/11/2019 09:15:49	0.0	0.0	0.0	0.0
192	4/11/2019 09:16:19	0.0	0.0	0.0	0.0
193	4/11/2019 09:16:49	0.0	0.0	0.0	0.0
194	4/11/2019 09:17:19	0.0	0.0	0.0	0.0
195	4/11/2019 09:17:49	0.0	0.0	0.0	0.0
196	4/11/2019 09:18:19	0.0	0.0	0.0	0.0
197	4/11/2019 09:18:49	0.0	0.0	0.0	0.0
198	4/11/2019 09:19:19	0.0	0.0	0.0	0.0
199	4/11/2019 09:19:49	0.0	0.0	0.0	0.0
200	4/11/2019 09:20:19	0.0	0.0	0.0	0.0
201	4/11/2019 09:20:49	0.0	0.0	0.0	0.0
202	4/11/2019 09:21:19	0.0	0.0	0.0	0.0
203	4/11/2019 09:21:49	0.0	0.0	0.0	0.0
204	4/11/2019 09:22:19	0.0	0.0	0.0	0.0
205	4/11/2019 09:22:49	0.0	0.0	0.0	0.0
206	4/11/2019 09:23:19	0.0	0.0	0.0	0.0
207	4/11/2019 09:23:49	0.0	0.0	0.0	0.0
208	4/11/2019 09:24:19	0.0	0.0	0.0	0.0
209	4/11/2019 09:24:49	0.0	0.0	0.0	0.0
210	4/11/2019 09:25:19	0.0	0.0	0.0	0.0
211	4/11/2019 09:25:49	0.0	0.0	0.0	0.0
212	4/11/2019 09:26:19	0.0	0.0	0.0	0.0
213	4/11/2019 09:26:49	0.0	0.0	0.0	0.0
214	4/11/2019 09:27:19	0.0	0.0	0.0	0.0
215	4/11/2019 09:27:49	0.0	0.0	0.0	0.0
216	4/11/2019 09:28:19	0.0	0.0	0.0	0.0
217	4/11/2019 09:28:49	0.0	0.0	0.0	0.0
218	4/11/2019 09:29:19	0.0	0.0	0.0	0.0
219	4/11/2019 09:29:49	0.0	0.0	0.0	0.0
220	4/11/2019 09:30:19	0.0	0.0	0.0	0.0
221	4/11/2019 09:30:49	0.0	0.0	0.0	0.0
222	4/11/2019 09:31:19	0.0	0.0	0.0	0.0
223	4/11/2019 09:31:49	0.0	0.0	0.0	0.0
224	4/11/2019 09:32:19	0.0	0.0	0.0	0.0
225	4/11/2019 09:32:49	0.0	0.0	0.0	0.0
226	4/11/2019 09:33:19	0.0	0.0	0.0	0.0
227	4/11/2019 09:33:49	0.0	0.0	0.0	0.0
228	4/11/2019 09:34:19	0.0	0.0	0.0	0.0
229	4/11/2019 09:34:49	0.0	0.0	0.0	0.0
230	4/11/2019 09:35:19	0.0	0.0	0.0	0.0
231	4/11/2019 09:35:49	0.0	0.0	0.0	0.0
232	4/11/2019 09:36:19	0.0	0.0	0.0	0.0
233	4/11/2019 09:36:49	0.0	0.0	0.0	0.0
234	4/11/2019 09:37:19	0.0	0.0	0.0	0.0
235	4/11/2019 09:37:49	0.0	0.0	0.0	0.0
236	4/11/2019 09:38:19	0.0	0.0	0.0	0.0
237	4/11/2019 09:38:49	0.0	0.0	0.0	0.0
238	4/11/2019 09:39:19	0.0	0.0	0.0	0.0
239	4/11/2019 09:39:49	0.0	0.0	0.0	0.0
240	4/11/2019 09:40:19	0.0	0.0	0.0	0.0
241	4/11/2019 09:40:49	0.0	0.0	0.0	0.0
242	4/11/2019 09:41:19	0.0	0.0	0.0	0.0
243	4/11/2019 09:41:49	0.0	0.0	0.0	0.0
244	4/11/2019 09:42:19	0.0	0.0	0.0	0.0
245	4/11/2019 09:42:49	0.0	0.0	0.0	0.0
246	4/11/2019 09:43:19	0.0	0.0	0.0	0.0

247	4/11/2019 09:43:49	0.0	0.0	0.0	0.0
248	4/11/2019 09:44:19	0.0	0.0	0.0	0.0
249	4/11/2019 09:44:49	0.0	0.0	0.0	0.0
250	4/11/2019 09:45:19	0.0	0.0	0.0	0.0
251	4/11/2019 09:45:49	0.0	0.0	0.0	0.0
252	4/11/2019 09:46:19	0.0	0.0	0.0	0.0
253	4/11/2019 09:46:49	0.0	0.0	0.0	0.0
254	4/11/2019 09:47:19	0.0	0.0	0.0	0.0
255	4/11/2019 09:47:49	0.0	0.0	0.0	0.0
256	4/11/2019 09:48:19	0.0	0.0	0.0	0.0
257	4/11/2019 09:48:49	0.0	0.0	0.0	0.0
258	4/11/2019 09:49:19	0.0	0.0	0.0	0.0
259	4/11/2019 09:49:49	0.0	0.0	0.0	0.0
260	4/11/2019 09:50:19	0.0	0.0	0.0	0.0
261	4/11/2019 09:50:49	0.0	0.0	0.0	0.0
262	4/11/2019 09:51:19	0.0	0.0	0.0	0.0
263	4/11/2019 09:51:49	0.0	0.0	0.0	0.0
264	4/11/2019 09:52:19	0.0	0.0	0.0	0.0
265	4/11/2019 09:52:49	0.0	0.0	0.0	0.0
266	4/11/2019 09:53:19	0.0	0.0	0.0	0.0
267	4/11/2019 09:53:49	0.0	0.0	0.0	0.0
268	4/11/2019 09:54:19	0.0	0.0	0.0	0.0
269	4/11/2019 09:54:49	0.0	0.0	0.0	0.0
270	4/11/2019 09:55:19	0.0	0.0	0.0	0.0
271	4/11/2019 09:55:49	0.0	0.0	0.0	0.0
272	4/11/2019 09:56:19	0.0	0.0	0.0	0.0
273	4/11/2019 09:56:49	0.0	0.0	0.0	0.0
274	4/11/2019 09:57:19	0.0	0.0	0.0	0.0
275	4/11/2019 09:57:49	0.0	0.0	0.0	0.0
276	4/11/2019 09:58:19	0.0	0.0	0.0	0.0
277	4/11/2019 09:58:49	0.0	0.0	0.0	0.0
278	4/11/2019 09:59:19	0.0	0.0	0.0	0.0
279	4/11/2019 09:59:49	0.0	0.0	0.0	0.0
280	4/11/2019 10:00:19	0.0	0.0	0.0	0.0
281	4/11/2019 10:00:49	0.0	0.0	0.0	0.0
282	4/11/2019 10:01:19	0.0	0.0	0.0	0.0
283	4/11/2019 10:01:49	0.0	0.0	0.0	0.0
284	4/11/2019 10:02:19	0.0	0.0	0.0	0.0
285	4/11/2019 10:02:49	0.0	0.0	0.0	0.0
286	4/11/2019 10:03:19	0.0	0.0	0.0	0.0
287	4/11/2019 10:03:49	0.0	0.0	0.0	0.0
288	4/11/2019 10:04:19	0.0	0.0	0.0	0.0
289	4/11/2019 10:04:49	0.0	0.0	0.0	0.0
290	4/11/2019 10:05:19	0.0	0.0	0.0	0.0
291	4/11/2019 10:05:49	0.0	0.0	0.0	0.0
292	4/11/2019 10:06:19	0.0	0.0	0.0	0.0
293	4/11/2019 10:06:49	0.0	0.0	0.0	0.0
294	4/11/2019 10:07:19	0.0	0.0	0.0	0.0
295	4/11/2019 10:07:49	0.0	0.0	0.0	0.0
296	4/11/2019 10:08:19	0.0	0.0	0.0	0.0
297	4/11/2019 10:08:49	0.0	0.0	0.0	0.0
298	4/11/2019 10:09:19	0.0	0.0	0.0	0.0
299	4/11/2019 10:09:49	0.0	0.0	0.0	0.0
300	4/11/2019 10:10:19	0.0	0.0	0.0	0.0
301	4/11/2019 10:10:49	0.0	0.0	0.0	0.0
302	4/11/2019 10:11:19	0.0	0.0	0.0	0.0
303	4/11/2019 10:11:49	0.0	0.0	0.0	0.0

304	4/11/2019	10:12:19	0.0	0.0	0.0	0.0
305	4/11/2019	10:12:49	0.0	0.0	0.0	0.0
306	4/11/2019	10:13:19	0.0	0.0	0.0	0.0
307	4/11/2019	10:13:49	0.0	0.0	0.0	0.0
308	4/11/2019	10:14:19	0.0	0.0	0.0	0.0
309	4/11/2019	10:14:49	0.0	0.0	0.0	0.0
310	4/11/2019	10:15:19	0.0	0.0	0.0	0.0
311	4/11/2019	10:15:49	0.0	0.0	0.0	0.0
312	4/11/2019	10:16:19	0.0	0.0	0.0	0.0
313	4/11/2019	10:16:49	0.0	0.0	0.0	0.0
314	4/11/2019	10:17:19	0.0	0.0	0.0	0.0
315	4/11/2019	10:17:49	0.0	0.0	0.0	0.0
316	4/11/2019	10:18:19	0.0	0.0	0.0	0.0
317	4/11/2019	10:18:49	0.0	0.0	0.0	0.0
318	4/11/2019	10:19:19	0.0	0.0	0.0	0.0
319	4/11/2019	10:19:49	0.0	0.0	0.0	0.0
320	4/11/2019	10:20:19	0.0	0.0	0.0	0.0
321	4/11/2019	10:20:49	0.0	0.0	0.0	0.0
322	4/11/2019	10:21:19	0.0	0.0	0.0	0.0
323	4/11/2019	10:21:49	0.0	0.0	0.0	0.0
324	4/11/2019	10:22:19	0.0	0.0	0.0	0.0
325	4/11/2019	10:22:49	0.0	0.0	0.0	0.0
326	4/11/2019	10:23:19	0.0	0.0	0.0	0.0
327	4/11/2019	10:23:49	0.0	0.0	0.0	0.0
328	4/11/2019	10:24:19	0.0	0.0	0.0	0.0
329	4/11/2019	10:24:49	0.0	0.0	0.0	0.0
330	4/11/2019	10:25:19	0.0	0.0	0.0	0.0
331	4/11/2019	10:25:49	0.0	0.0	0.0	0.0
332	4/11/2019	10:26:19	0.0	0.0	0.0	0.0
333	4/11/2019	10:26:49	0.0	0.0	0.0	0.0
334	4/11/2019	10:27:19	0.0	0.0	0.0	0.0
335	4/11/2019	10:27:49	0.0	0.0	0.0	0.0
336	4/11/2019	10:28:19	0.0	0.0	0.0	0.0
337	4/11/2019	10:28:49	0.0	0.0	0.0	0.0
338	4/11/2019	10:29:19	0.0	0.0	0.0	0.0
339	4/11/2019	10:29:49	0.0	0.0	0.0	0.0
340	4/11/2019	10:30:19	0.0	0.0	0.0	0.0
341	4/11/2019	10:30:49	0.0	0.0	0.0	0.0
342	4/11/2019	10:31:19	0.0	0.0	0.0	0.0
343	4/11/2019	10:31:49	0.0	0.0	0.0	0.0
344	4/11/2019	10:32:19	0.0	0.0	0.0	0.0
345	4/11/2019	10:32:49	0.0	0.0	0.0	0.0
346	4/11/2019	10:33:19	0.0	0.0	0.0	0.0
347	4/11/2019	10:33:49	0.0	0.0	0.0	0.0
348	4/11/2019	10:34:19	0.0	0.0	0.0	0.0
349	4/11/2019	10:34:49	0.0	0.0	0.0	0.0
350	4/11/2019	10:35:19	0.0	0.0	0.0	0.0
351	4/11/2019	10:35:49	0.0	0.0	0.0	0.0
352	4/11/2019	10:36:19	0.0	0.0	0.0	0.0
353	4/11/2019	10:36:49	0.0	0.0	0.0	0.0
354	4/11/2019	10:37:19	0.0	0.0	0.0	0.0
355	4/11/2019	10:37:49	0.0	0.0	0.0	0.0
356	4/11/2019	10:38:19	0.0	0.0	0.0	0.0
357	4/11/2019	10:38:49	0.0	0.0	0.0	0.0
358	4/11/2019	10:39:19	0.0	0.0	0.0	0.0
359	4/11/2019	10:39:49	0.0	0.0	0.0	0.0
360	4/11/2019	10:40:19	0.0	0.0	0.0	0.0

361	4/11/2019	10:40:49	0.0	0.0	0.0	0.0
362	4/11/2019	10:41:19	0.0	0.0	0.0	0.0
363	4/11/2019	10:41:49	0.0	0.0	0.0	0.0
364	4/11/2019	10:42:19	0.0	0.0	0.0	0.0
365	4/11/2019	10:42:49	0.0	0.0	0.0	0.0
366	4/11/2019	10:43:19	0.0	0.0	0.0	0.0
367	4/11/2019	10:43:49	0.0	0.0	0.0	0.0
368	4/11/2019	10:44:19	0.0	0.0	0.0	0.0
369	4/11/2019	10:44:49	0.0	0.0	0.0	0.0
370	4/11/2019	10:45:19	0.0	0.0	0.0	0.0
371	4/11/2019	10:45:49	0.0	0.0	0.0	0.0
372	4/11/2019	10:46:19	0.0	0.0	0.0	0.0
373	4/11/2019	10:46:49	0.0	0.0	0.0	0.0
374	4/11/2019	10:47:19	0.0	0.0	0.0	0.0
375	4/11/2019	10:47:49	0.0	0.0	0.0	0.0
376	4/11/2019	10:48:19	0.0	0.0	0.0	0.0
377	4/11/2019	10:48:49	0.0	0.0	0.2	0.0
378	4/11/2019	10:49:19	0.0	0.0	0.0	0.0
379	4/11/2019	10:49:49	0.0	0.0	0.0	0.0
380	4/11/2019	10:50:19	0.0	0.0	0.0	0.0
381	4/11/2019	10:50:49	0.0	0.0	0.0	0.0
382	4/11/2019	10:51:19	0.0	0.0	0.0	0.0
383	4/11/2019	10:51:49	0.0	0.0	0.0	0.0
384	4/11/2019	10:52:19	0.0	0.0	0.0	0.0
385	4/11/2019	10:52:49	0.0	0.0	0.0	0.0
386	4/11/2019	10:53:19	0.0	0.0	0.0	0.0
387	4/11/2019	10:53:49	0.0	0.0	0.0	0.0
388	4/11/2019	10:54:19	0.0	0.0	0.0	0.0
389	4/11/2019	10:54:49	0.0	0.0	0.0	0.0
390	4/11/2019	10:55:19	0.0	0.0	0.0	0.0
391	4/11/2019	10:55:49	0.0	0.0	0.0	0.0
392	4/11/2019	10:56:19	0.0	0.0	0.0	0.0
393	4/11/2019	10:56:49	0.0	0.0	0.0	0.0
394	4/11/2019	10:57:19	0.0	0.0	0.0	0.0
395	4/11/2019	10:57:49	0.0	0.0	0.0	0.0
396	4/11/2019	10:58:19	0.0	0.0	0.0	0.0
397	4/11/2019	10:58:49	0.0	0.0	0.0	0.0
398	4/11/2019	10:59:19	0.0	0.0	0.0	0.0
399	4/11/2019	10:59:49	0.0	0.0	0.0	0.0
400	4/11/2019	11:00:19	0.0	0.0	0.0	0.0
401	4/11/2019	11:00:49	0.0	0.0	0.0	0.0
402	4/11/2019	11:01:19	0.0	0.0	0.0	0.0
403	4/11/2019	11:01:49	0.0	0.0	0.0	0.0
404	4/11/2019	11:02:19	0.0	0.0	0.0	0.0
405	4/11/2019	11:02:49	0.0	0.0	0.0	0.0
406	4/11/2019	11:03:19	0.0	0.0	0.0	0.0
407	4/11/2019	11:03:49	0.0	0.0	0.0	0.0
408	4/11/2019	11:04:19	0.0	0.0	0.0	0.0
409	4/11/2019	11:04:49	0.0	0.0	0.0	0.0
410	4/11/2019	11:05:19	0.0	0.0	0.0	0.0
411	4/11/2019	11:05:49	0.0	0.0	0.0	0.0
412	4/11/2019	11:06:19	0.0	0.0	0.0	0.0
413	4/11/2019	11:06:49	0.0	0.0	0.0	0.0
414	4/11/2019	11:07:19	0.0	0.0	0.0	0.0
415	4/11/2019	11:07:49	0.0	0.0	0.0	0.0
416	4/11/2019	11:08:19	0.0	0.0	0.0	0.0
417	4/11/2019	11:08:49	0.0	0.0	0.0	0.0

418	4/11/2019	11:09:19	0.0	0.0	0.0	0.0
419	4/11/2019	11:09:49	0.0	0.0	0.0	0.0
420	4/11/2019	11:10:19	0.0	0.0	0.0	0.0
421	4/11/2019	11:10:49	0.0	0.0	0.0	0.0
422	4/11/2019	11:11:19	0.0	0.0	0.0	0.0
423	4/11/2019	11:11:49	0.0	0.0	0.0	0.0
424	4/11/2019	11:12:19	0.0	0.0	0.0	0.0
425	4/11/2019	11:12:49	0.0	0.0	0.0	0.0
426	4/11/2019	11:13:19	0.0	0.0	0.0	0.0
427	4/11/2019	11:13:49	0.0	0.0	0.0	0.0
428	4/11/2019	11:14:19	0.0	0.0	0.0	0.0
429	4/11/2019	11:14:49	0.0	0.0	0.0	0.0
430	4/11/2019	11:15:19	0.0	0.0	0.0	0.0
431	4/11/2019	11:15:49	0.0	0.0	0.0	0.0
432	4/11/2019	11:16:19	0.0	0.0	0.0	0.0
433	4/11/2019	11:16:49	0.0	0.0	0.0	0.0
434	4/11/2019	11:17:19	0.0	0.0	0.0	0.0
435	4/11/2019	11:17:49	0.0	0.0	0.0	0.0
436	4/11/2019	11:18:19	0.0	0.0	0.0	0.0
437	4/11/2019	11:18:49	0.0	0.0	0.0	0.0
438	4/11/2019	11:19:19	0.0	0.0	0.0	0.0
439	4/11/2019	11:19:49	0.0	0.0	0.0	0.0
440	4/11/2019	11:20:19	0.0	0.0	0.0	0.0
441	4/11/2019	11:20:49	0.0	0.0	0.0	0.0
442	4/11/2019	11:21:19	0.0	0.0	0.0	0.0
443	4/11/2019	11:21:49	0.0	0.0	0.0	0.0
444	4/11/2019	11:22:19	0.0	0.0	0.0	0.0
445	4/11/2019	11:22:49	0.0	0.0	0.0	0.0
446	4/11/2019	11:23:19	0.0	0.0	0.0	0.0
447	4/11/2019	11:23:49	0.0	0.0	0.0	0.0
448	4/11/2019	11:24:19	0.0	0.0	0.0	0.0
449	4/11/2019	11:24:49	0.0	0.0	0.0	0.0
450	4/11/2019	11:25:19	0.0	0.0	0.0	0.0
451	4/11/2019	11:25:49	0.0	0.0	0.0	0.0
452	4/11/2019	11:26:19	0.0	0.0	0.0	0.0
453	4/11/2019	11:26:49	0.0	0.0	0.0	0.0
454	4/11/2019	11:27:19	0.0	0.0	0.0	0.0
455	4/11/2019	11:27:49	0.0	0.0	0.0	0.0
456	4/11/2019	11:28:19	0.0	0.0	0.0	0.0
457	4/11/2019	11:28:49	0.0	0.0	0.0	0.0
458	4/11/2019	11:29:19	0.0	0.0	0.0	0.0
459	4/11/2019	11:29:49	0.0	0.0	0.0	0.0
460	4/11/2019	11:30:19	0.0	0.0	0.0	0.0
461	4/11/2019	11:30:49	0.0	0.0	0.0	0.0
462	4/11/2019	11:31:19	0.0	0.0	0.0	0.0
463	4/11/2019	11:31:49	0.0	0.0	0.0	0.0
464	4/11/2019	11:32:19	0.0	0.0	0.0	0.0
465	4/11/2019	11:32:49	0.0	0.0	0.0	0.0
466	4/11/2019	11:33:19	0.0	0.0	0.0	0.0
467	4/11/2019	11:33:49	0.0	0.0	0.0	0.0
468	4/11/2019	11:34:19	0.0	0.0	0.0	0.0
469	4/11/2019	11:34:49	0.0	0.0	0.0	0.0
470	4/11/2019	11:35:19	0.0	0.0	0.0	0.0
471	4/11/2019	11:35:49	0.0	0.0	0.0	0.0
472	4/11/2019	11:36:19	0.0	0.0	0.0	0.0
473	4/11/2019	11:36:49	0.0	0.0	0.0	0.0
474	4/11/2019	11:37:19	0.0	0.0	0.0	0.0

475	4/11/2019	11:37:49	0.0	0.0	0.0	0.0
476	4/11/2019	11:38:19	0.0	0.0	0.0	0.0
477	4/11/2019	11:38:49	0.0	0.0	0.0	0.0
478	4/11/2019	11:39:19	0.0	0.0	0.0	0.0
479	4/11/2019	11:39:49	0.0	0.0	0.0	0.0
480	4/11/2019	11:40:19	0.0	0.0	0.0	0.0
481	4/11/2019	11:40:49	0.0	0.0	0.0	0.0
482	4/11/2019	11:41:19	0.0	0.0	0.0	0.0
483	4/11/2019	11:41:49	0.0	0.0	0.0	0.0
484	4/11/2019	11:42:19	0.0	0.0	0.0	0.0
485	4/11/2019	11:42:49	0.0	0.0	0.0	0.0
486	4/11/2019	11:43:19	0.0	0.0	0.0	0.0
487	4/11/2019	11:43:49	0.0	0.0	0.0	0.0
488	4/11/2019	11:44:19	0.0	0.0	0.0	0.0
489	4/11/2019	11:44:49	0.0	0.0	0.0	0.0
490	4/11/2019	11:45:19	0.0	0.0	0.0	0.0
491	4/11/2019	11:45:49	0.0	0.0	0.0	0.0
492	4/11/2019	11:46:19	0.0	0.0	0.0	0.0
493	4/11/2019	11:46:49	0.0	0.0	0.0	0.0
494	4/11/2019	11:47:19	0.0	0.0	0.0	0.0
495	4/11/2019	11:47:49	0.0	0.0	0.0	0.0
496	4/11/2019	11:48:19	0.0	0.0	0.0	0.0
497	4/11/2019	11:48:49	0.0	0.0	0.0	0.0
498	4/11/2019	11:49:19	0.0	0.0	0.0	0.0
499	4/11/2019	11:49:49	0.0	0.0	0.0	0.0
500	4/11/2019	11:50:19	0.0	0.0	0.0	0.0
501	4/11/2019	11:50:49	0.0	0.0	0.0	0.0
502	4/11/2019	11:51:19	0.0	0.0	0.0	0.0
503	4/11/2019	11:51:49	0.0	0.0	0.0	0.0
504	4/11/2019	11:52:19	0.0	0.0	0.0	0.0
505	4/11/2019	11:52:49	0.0	0.0	0.0	0.0
506	4/11/2019	11:53:19	0.0	0.0	0.0	0.0
507	4/11/2019	11:53:49	0.0	0.0	0.0	0.0
508	4/11/2019	11:54:19	0.0	0.0	0.0	0.0
509	4/11/2019	11:54:49	0.0	0.0	0.0	0.0
510	4/11/2019	11:55:19	0.0	0.0	0.0	0.0
511	4/11/2019	11:55:49	0.0	0.0	0.0	0.0
512	4/11/2019	11:56:19	0.0	0.0	0.0	0.0
513	4/11/2019	11:56:49	0.0	0.0	0.0	0.0
514	4/11/2019	11:57:19	0.0	0.0	0.0	0.0
515	4/11/2019	11:57:49	0.0	0.0	0.0	0.0
516	4/11/2019	11:58:19	0.0	0.0	0.0	0.0
517	4/11/2019	11:58:49	0.0	0.0	0.0	0.0
518	4/11/2019	11:59:19	0.0	0.0	0.0	0.0
519	4/11/2019	11:59:49	0.0	0.0	0.0	0.0
520	4/11/2019	12:00:19	0.0	0.0	0.0	0.0
521	4/11/2019	12:00:49	0.0	0.0	0.0	0.0
522	4/11/2019	12:01:19	0.0	0.0	0.0	0.0
523	4/11/2019	12:01:49	0.0	0.0	0.0	0.0
524	4/11/2019	12:02:19	0.0	0.0	0.0	0.0
525	4/11/2019	12:02:49	0.0	0.0	0.0	0.0
526	4/11/2019	12:03:19	0.0	0.0	0.0	0.0
527	4/11/2019	12:03:49	0.0	0.0	0.0	0.0
528	4/11/2019	12:04:19	0.0	0.0	0.0	0.0
529	4/11/2019	12:04:49	0.0	0.0	0.0	0.0
530	4/11/2019	12:05:19	0.0	0.0	0.0	0.0
531	4/11/2019	12:05:49	0.0	0.0	0.0	0.0

532	4/11/2019	12:06:19	0.0	0.0	0.0	0.0
533	4/11/2019	12:06:49	0.0	0.0	0.0	0.0
534	4/11/2019	12:07:19	0.0	0.0	0.0	0.0
535	4/11/2019	12:07:49	0.0	0.0	0.0	0.0
536	4/11/2019	12:08:19	0.0	0.0	0.0	0.0
537	4/11/2019	12:08:49	0.0	0.0	0.0	0.0
538	4/11/2019	12:09:19	0.0	0.0	0.0	0.0
539	4/11/2019	12:09:49	0.0	0.0	0.0	0.0
540	4/11/2019	12:10:19	0.0	0.0	0.0	0.0
541	4/11/2019	12:10:49	0.0	0.0	0.0	0.0
542	4/11/2019	12:11:19	0.0	0.0	0.0	0.0
543	4/11/2019	12:11:49	0.0	0.0	0.0	0.0
544	4/11/2019	12:12:19	0.0	0.0	0.0	0.0
545	4/11/2019	12:12:49	0.0	0.0	0.0	0.0
546	4/11/2019	12:13:19	0.0	0.0	0.0	0.0
547	4/11/2019	12:13:49	0.0	0.0	0.0	0.0
548	4/11/2019	12:14:19	0.0	0.0	0.0	0.0
549	4/11/2019	12:14:49	0.0	0.0	0.0	0.0
550	4/11/2019	12:15:19	0.0	0.0	0.0	0.0
551	4/11/2019	12:15:49	0.0	0.0	0.0	0.0
552	4/11/2019	12:16:19	0.0	0.0	0.0	0.0
553	4/11/2019	12:16:49	0.0	0.0	0.0	0.0
554	4/11/2019	12:17:19	0.0	0.0	0.0	0.0
555	4/11/2019	12:17:49	0.0	0.0	0.0	0.0
556	4/11/2019	12:18:19	0.0	0.0	0.0	0.0
557	4/11/2019	12:18:49	0.0	0.0	0.0	0.0
558	4/11/2019	12:19:19	0.0	0.0	0.0	0.0
559	4/11/2019	12:19:49	0.0	0.0	0.0	0.0
560	4/11/2019	12:20:19	0.0	0.0	0.0	0.0
561	4/11/2019	12:20:49	0.0	0.0	0.0	0.0
562	4/11/2019	12:21:19	0.0	0.0	0.0	0.0
563	4/11/2019	12:21:49	0.0	0.0	0.0	0.0
564	4/11/2019	12:22:19	0.0	0.0	0.0	0.0
565	4/11/2019	12:22:49	0.0	0.0	0.0	0.0
566	4/11/2019	12:23:19	0.0	0.0	0.0	0.0
567	4/11/2019	12:23:49	0.0	0.0	0.0	0.0
568	4/11/2019	12:24:19	0.0	0.0	0.0	0.0
569	4/11/2019	12:24:49	0.0	0.0	0.0	0.0
570	4/11/2019	12:25:19	0.0	0.0	0.0	0.0
571	4/11/2019	12:25:49	0.0	0.0	0.0	0.0
572	4/11/2019	12:26:19	0.0	0.0	0.0	0.0
573	4/11/2019	12:26:49	0.0	0.0	0.0	0.0
574	4/11/2019	12:27:19	0.0	0.0	0.0	0.0
575	4/11/2019	12:27:49	0.0	0.0	0.0	0.0
576	4/11/2019	12:28:19	0.0	0.0	0.0	0.0
577	4/11/2019	12:28:49	0.0	0.0	0.0	0.0
578	4/11/2019	12:29:19	0.0	0.0	0.0	0.0
579	4/11/2019	12:29:49	0.0	0.0	0.0	0.0
Peak			0.0	0.0	0.2	0.0
Min			0.0	0.0	0.0	0.0
Average				0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
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372	4/11/2019 10:46:19	0.0	0.0
373	4/11/2019 10:46:49	0.0	0.0
374	4/11/2019 10:47:19	0.0	0.0
375	4/11/2019 10:47:49	0.0	0.0
376	4/11/2019 10:48:19	0.0	0.0
377	4/11/2019 10:48:49	0.0	0.0
378	4/11/2019 10:49:19	0.0	0.0
379	4/11/2019 10:49:49	0.0	0.0
380	4/11/2019 10:50:19	0.0	0.0
381	4/11/2019 10:50:49	0.0	0.0
382	4/11/2019 10:51:19	0.0	0.0
383	4/11/2019 10:51:49	0.0	0.0
384	4/11/2019 10:52:19	0.0	0.0
385	4/11/2019 10:52:49	0.0	0.0
386	4/11/2019 10:53:19	0.0	0.0
387	4/11/2019 10:53:49	0.0	0.0
388	4/11/2019 10:54:19	0.0	0.0
389	4/11/2019 10:54:49	0.0	0.0
390	4/11/2019 10:55:19	0.0	0.0
391	4/11/2019 10:55:49	0.0	0.0
392	4/11/2019 10:56:19	0.0	0.0
393	4/11/2019 10:56:49	0.0	0.0
394	4/11/2019 10:57:19	0.0	0.0
395	4/11/2019 10:57:49	0.0	0.0
396	4/11/2019 10:58:19	0.0	0.0
397	4/11/2019 10:58:49	0.0	0.0
398	4/11/2019 10:59:19	0.0	0.0
399	4/11/2019 10:59:49	0.0	0.0
400	4/11/2019 11:00:19	0.0	0.0

401	4/11/2019 11:00:49	0.0	0.0
402	4/11/2019 11:01:19	0.0	0.0
403	4/11/2019 11:01:49	0.0	0.0
404	4/11/2019 11:02:19	0.0	0.0
405	4/11/2019 11:02:49	0.0	0.0
406	4/11/2019 11:03:19	0.0	0.0
407	4/11/2019 11:03:49	0.0	0.0
408	4/11/2019 11:04:19	0.0	0.0
409	4/11/2019 11:04:49	0.0	0.0
410	4/11/2019 11:05:19	0.0	0.0
411	4/11/2019 11:05:49	0.0	0.0
412	4/11/2019 11:06:19	0.0	0.0
413	4/11/2019 11:06:49	0.0	0.0
414	4/11/2019 11:07:19	0.0	0.0
415	4/11/2019 11:07:49	0.0	0.0
416	4/11/2019 11:08:19	0.0	0.0
417	4/11/2019 11:08:49	0.0	0.0
418	4/11/2019 11:09:19	0.0	0.0
419	4/11/2019 11:09:49	0.0	0.0
420	4/11/2019 11:10:19	0.0	0.0
421	4/11/2019 11:10:49	0.0	0.0
422	4/11/2019 11:11:19	0.0	0.0
423	4/11/2019 11:11:49	0.0	0.0
424	4/11/2019 11:12:19	0.0	0.0
425	4/11/2019 11:12:49	0.0	0.0
426	4/11/2019 11:13:19	0.0	0.0
427	4/11/2019 11:13:49	0.0	0.0
428	4/11/2019 11:14:19	0.0	0.0
429	4/11/2019 11:14:49	0.0	0.0
430	4/11/2019 11:15:19	0.0	0.0
431	4/11/2019 11:15:49	0.0	0.0
432	4/11/2019 11:16:19	0.0	0.0
433	4/11/2019 11:16:49	0.0	0.0
434	4/11/2019 11:17:19	0.0	0.0
435	4/11/2019 11:17:49	0.0	0.0
436	4/11/2019 11:18:19	0.0	0.0
437	4/11/2019 11:18:49	0.0	0.0
438	4/11/2019 11:19:19	0.0	0.0
439	4/11/2019 11:19:49	0.0	0.0
440	4/11/2019 11:20:19	0.0	0.0
441	4/11/2019 11:20:49	0.0	0.0
442	4/11/2019 11:21:19	0.0	0.0
443	4/11/2019 11:21:49	0.0	0.0
444	4/11/2019 11:22:19	0.0	0.0
445	4/11/2019 11:22:49	0.0	0.0
446	4/11/2019 11:23:19	0.0	0.0
447	4/11/2019 11:23:49	0.0	0.0
448	4/11/2019 11:24:19	0.0	0.0
449	4/11/2019 11:24:49	0.0	0.0
450	4/11/2019 11:25:19	0.0	0.0
451	4/11/2019 11:25:49	0.0	0.0
452	4/11/2019 11:26:19	0.0	0.0
453	4/11/2019 11:26:49	0.0	0.0
454	4/11/2019 11:27:19	0.0	0.0
455	4/11/2019 11:27:49	0.0	0.0
456	4/11/2019 11:28:19	0.0	0.0
457	4/11/2019 11:28:49	0.0	0.0

458	4/11/2019 11:29:19	0.0	0.0
459	4/11/2019 11:29:49	0.0	0.0
460	4/11/2019 11:30:19	0.0	0.0
461	4/11/2019 11:30:49	0.0	0.0
462	4/11/2019 11:31:19	0.0	0.0
463	4/11/2019 11:31:49	0.0	0.0
464	4/11/2019 11:32:19	0.0	0.0
465	4/11/2019 11:32:49	0.0	0.0
466	4/11/2019 11:33:19	0.0	0.0
467	4/11/2019 11:33:49	0.0	0.0
468	4/11/2019 11:34:19	0.0	0.0
469	4/11/2019 11:34:49	0.0	0.0
470	4/11/2019 11:35:19	0.0	0.0
471	4/11/2019 11:35:49	0.0	0.0
472	4/11/2019 11:36:19	0.0	0.0
473	4/11/2019 11:36:49	0.0	0.0
474	4/11/2019 11:37:19	0.0	0.0
475	4/11/2019 11:37:49	0.0	0.0
476	4/11/2019 11:38:19	0.0	0.0
477	4/11/2019 11:38:49	0.0	0.0
478	4/11/2019 11:39:19	0.0	0.0
479	4/11/2019 11:39:49	0.0	0.0
480	4/11/2019 11:40:19	0.0	0.0
481	4/11/2019 11:40:49	0.0	0.0
482	4/11/2019 11:41:19	0.0	0.0
483	4/11/2019 11:41:49	0.0	0.0
484	4/11/2019 11:42:19	0.0	0.0
485	4/11/2019 11:42:49	0.0	0.0
486	4/11/2019 11:43:19	0.0	0.0
487	4/11/2019 11:43:49	0.0	0.0
488	4/11/2019 11:44:19	0.0	0.0
489	4/11/2019 11:44:49	0.0	0.0
490	4/11/2019 11:45:19	0.0	0.0
491	4/11/2019 11:45:49	0.0	0.0
492	4/11/2019 11:46:19	0.0	0.0
493	4/11/2019 11:46:49	0.0	0.0
494	4/11/2019 11:47:19	0.0	0.0
495	4/11/2019 11:47:49	0.0	0.0
496	4/11/2019 11:48:19	0.0	0.0
497	4/11/2019 11:48:49	0.0	0.0
498	4/11/2019 11:49:19	0.0	0.0
499	4/11/2019 11:49:49	0.0	0.0
500	4/11/2019 11:50:19	0.0	0.0
501	4/11/2019 11:50:49	0.0	0.0
502	4/11/2019 11:51:19	0.0	0.0
503	4/11/2019 11:51:49	0.0	0.0
504	4/11/2019 11:52:19	0.0	0.0
505	4/11/2019 11:52:49	0.0	0.0
506	4/11/2019 11:53:19	0.0	0.0
507	4/11/2019 11:53:49	0.0	0.0
508	4/11/2019 11:54:19	0.0	0.0
509	4/11/2019 11:54:49	0.0	0.0
510	4/11/2019 11:55:19	0.0	0.0
511	4/11/2019 11:55:49	0.0	0.0
512	4/11/2019 11:56:19	0.0	0.0
513	4/11/2019 11:56:49	0.0	0.0
514	4/11/2019 11:57:19	0.0	0.0

515	4/11/2019 11:57:49	0.0	0.0
516	4/11/2019 11:58:19	0.0	0.0
517	4/11/2019 11:58:49	0.0	0.0
518	4/11/2019 11:59:19	0.0	0.0
519	4/11/2019 11:59:49	0.0	0.0
520	4/11/2019 12:00:19	0.0	0.0
521	4/11/2019 12:00:49	0.0	0.0
522	4/11/2019 12:01:19	0.0	0.0
523	4/11/2019 12:01:49	0.0	0.0
524	4/11/2019 12:02:19	0.0	0.0
525	4/11/2019 12:02:49	0.0	0.0
526	4/11/2019 12:03:19	0.0	0.0
527	4/11/2019 12:03:49	0.0	0.0
528	4/11/2019 12:04:19	0.0	0.0
529	4/11/2019 12:04:49	0.0	0.0
530	4/11/2019 12:05:19	0.0	0.0
531	4/11/2019 12:05:49	0.0	0.0
532	4/11/2019 12:06:19	0.0	0.0
533	4/11/2019 12:06:49	0.0	0.0
534	4/11/2019 12:07:19	0.0	0.0
535	4/11/2019 12:07:49	0.0	0.0
536	4/11/2019 12:08:19	0.0	0.0
537	4/11/2019 12:08:49	0.0	0.0
538	4/11/2019 12:09:19	0.0	0.0
539	4/11/2019 12:09:49	0.0	0.0
540	4/11/2019 12:10:19	0.0	0.0
541	4/11/2019 12:10:49	0.0	0.0
542	4/11/2019 12:11:19	0.0	0.0
543	4/11/2019 12:11:49	0.0	0.0
544	4/11/2019 12:12:19	0.0	0.0
545	4/11/2019 12:12:49	0.0	0.0
546	4/11/2019 12:13:19	0.0	0.0
547	4/11/2019 12:13:49	0.0	0.0
548	4/11/2019 12:14:19	0.0	0.0
549	4/11/2019 12:14:49	0.0	0.0
550	4/11/2019 12:15:19	0.0	0.0
551	4/11/2019 12:15:49	0.0	0.0
552	4/11/2019 12:16:19	0.0	0.0
553	4/11/2019 12:16:49	0.0	0.0
554	4/11/2019 12:17:19	0.0	0.0
555	4/11/2019 12:17:49	0.0	0.0
556	4/11/2019 12:18:19	0.0	0.0
557	4/11/2019 12:18:49	0.0	0.0
558	4/11/2019 12:19:19	0.0	0.0
559	4/11/2019 12:19:49	0.0	0.0
560	4/11/2019 12:20:19	0.0	0.0
561	4/11/2019 12:20:49	0.0	0.0
562	4/11/2019 12:21:19	0.0	0.0
563	4/11/2019 12:21:49	0.0	0.0
564	4/11/2019 12:22:19	0.0	0.0
565	4/11/2019 12:22:49	0.0	0.0
566	4/11/2019 12:23:19	0.0	0.0
567	4/11/2019 12:23:49	0.0	0.0
568	4/11/2019 12:24:19	0.0	0.0
569	4/11/2019 12:24:49	0.0	0.0
570	4/11/2019 12:25:19	0.0	0.0
571	4/11/2019 12:25:49	0.0	0.0

572 4/11/2019 12:26:19 0.0 0.0
573 4/11/2019 12:26:49 0.0 0.0
574 4/11/2019 12:27:19 0.0 0.0
575 4/11/2019 12:27:49 0.0 0.0
576 4/11/2019 12:28:19 0.0 0.0
577 4/11/2019 12:28:49 0.0 0.0
578 4/11/2019 12:29:19 0.0 0.0
579 4/11/2019 12:29:49 0.0 0.0

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19/04/12 07:44

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin 4/12/2019 07:44:05
End 4/12/2019 07:44:29
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/11/2019 07:35

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Datalog

0 record.

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19/04/12 08:48

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin 4/12/2019 08:48:55
End 4/12/2019 11:47:23
Sample Period(s) 30
Number of Records 356

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/11/2019 07:35
Peak 0.3
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/12/2019 08:49:25	0.0	0.0	0.0	0.0
002	4/12/2019 08:49:55	0.0	0.0	0.0	0.0
003	4/12/2019 08:50:25	0.0	0.0	0.0	0.0
004	4/12/2019 08:50:55	0.0	0.0	0.0	0.0
005	4/12/2019 08:51:25	0.0	0.0	0.0	0.0
006	4/12/2019 08:51:55	0.0	0.0	0.0	0.0
007	4/12/2019 08:52:25	0.0	0.0	0.0	0.0
008	4/12/2019 08:52:55	0.0	0.0	0.0	0.0
009	4/12/2019 08:53:25	0.0	0.0	0.0	0.0
010	4/12/2019 08:53:55	0.0	0.0	0.0	0.0
011	4/12/2019 08:54:25	0.0	0.0	0.0	0.0
012	4/12/2019 08:54:55	0.0	0.0	0.0	0.0
013	4/12/2019 08:55:25	0.0	0.0	0.0	0.0
014	4/12/2019 08:55:55	0.0	0.0	0.0	0.0
015	4/12/2019 08:56:25	0.0	0.0	0.0	0.0
016	4/12/2019 08:56:55	0.0	0.0	0.0	0.0
017	4/12/2019 08:57:25	0.0	0.0	0.0	0.0
018	4/12/2019 08:57:55	0.0	0.0	0.0	0.0
019	4/12/2019 08:58:25	0.0	0.0	0.0	0.0
020	4/12/2019 08:58:55	0.0	0.0	0.0	0.0
021	4/12/2019 08:59:25	0.0	0.0	0.0	0.0
022	4/12/2019 08:59:55	0.0	0.0	0.0	0.0
023	4/12/2019 09:00:25	0.0	0.0	0.0	0.0
024	4/12/2019 09:00:55	0.0	0.0	0.0	0.0

025	4/12/2019 09:01:25	0.0	0.0	0.0	0.0
026	4/12/2019 09:01:55	0.0	0.0	0.0	0.0
027	4/12/2019 09:02:25	0.0	0.0	0.0	0.0
028	4/12/2019 09:02:55	0.0	0.0	0.0	0.0
029	4/12/2019 09:03:25	0.0	0.0	0.0	0.0
030	4/12/2019 09:03:55	0.0	0.0	0.0	0.0
031	4/12/2019 09:04:25	0.0	0.0	0.0	0.0
032	4/12/2019 09:04:55	0.0	0.0	0.0	0.0
033	4/12/2019 09:05:25	0.0	0.0	0.0	0.0
034	4/12/2019 09:05:55	0.0	0.0	0.0	0.0
035	4/12/2019 09:06:25	0.0	0.0	0.0	0.0
036	4/12/2019 09:06:55	0.0	0.0	0.0	0.0
037	4/12/2019 09:07:25	0.0	0.0	0.0	0.0
038	4/12/2019 09:07:55	0.0	0.0	0.0	0.0
039	4/12/2019 09:08:25	0.0	0.0	0.0	0.0
040	4/12/2019 09:08:55	0.0	0.0	0.0	0.0
041	4/12/2019 09:09:25	0.0	0.0	0.0	0.0
042	4/12/2019 09:09:55	0.0	0.0	0.0	0.0
043	4/12/2019 09:10:25	0.0	0.0	0.0	0.0
044	4/12/2019 09:10:55	0.0	0.0	0.0	0.0
045	4/12/2019 09:11:25	0.0	0.0	0.0	0.0
046	4/12/2019 09:11:55	0.0	0.0	0.0	0.0
047	4/12/2019 09:12:25	0.0	0.0	0.0	0.0
048	4/12/2019 09:12:55	0.0	0.0	0.0	0.0
049	4/12/2019 09:13:25	0.0	0.0	0.0	0.0
050	4/12/2019 09:13:55	0.0	0.0	0.0	0.0
051	4/12/2019 09:14:25	0.0	0.0	0.0	0.0
052	4/12/2019 09:14:55	0.0	0.0	0.0	0.0
053	4/12/2019 09:15:25	0.0	0.0	0.0	0.0
054	4/12/2019 09:15:55	0.0	0.0	0.0	0.0
055	4/12/2019 09:16:25	0.0	0.0	0.0	0.0
056	4/12/2019 09:16:55	0.0	0.0	0.0	0.0
057	4/12/2019 09:17:25	0.0	0.0	0.0	0.0
058	4/12/2019 09:17:55	0.0	0.0	0.0	0.0
059	4/12/2019 09:18:25	0.0	0.0	0.0	0.0
060	4/12/2019 09:18:55	0.0	0.0	0.0	0.0
061	4/12/2019 09:19:25	0.0	0.0	0.0	0.0
062	4/12/2019 09:19:55	0.0	0.0	0.0	0.0
063	4/12/2019 09:20:25	0.0	0.0	0.0	0.0
064	4/12/2019 09:20:55	0.0	0.0	0.0	0.0
065	4/12/2019 09:21:25	0.0	0.0	0.0	0.0
066	4/12/2019 09:21:55	0.0	0.0	0.0	0.0
067	4/12/2019 09:22:25	0.0	0.0	0.0	0.0
068	4/12/2019 09:22:55	0.0	0.0	0.0	0.0
069	4/12/2019 09:23:25	0.0	0.0	0.0	0.0
070	4/12/2019 09:23:55	0.0	0.0	0.0	0.0
071	4/12/2019 09:24:25	0.0	0.0	0.0	0.0
072	4/12/2019 09:24:55	0.0	0.0	0.0	0.0
073	4/12/2019 09:25:25	0.0	0.0	0.0	0.0
074	4/12/2019 09:25:55	0.0	0.0	0.0	0.0
075	4/12/2019 09:26:25	0.0	0.0	0.0	0.0
076	4/12/2019 09:26:55	0.0	0.0	0.0	0.0
077	4/12/2019 09:27:25	0.0	0.0	0.0	0.0
078	4/12/2019 09:27:55	0.0	0.0	0.0	0.0
079	4/12/2019 09:28:25	0.0	0.0	0.0	0.0
080	4/12/2019 09:28:55	0.0	0.0	0.0	0.0
081	4/12/2019 09:29:25	0.0	0.0	0.0	0.0

082	4/12/2019 09:29:55	0.0	0.0	0.0	0.0
083	4/12/2019 09:30:25	0.0	0.0	0.0	0.0
084	4/12/2019 09:30:55	0.0	0.0	0.0	0.0
085	4/12/2019 09:31:25	0.0	0.0	0.0	0.0
086	4/12/2019 09:31:55	0.0	0.0	0.0	0.0
087	4/12/2019 09:32:25	0.0	0.0	0.0	0.0
088	4/12/2019 09:32:55	0.0	0.0	0.0	0.0
089	4/12/2019 09:33:25	0.0	0.0	0.0	0.0
090	4/12/2019 09:33:55	0.0	0.0	0.0	0.0
091	4/12/2019 09:34:25	0.0	0.0	0.0	0.0
092	4/12/2019 09:34:55	0.0	0.0	0.0	0.0
093	4/12/2019 09:35:25	0.0	0.0	0.0	0.0
094	4/12/2019 09:35:55	0.0	0.0	0.0	0.0
095	4/12/2019 09:36:25	0.0	0.0	0.0	0.0
096	4/12/2019 09:36:55	0.0	0.0	0.0	0.0
097	4/12/2019 09:37:25	0.0	0.0	0.0	0.0
098	4/12/2019 09:37:55	0.0	0.0	0.0	0.0
099	4/12/2019 09:38:25	0.0	0.0	0.0	0.0
100	4/12/2019 09:38:55	0.0	0.0	0.0	0.0
101	4/12/2019 09:39:25	0.0	0.0	0.0	0.0
102	4/12/2019 09:39:55	0.0	0.0	0.0	0.0
103	4/12/2019 09:40:25	0.0	0.0	0.0	0.0
104	4/12/2019 09:40:55	0.0	0.0	0.0	0.0
105	4/12/2019 09:41:25	0.0	0.0	0.0	0.0
106	4/12/2019 09:41:55	0.0	0.0	0.0	0.0
107	4/12/2019 09:42:25	0.0	0.0	0.0	0.0
108	4/12/2019 09:42:55	0.0	0.0	0.0	0.0
109	4/12/2019 09:43:25	0.0	0.0	0.0	0.0
110	4/12/2019 09:43:55	0.0	0.0	0.0	0.0
111	4/12/2019 09:44:25	0.0	0.0	0.0	0.0
112	4/12/2019 09:44:55	0.0	0.0	0.1	0.0
113	4/12/2019 09:45:25	0.0	0.0	0.0	0.0
114	4/12/2019 09:45:55	0.0	0.0	0.0	0.0
115	4/12/2019 09:46:25	0.0	0.0	0.0	0.0
116	4/12/2019 09:46:55	0.0	0.0	0.0	0.0
117	4/12/2019 09:47:25	0.0	0.0	0.0	0.0
118	4/12/2019 09:47:55	0.0	0.0	0.0	0.0
119	4/12/2019 09:48:25	0.0	0.0	0.0	0.0
120	4/12/2019 09:48:55	0.0	0.0	0.0	0.0
121	4/12/2019 09:49:25	0.0	0.0	0.0	0.0
122	4/12/2019 09:49:55	0.0	0.0	0.0	0.0
123	4/12/2019 09:50:25	0.0	0.0	0.0	0.0
124	4/12/2019 09:50:55	0.0	0.0	0.0	0.0
125	4/12/2019 09:51:25	0.0	0.0	0.0	0.0
126	4/12/2019 09:51:55	0.0	0.0	0.0	0.0
127	4/12/2019 09:52:25	0.0	0.0	0.0	0.0
128	4/12/2019 09:52:55	0.0	0.0	0.0	0.0
129	4/12/2019 09:53:25	0.0	0.0	0.0	0.0
130	4/12/2019 09:53:55	0.0	0.0	0.0	0.0
131	4/12/2019 09:54:25	0.0	0.0	0.0	0.0
132	4/12/2019 09:54:55	0.0	0.0	0.0	0.0
133	4/12/2019 09:55:25	0.0	0.0	0.0	0.0
134	4/12/2019 09:55:55	0.0	0.0	0.0	0.0
135	4/12/2019 09:56:25	0.0	0.0	0.0	0.0
136	4/12/2019 09:56:55	0.0	0.0	0.0	0.0
137	4/12/2019 09:57:25	0.0	0.0	0.0	0.0
138	4/12/2019 09:57:55	0.0	0.0	0.0	0.0

139	4/12/2019	09:58:25	0.0	0.0	0.0	0.0
140	4/12/2019	09:58:55	0.0	0.0	0.0	0.0
141	4/12/2019	09:59:25	0.0	0.0	0.0	0.0
142	4/12/2019	09:59:55	0.0	0.0	0.0	0.0
143	4/12/2019	10:00:25	0.0	0.0	0.0	0.0
144	4/12/2019	10:00:55	0.0	0.0	0.0	0.0
145	4/12/2019	10:01:25	0.0	0.0	0.0	0.0
146	4/12/2019	10:01:55	0.0	0.0	0.0	0.0
147	4/12/2019	10:02:25	0.0	0.0	0.0	0.0
148	4/12/2019	10:02:55	0.0	0.0	0.0	0.0
149	4/12/2019	10:03:25	0.0	0.0	0.0	0.0
150	4/12/2019	10:03:55	0.0	0.0	0.0	0.0
151	4/12/2019	10:04:25	0.0	0.0	0.0	0.0
152	4/12/2019	10:04:55	0.0	0.0	0.0	0.0
153	4/12/2019	10:05:25	0.0	0.0	0.0	0.0
154	4/12/2019	10:05:55	0.0	0.0	0.0	0.0
155	4/12/2019	10:06:25	0.0	0.0	0.0	0.0
156	4/12/2019	10:06:55	0.0	0.0	0.0	0.0
157	4/12/2019	10:07:25	0.0	0.0	0.0	0.0
158	4/12/2019	10:07:55	0.0	0.0	0.0	0.0
159	4/12/2019	10:08:25	0.0	0.0	0.0	0.0
160	4/12/2019	10:08:55	0.0	0.0	0.0	0.0
161	4/12/2019	10:09:25	0.0	0.0	0.0	0.0
162	4/12/2019	10:09:55	0.0	0.0	0.0	0.0
163	4/12/2019	10:10:25	0.0	0.0	0.0	0.0
164	4/12/2019	10:10:55	0.0	0.0	0.0	0.0
165	4/12/2019	10:11:25	0.0	0.0	0.0	0.0
166	4/12/2019	10:11:55	0.0	0.0	0.0	0.0
167	4/12/2019	10:12:25	0.0	0.0	0.0	0.0
168	4/12/2019	10:12:55	0.0	0.0	0.0	0.0
169	4/12/2019	10:13:25	0.0	0.0	0.0	0.0
170	4/12/2019	10:13:55	0.0	0.0	0.1	0.1
171	4/12/2019	10:14:25	0.0	0.0	0.1	0.0
172	4/12/2019	10:14:55	0.0	0.0	0.0	0.0
173	4/12/2019	10:15:25	0.0	0.0	0.0	0.0
174	4/12/2019	10:15:55	0.0	0.0	0.0	0.0
175	4/12/2019	10:16:25	0.0	0.0	0.0	0.0
176	4/12/2019	10:16:55	0.0	0.0	0.0	0.0
177	4/12/2019	10:17:25	0.0	0.0	0.0	0.0
178	4/12/2019	10:17:55	0.0	0.0	0.0	0.0
179	4/12/2019	10:18:25	0.0	0.0	0.0	0.0
180	4/12/2019	10:18:55	0.0	0.0	0.0	0.0
181	4/12/2019	10:19:25	0.0	0.0	0.0	0.0
182	4/12/2019	10:19:55	0.0	0.0	0.0	0.0
183	4/12/2019	10:20:25	0.0	0.0	0.0	0.0
184	4/12/2019	10:20:55	0.0	0.0	0.0	0.0
185	4/12/2019	10:21:25	0.0	0.0	0.0	0.0
186	4/12/2019	10:21:55	0.0	0.0	0.0	0.0
187	4/12/2019	10:22:25	0.0	0.0	0.0	0.0
188	4/12/2019	10:22:55	0.0	0.0	0.0	0.0
189	4/12/2019	10:23:25	0.0	0.0	0.0	0.0
190	4/12/2019	10:23:55	0.0	0.0	0.0	0.0
191	4/12/2019	10:24:25	0.0	0.0	0.0	0.0
192	4/12/2019	10:24:55	0.0	0.0	0.0	0.0
193	4/12/2019	10:25:25	0.0	0.0	0.0	0.0
194	4/12/2019	10:25:55	0.0	0.0	0.0	0.0
195	4/12/2019	10:26:25	0.0	0.0	0.0	0.0

196	4/12/2019	10:26:55	0.0	0.0	0.0	0.0
197	4/12/2019	10:27:25	0.0	0.0	0.0	0.0
198	4/12/2019	10:27:55	0.0	0.0	0.0	0.0
199	4/12/2019	10:28:25	0.0	0.0	0.0	0.0
200	4/12/2019	10:28:55	0.0	0.0	0.0	0.0
201	4/12/2019	10:29:25	0.0	0.0	0.0	0.0
202	4/12/2019	10:29:55	0.0	0.0	0.0	0.0
203	4/12/2019	10:30:25	0.0	0.0	0.0	0.0
204	4/12/2019	10:30:55	0.0	0.0	0.0	0.0
205	4/12/2019	10:31:25	0.0	0.0	0.0	0.0
206	4/12/2019	10:31:55	0.0	0.0	0.0	0.0
207	4/12/2019	10:32:25	0.0	0.0	0.0	0.0
208	4/12/2019	10:32:55	0.0	0.0	0.0	0.0
209	4/12/2019	10:33:25	0.0	0.0	0.0	0.0
210	4/12/2019	10:33:55	0.0	0.0	0.1	0.0
211	4/12/2019	10:34:25	0.0	0.0	0.0	0.0
212	4/12/2019	10:34:55	0.0	0.0	0.0	0.0
213	4/12/2019	10:35:25	0.0	0.0	0.0	0.0
214	4/12/2019	10:35:55	0.0	0.0	0.0	0.0
215	4/12/2019	10:36:25	0.0	0.0	0.0	0.0
216	4/12/2019	10:36:55	0.0	0.0	0.0	0.0
217	4/12/2019	10:37:25	0.0	0.0	0.1	0.0
218	4/12/2019	10:37:55	0.0	0.0	0.0	0.0
219	4/12/2019	10:38:25	0.0	0.0	0.0	0.0
220	4/12/2019	10:38:55	0.0	0.0	0.0	0.0
221	4/12/2019	10:39:25	0.0	0.0	0.0	0.0
222	4/12/2019	10:39:55	0.0	0.0	0.0	0.0
223	4/12/2019	10:40:25	0.0	0.0	0.0	0.0
224	4/12/2019	10:40:55	0.0	0.0	0.0	0.0
225	4/12/2019	10:41:25	0.0	0.0	0.0	0.0
226	4/12/2019	10:41:55	0.0	0.0	0.0	0.0
227	4/12/2019	10:42:25	0.0	0.0	0.0	0.0
228	4/12/2019	10:42:55	0.0	0.0	0.0	0.0
229	4/12/2019	10:43:25	0.0	0.0	0.0	0.0
230	4/12/2019	10:43:55	0.0	0.0	0.0	0.0
231	4/12/2019	10:44:25	0.0	0.0	0.0	0.0
232	4/12/2019	10:44:55	0.0	0.0	0.0	0.0
233	4/12/2019	10:45:25	0.0	0.0	0.0	0.0
234	4/12/2019	10:45:55	0.0	0.0	0.0	0.0
235	4/12/2019	10:46:25	0.0	0.0	0.0	0.0
236	4/12/2019	10:46:55	0.0	0.0	0.0	0.0
237	4/12/2019	10:47:25	0.0	0.0	0.0	0.0
238	4/12/2019	10:47:55	0.0	0.0	0.0	0.0
239	4/12/2019	10:48:25	0.0	0.0	0.0	0.0
240	4/12/2019	10:48:55	0.0	0.0	0.0	0.0
241	4/12/2019	10:49:25	0.0	0.0	0.0	0.0
242	4/12/2019	10:49:55	0.0	0.0	0.0	0.0
243	4/12/2019	10:50:25	0.0	0.0	0.0	0.0
244	4/12/2019	10:50:55	0.0	0.0	0.0	0.0
245	4/12/2019	10:51:25	0.0	0.0	0.0	0.0
246	4/12/2019	10:51:55	0.0	0.0	0.0	0.0
247	4/12/2019	10:52:25	0.0	0.0	0.0	0.0
248	4/12/2019	10:52:55	0.0	0.0	0.0	0.0
249	4/12/2019	10:53:25	0.0	0.0	0.1	0.0
250	4/12/2019	10:53:55	0.0	0.0	0.1	0.0
251	4/12/2019	10:54:25	0.0	0.0	0.0	0.0
252	4/12/2019	10:54:55	0.0	0.1	0.1	0.1

253	4/12/2019	10:55:25	0.1	0.1	0.1	0.1
254	4/12/2019	10:55:55	0.0	0.0	0.1	0.1
255	4/12/2019	10:56:25	0.1	0.1	0.1	0.1
256	4/12/2019	10:56:55	0.1	0.2	0.3	0.1
257	4/12/2019	10:57:25	0.1	0.1	0.1	0.1
258	4/12/2019	10:57:55	0.0	0.1	0.1	0.1
259	4/12/2019	10:58:25	0.0	0.1	0.1	0.0
260	4/12/2019	10:58:55	0.0	0.0	0.0	0.0
261	4/12/2019	10:59:25	0.0	0.0	0.0	0.0
262	4/12/2019	10:59:55	0.0	0.0	0.0	0.0
263	4/12/2019	11:00:25	0.0	0.0	0.0	0.0
264	4/12/2019	11:00:55	0.0	0.0	0.0	0.0
265	4/12/2019	11:01:25	0.0	0.0	0.0	0.0
266	4/12/2019	11:01:55	0.0	0.0	0.0	0.0
267	4/12/2019	11:02:25	0.0	0.0	0.0	0.0
268	4/12/2019	11:02:55	0.0	0.0	0.0	0.0
269	4/12/2019	11:03:25	0.0	0.0	0.0	0.0
270	4/12/2019	11:03:55	0.0	0.0	0.0	0.0
271	4/12/2019	11:04:25	0.0	0.0	0.0	0.0
272	4/12/2019	11:04:55	0.0	0.0	0.0	0.0
273	4/12/2019	11:05:25	0.0	0.0	0.0	0.0
274	4/12/2019	11:05:55	0.0	0.0	0.0	0.0
275	4/12/2019	11:06:25	0.0	0.0	0.1	0.0
276	4/12/2019	11:06:55	0.0	0.0	0.0	0.0
277	4/12/2019	11:07:25	0.0	0.0	0.0	0.0
278	4/12/2019	11:07:55	0.0	0.0	0.0	0.0
279	4/12/2019	11:08:25	0.0	0.0	0.0	0.0
280	4/12/2019	11:08:55	0.0	0.0	0.1	0.0
281	4/12/2019	11:09:25	0.0	0.1	0.1	0.1
282	4/12/2019	11:09:55	0.0	0.0	0.1	0.0
283	4/12/2019	11:10:25	0.0	0.0	0.0	0.0
284	4/12/2019	11:10:55	0.0	0.0	0.0	0.0
285	4/12/2019	11:11:25	0.0	0.0	0.0	0.0
286	4/12/2019	11:11:55	0.0	0.0	0.0	0.0
287	4/12/2019	11:12:25	0.0	0.0	0.0	0.0
288	4/12/2019	11:12:55	0.0	0.0	0.0	0.0
289	4/12/2019	11:13:25	0.0	0.0	0.1	0.1
290	4/12/2019	11:13:55	0.1	0.1	0.1	0.1
291	4/12/2019	11:14:25	0.1	0.1	0.1	0.1
292	4/12/2019	11:14:55	0.0	0.0	0.1	0.1
293	4/12/2019	11:15:25	0.1	0.1	0.1	0.1
294	4/12/2019	11:15:55	0.1	0.1	0.1	0.1
295	4/12/2019	11:16:25	0.0	0.1	0.1	0.1
296	4/12/2019	11:16:55	0.1	0.1	0.1	0.1
297	4/12/2019	11:17:25	0.1	0.1	0.1	0.1
298	4/12/2019	11:17:55	0.0	0.1	0.1	0.0
299	4/12/2019	11:18:25	0.0	0.1	0.1	0.0
300	4/12/2019	11:18:55	0.0	0.0	0.0	0.0
301	4/12/2019	11:19:25	0.0	0.1	0.1	0.1
302	4/12/2019	11:19:55	0.0	0.0	0.1	0.0
303	4/12/2019	11:20:25	0.0	0.0	0.0	0.0
304	4/12/2019	11:20:55	0.0	0.0	0.1	0.0
305	4/12/2019	11:21:25	0.0	0.0	0.0	0.0
306	4/12/2019	11:21:55	0.0	0.0	0.1	0.0
307	4/12/2019	11:22:25	0.0	0.0	0.1	0.1
308	4/12/2019	11:22:55	0.0	0.0	0.1	0.1
309	4/12/2019	11:23:25	0.1	0.1	0.1	0.1

310	4/12/2019	11:23:55	0.0	0.1	0.1	0.0
311	4/12/2019	11:24:25	0.0	0.1	0.1	0.1
312	4/12/2019	11:24:55	0.1	0.1	0.1	0.1
313	4/12/2019	11:25:25	0.1	0.1	0.1	0.1
314	4/12/2019	11:25:55	0.1	0.1	0.1	0.1
315	4/12/2019	11:26:25	0.1	0.1	0.1	0.1
316	4/12/2019	11:26:55	0.1	0.1	0.1	0.1
317	4/12/2019	11:27:25	0.1	0.1	0.1	0.1
318	4/12/2019	11:27:55	0.1	0.1	0.2	0.1
319	4/12/2019	11:28:25	0.1	0.1	0.1	0.1
320	4/12/2019	11:28:55	0.1	0.1	0.1	0.1
321	4/12/2019	11:29:25	0.1	0.1	0.1	0.1
322	4/12/2019	11:29:55	0.1	0.1	0.1	0.1
323	4/12/2019	11:30:25	0.1	0.1	0.1	0.1
324	4/12/2019	11:30:55	0.1	0.1	0.1	0.1
325	4/12/2019	11:31:25	0.1	0.1	0.2	0.2
326	4/12/2019	11:31:55	0.1	0.2	0.2	0.1
327	4/12/2019	11:32:25	0.2	0.2	0.2	0.2
328	4/12/2019	11:32:55	0.1	0.2	0.2	0.1
329	4/12/2019	11:33:25	0.1	0.1	0.1	0.1
330	4/12/2019	11:33:55	0.1	0.1	0.1	0.1
331	4/12/2019	11:34:25	0.1	0.1	0.1	0.1
332	4/12/2019	11:34:55	0.1	0.1	0.2	0.1
333	4/12/2019	11:35:25	0.1	0.1	0.1	0.1
334	4/12/2019	11:35:55	0.1	0.2	0.2	0.2
335	4/12/2019	11:36:25	0.2	0.3	0.4	0.3
336	4/12/2019	11:36:55	0.2	0.2	0.3	0.2
337	4/12/2019	11:37:25	0.2	0.2	0.3	0.2
338	4/12/2019	11:37:55	0.2	0.3	0.4	0.3
339	4/12/2019	11:38:25	0.2	0.2	0.3	0.3
340	4/12/2019	11:38:55	0.2	0.3	0.3	0.2
341	4/12/2019	11:39:25	0.1	0.2	0.2	0.2
342	4/12/2019	11:39:55	0.2	0.4	0.5	0.3
343	4/12/2019	11:40:25	0.2	0.2	0.3	0.3
344	4/12/2019	11:40:55	0.2	0.3	0.3	0.2
345	4/12/2019	11:41:25	0.2	0.2	0.2	0.2
346	4/12/2019	11:41:55	0.1	0.2	0.2	0.1
347	4/12/2019	11:42:25	0.1	0.2	0.2	0.2
348	4/12/2019	11:42:55	0.2	0.2	0.2	0.2
349	4/12/2019	11:43:25	0.2	0.2	0.3	0.2
350	4/12/2019	11:43:55	0.2	0.2	0.3	0.2
351	4/12/2019	11:44:25	0.2	0.2	0.2	0.2
352	4/12/2019	11:44:55	0.2	0.2	0.2	0.2
353	4/12/2019	11:45:25	0.2	0.2	0.2	0.2
354	4/12/2019	11:45:55	0.2	0.2	0.2	0.2
355	4/12/2019	11:46:25	0.1	0.2	0.2	0.2
356	4/12/2019	11:46:55	0.2	0.2	0.2	0.2
Peak			0.2	0.4	0.5	0.3
Min			0.0	0.0	0.0	0.0
Average				0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/12/2019 08:49:25	0.0	---
002	4/12/2019 08:49:55	0.0	---

003	4/12/2019 08:50:25	0.0	---
004	4/12/2019 08:50:55	0.0	---
005	4/12/2019 08:51:25	0.0	---
006	4/12/2019 08:51:55	0.0	---
007	4/12/2019 08:52:25	0.0	---
008	4/12/2019 08:52:55	0.0	---
009	4/12/2019 08:53:25	0.0	---
010	4/12/2019 08:53:55	0.0	---
011	4/12/2019 08:54:25	0.0	---
012	4/12/2019 08:54:55	0.0	---
013	4/12/2019 08:55:25	0.0	---
014	4/12/2019 08:55:55	0.0	---
015	4/12/2019 08:56:25	0.0	---
016	4/12/2019 08:56:55	0.0	---
017	4/12/2019 08:57:25	0.0	---
018	4/12/2019 08:57:55	0.0	---
019	4/12/2019 08:58:25	0.0	---
020	4/12/2019 08:58:55	0.0	---
021	4/12/2019 08:59:25	0.0	---
022	4/12/2019 08:59:55	0.0	---
023	4/12/2019 09:00:25	0.0	---
024	4/12/2019 09:00:55	0.0	---
025	4/12/2019 09:01:25	0.0	---
026	4/12/2019 09:01:55	0.0	---
027	4/12/2019 09:02:25	0.0	---
028	4/12/2019 09:02:55	0.0	---
029	4/12/2019 09:03:25	0.0	---
030	4/12/2019 09:03:55	0.0	0.0
031	4/12/2019 09:04:25	0.0	0.0
032	4/12/2019 09:04:55	0.0	0.0
033	4/12/2019 09:05:25	0.0	0.0
034	4/12/2019 09:05:55	0.0	0.0
035	4/12/2019 09:06:25	0.0	0.0
036	4/12/2019 09:06:55	0.0	0.0
037	4/12/2019 09:07:25	0.0	0.0
038	4/12/2019 09:07:55	0.0	0.0
039	4/12/2019 09:08:25	0.0	0.0
040	4/12/2019 09:08:55	0.0	0.0
041	4/12/2019 09:09:25	0.0	0.0
042	4/12/2019 09:09:55	0.0	0.0
043	4/12/2019 09:10:25	0.0	0.0
044	4/12/2019 09:10:55	0.0	0.0
045	4/12/2019 09:11:25	0.0	0.0
046	4/12/2019 09:11:55	0.0	0.0
047	4/12/2019 09:12:25	0.0	0.0
048	4/12/2019 09:12:55	0.0	0.0
049	4/12/2019 09:13:25	0.0	0.0
050	4/12/2019 09:13:55	0.0	0.0
051	4/12/2019 09:14:25	0.0	0.0
052	4/12/2019 09:14:55	0.0	0.0
053	4/12/2019 09:15:25	0.0	0.0
054	4/12/2019 09:15:55	0.0	0.0
055	4/12/2019 09:16:25	0.0	0.0
056	4/12/2019 09:16:55	0.0	0.0
057	4/12/2019 09:17:25	0.0	0.0
058	4/12/2019 09:17:55	0.0	0.0
059	4/12/2019 09:18:25	0.0	0.0

060	4/12/2019 09:18:55	0.0	0.0
061	4/12/2019 09:19:25	0.0	0.0
062	4/12/2019 09:19:55	0.0	0.0
063	4/12/2019 09:20:25	0.0	0.0
064	4/12/2019 09:20:55	0.0	0.0
065	4/12/2019 09:21:25	0.0	0.0
066	4/12/2019 09:21:55	0.0	0.0
067	4/12/2019 09:22:25	0.0	0.0
068	4/12/2019 09:22:55	0.0	0.0
069	4/12/2019 09:23:25	0.0	0.0
070	4/12/2019 09:23:55	0.0	0.0
071	4/12/2019 09:24:25	0.0	0.0
072	4/12/2019 09:24:55	0.0	0.0
073	4/12/2019 09:25:25	0.0	0.0
074	4/12/2019 09:25:55	0.0	0.0
075	4/12/2019 09:26:25	0.0	0.0
076	4/12/2019 09:26:55	0.0	0.0
077	4/12/2019 09:27:25	0.0	0.0
078	4/12/2019 09:27:55	0.0	0.0
079	4/12/2019 09:28:25	0.0	0.0
080	4/12/2019 09:28:55	0.0	0.0
081	4/12/2019 09:29:25	0.0	0.0
082	4/12/2019 09:29:55	0.0	0.0
083	4/12/2019 09:30:25	0.0	0.0
084	4/12/2019 09:30:55	0.0	0.0
085	4/12/2019 09:31:25	0.0	0.0
086	4/12/2019 09:31:55	0.0	0.0
087	4/12/2019 09:32:25	0.0	0.0
088	4/12/2019 09:32:55	0.0	0.0
089	4/12/2019 09:33:25	0.0	0.0
090	4/12/2019 09:33:55	0.0	0.0
091	4/12/2019 09:34:25	0.0	0.0
092	4/12/2019 09:34:55	0.0	0.0
093	4/12/2019 09:35:25	0.0	0.0
094	4/12/2019 09:35:55	0.0	0.0
095	4/12/2019 09:36:25	0.0	0.0
096	4/12/2019 09:36:55	0.0	0.0
097	4/12/2019 09:37:25	0.0	0.0
098	4/12/2019 09:37:55	0.0	0.0
099	4/12/2019 09:38:25	0.0	0.0
100	4/12/2019 09:38:55	0.0	0.0
101	4/12/2019 09:39:25	0.0	0.0
102	4/12/2019 09:39:55	0.0	0.0
103	4/12/2019 09:40:25	0.0	0.0
104	4/12/2019 09:40:55	0.0	0.0
105	4/12/2019 09:41:25	0.0	0.0
106	4/12/2019 09:41:55	0.0	0.0
107	4/12/2019 09:42:25	0.0	0.0
108	4/12/2019 09:42:55	0.0	0.0
109	4/12/2019 09:43:25	0.0	0.0
110	4/12/2019 09:43:55	0.0	0.0
111	4/12/2019 09:44:25	0.0	0.0
112	4/12/2019 09:44:55	0.0	0.0
113	4/12/2019 09:45:25	0.0	0.0
114	4/12/2019 09:45:55	0.0	0.0
115	4/12/2019 09:46:25	0.0	0.0
116	4/12/2019 09:46:55	0.0	0.0

117	4/12/2019 09:47:25	0.0	0.0
118	4/12/2019 09:47:55	0.0	0.0
119	4/12/2019 09:48:25	0.0	0.0
120	4/12/2019 09:48:55	0.0	0.0
121	4/12/2019 09:49:25	0.0	0.0
122	4/12/2019 09:49:55	0.0	0.0
123	4/12/2019 09:50:25	0.0	0.0
124	4/12/2019 09:50:55	0.0	0.0
125	4/12/2019 09:51:25	0.0	0.0
126	4/12/2019 09:51:55	0.0	0.0
127	4/12/2019 09:52:25	0.0	0.0
128	4/12/2019 09:52:55	0.0	0.0
129	4/12/2019 09:53:25	0.0	0.0
130	4/12/2019 09:53:55	0.0	0.0
131	4/12/2019 09:54:25	0.0	0.0
132	4/12/2019 09:54:55	0.0	0.0
133	4/12/2019 09:55:25	0.0	0.0
134	4/12/2019 09:55:55	0.0	0.0
135	4/12/2019 09:56:25	0.0	0.0
136	4/12/2019 09:56:55	0.0	0.0
137	4/12/2019 09:57:25	0.0	0.0
138	4/12/2019 09:57:55	0.0	0.0
139	4/12/2019 09:58:25	0.0	0.0
140	4/12/2019 09:58:55	0.0	0.0
141	4/12/2019 09:59:25	0.0	0.0
142	4/12/2019 09:59:55	0.0	0.0
143	4/12/2019 10:00:25	0.0	0.0
144	4/12/2019 10:00:55	0.0	0.0
145	4/12/2019 10:01:25	0.0	0.0
146	4/12/2019 10:01:55	0.0	0.0
147	4/12/2019 10:02:25	0.0	0.0
148	4/12/2019 10:02:55	0.0	0.0
149	4/12/2019 10:03:25	0.0	0.0
150	4/12/2019 10:03:55	0.0	0.0
151	4/12/2019 10:04:25	0.0	0.0
152	4/12/2019 10:04:55	0.0	0.0
153	4/12/2019 10:05:25	0.0	0.0
154	4/12/2019 10:05:55	0.0	0.0
155	4/12/2019 10:06:25	0.0	0.0
156	4/12/2019 10:06:55	0.0	0.0
157	4/12/2019 10:07:25	0.0	0.0
158	4/12/2019 10:07:55	0.0	0.0
159	4/12/2019 10:08:25	0.0	0.0
160	4/12/2019 10:08:55	0.0	0.0
161	4/12/2019 10:09:25	0.0	0.0
162	4/12/2019 10:09:55	0.0	0.0
163	4/12/2019 10:10:25	0.0	0.0
164	4/12/2019 10:10:55	0.0	0.0
165	4/12/2019 10:11:25	0.0	0.0
166	4/12/2019 10:11:55	0.0	0.0
167	4/12/2019 10:12:25	0.0	0.0
168	4/12/2019 10:12:55	0.0	0.0
169	4/12/2019 10:13:25	0.0	0.0
170	4/12/2019 10:13:55	0.0	0.0
171	4/12/2019 10:14:25	0.0	0.0
172	4/12/2019 10:14:55	0.0	0.0
173	4/12/2019 10:15:25	0.0	0.0

174	4/12/2019	10:15:55	0.0	0.0
175	4/12/2019	10:16:25	0.0	0.0
176	4/12/2019	10:16:55	0.0	0.0
177	4/12/2019	10:17:25	0.0	0.0
178	4/12/2019	10:17:55	0.0	0.0
179	4/12/2019	10:18:25	0.0	0.0
180	4/12/2019	10:18:55	0.0	0.0
181	4/12/2019	10:19:25	0.0	0.0
182	4/12/2019	10:19:55	0.0	0.0
183	4/12/2019	10:20:25	0.0	0.0
184	4/12/2019	10:20:55	0.0	0.0
185	4/12/2019	10:21:25	0.0	0.0
186	4/12/2019	10:21:55	0.0	0.0
187	4/12/2019	10:22:25	0.0	0.0
188	4/12/2019	10:22:55	0.0	0.0
189	4/12/2019	10:23:25	0.0	0.0
190	4/12/2019	10:23:55	0.0	0.0
191	4/12/2019	10:24:25	0.0	0.0
192	4/12/2019	10:24:55	0.0	0.0
193	4/12/2019	10:25:25	0.0	0.0
194	4/12/2019	10:25:55	0.0	0.0
195	4/12/2019	10:26:25	0.0	0.0
196	4/12/2019	10:26:55	0.0	0.0
197	4/12/2019	10:27:25	0.0	0.0
198	4/12/2019	10:27:55	0.0	0.0
199	4/12/2019	10:28:25	0.0	0.0
200	4/12/2019	10:28:55	0.0	0.0
201	4/12/2019	10:29:25	0.0	0.0
202	4/12/2019	10:29:55	0.0	0.0
203	4/12/2019	10:30:25	0.0	0.0
204	4/12/2019	10:30:55	0.0	0.0
205	4/12/2019	10:31:25	0.0	0.0
206	4/12/2019	10:31:55	0.0	0.0
207	4/12/2019	10:32:25	0.0	0.0
208	4/12/2019	10:32:55	0.0	0.0
209	4/12/2019	10:33:25	0.0	0.0
210	4/12/2019	10:33:55	0.0	0.0
211	4/12/2019	10:34:25	0.0	0.0
212	4/12/2019	10:34:55	0.0	0.0
213	4/12/2019	10:35:25	0.0	0.0
214	4/12/2019	10:35:55	0.0	0.0
215	4/12/2019	10:36:25	0.0	0.0
216	4/12/2019	10:36:55	0.0	0.0
217	4/12/2019	10:37:25	0.0	0.0
218	4/12/2019	10:37:55	0.0	0.0
219	4/12/2019	10:38:25	0.0	0.0
220	4/12/2019	10:38:55	0.0	0.0
221	4/12/2019	10:39:25	0.0	0.0
222	4/12/2019	10:39:55	0.0	0.0
223	4/12/2019	10:40:25	0.0	0.0
224	4/12/2019	10:40:55	0.0	0.0
225	4/12/2019	10:41:25	0.0	0.0
226	4/12/2019	10:41:55	0.0	0.0
227	4/12/2019	10:42:25	0.0	0.0
228	4/12/2019	10:42:55	0.0	0.0
229	4/12/2019	10:43:25	0.0	0.0
230	4/12/2019	10:43:55	0.0	0.0

231	4/12/2019	10:44:25	0.0	0.0
232	4/12/2019	10:44:55	0.0	0.0
233	4/12/2019	10:45:25	0.0	0.0
234	4/12/2019	10:45:55	0.0	0.0
235	4/12/2019	10:46:25	0.0	0.0
236	4/12/2019	10:46:55	0.0	0.0
237	4/12/2019	10:47:25	0.0	0.0
238	4/12/2019	10:47:55	0.0	0.0
239	4/12/2019	10:48:25	0.0	0.0
240	4/12/2019	10:48:55	0.0	0.0
241	4/12/2019	10:49:25	0.0	0.0
242	4/12/2019	10:49:55	0.0	0.0
243	4/12/2019	10:50:25	0.0	0.0
244	4/12/2019	10:50:55	0.0	0.0
245	4/12/2019	10:51:25	0.0	0.0
246	4/12/2019	10:51:55	0.0	0.0
247	4/12/2019	10:52:25	0.0	0.0
248	4/12/2019	10:52:55	0.0	0.0
249	4/12/2019	10:53:25	0.0	0.0
250	4/12/2019	10:53:55	0.0	0.0
251	4/12/2019	10:54:25	0.0	0.0
252	4/12/2019	10:54:55	0.0	0.0
253	4/12/2019	10:55:25	0.0	0.0
254	4/12/2019	10:55:55	0.0	0.0
255	4/12/2019	10:56:25	0.0	0.0
256	4/12/2019	10:56:55	0.0	0.0
257	4/12/2019	10:57:25	0.0	0.0
258	4/12/2019	10:57:55	0.0	0.0
259	4/12/2019	10:58:25	0.0	0.0
260	4/12/2019	10:58:55	0.0	0.0
261	4/12/2019	10:59:25	0.0	0.0
262	4/12/2019	10:59:55	0.0	0.0
263	4/12/2019	11:00:25	0.0	0.0
264	4/12/2019	11:00:55	0.0	0.0
265	4/12/2019	11:01:25	0.0	0.0
266	4/12/2019	11:01:55	0.0	0.0
267	4/12/2019	11:02:25	0.0	0.0
268	4/12/2019	11:02:55	0.0	0.0
269	4/12/2019	11:03:25	0.0	0.0
270	4/12/2019	11:03:55	0.0	0.0
271	4/12/2019	11:04:25	0.0	0.0
272	4/12/2019	11:04:55	0.0	0.0
273	4/12/2019	11:05:25	0.0	0.0
274	4/12/2019	11:05:55	0.0	0.0
275	4/12/2019	11:06:25	0.0	0.0
276	4/12/2019	11:06:55	0.0	0.0
277	4/12/2019	11:07:25	0.0	0.0
278	4/12/2019	11:07:55	0.0	0.0
279	4/12/2019	11:08:25	0.0	0.0
280	4/12/2019	11:08:55	0.0	0.0
281	4/12/2019	11:09:25	0.0	0.0
282	4/12/2019	11:09:55	0.0	0.0
283	4/12/2019	11:10:25	0.0	0.0
284	4/12/2019	11:10:55	0.0	0.0
285	4/12/2019	11:11:25	0.0	0.0
286	4/12/2019	11:11:55	0.0	0.0
287	4/12/2019	11:12:25	0.0	0.0

288	4/12/2019 11:12:55	0.0	0.0
289	4/12/2019 11:13:25	0.0	0.0
290	4/12/2019 11:13:55	0.0	0.0
291	4/12/2019 11:14:25	0.0	0.0
292	4/12/2019 11:14:55	0.0	0.0
293	4/12/2019 11:15:25	0.0	0.0
294	4/12/2019 11:15:55	0.0	0.0
295	4/12/2019 11:16:25	0.0	0.0
296	4/12/2019 11:16:55	0.0	0.0
297	4/12/2019 11:17:25	0.0	0.0
298	4/12/2019 11:17:55	0.0	0.0
299	4/12/2019 11:18:25	0.0	0.0
300	4/12/2019 11:18:55	0.0	0.0
301	4/12/2019 11:19:25	0.0	0.0
302	4/12/2019 11:19:55	0.0	0.0
303	4/12/2019 11:20:25	0.0	0.0
304	4/12/2019 11:20:55	0.0	0.0
305	4/12/2019 11:21:25	0.0	0.0
306	4/12/2019 11:21:55	0.0	0.0
307	4/12/2019 11:22:25	0.0	0.0
308	4/12/2019 11:22:55	0.0	0.0
309	4/12/2019 11:23:25	0.0	0.0
310	4/12/2019 11:23:55	0.0	0.0
311	4/12/2019 11:24:25	0.0	0.1
312	4/12/2019 11:24:55	0.0	0.1
313	4/12/2019 11:25:25	0.0	0.1
314	4/12/2019 11:25:55	0.0	0.1
315	4/12/2019 11:26:25	0.0	0.1
316	4/12/2019 11:26:55	0.0	0.1
317	4/12/2019 11:27:25	0.0	0.1
318	4/12/2019 11:27:55	0.0	0.1
319	4/12/2019 11:28:25	0.0	0.1
320	4/12/2019 11:28:55	0.0	0.1
321	4/12/2019 11:29:25	0.0	0.1
322	4/12/2019 11:29:55	0.0	0.1
323	4/12/2019 11:30:25	0.0	0.1
324	4/12/2019 11:30:55	0.0	0.1
325	4/12/2019 11:31:25	0.0	0.1
326	4/12/2019 11:31:55	0.0	0.1
327	4/12/2019 11:32:25	0.0	0.1
328	4/12/2019 11:32:55	0.0	0.1
329	4/12/2019 11:33:25	0.0	0.1
330	4/12/2019 11:33:55	0.0	0.1
331	4/12/2019 11:34:25	0.0	0.1
332	4/12/2019 11:34:55	0.0	0.1
333	4/12/2019 11:35:25	0.0	0.1
334	4/12/2019 11:35:55	0.0	0.1
335	4/12/2019 11:36:25	0.0	0.1
336	4/12/2019 11:36:55	0.0	0.1
337	4/12/2019 11:37:25	0.0	0.1
338	4/12/2019 11:37:55	0.0	0.1
339	4/12/2019 11:38:25	0.0	0.1
340	4/12/2019 11:38:55	0.0	0.1
341	4/12/2019 11:39:25	0.0	0.1
342	4/12/2019 11:39:55	0.0	0.2
343	4/12/2019 11:40:25	0.0	0.2
344	4/12/2019 11:40:55	0.0	0.2

345 4/12/2019 11:41:25 0.0 0.2
346 4/12/2019 11:41:55 0.0 0.2
347 4/12/2019 11:42:25 0.0 0.2
348 4/12/2019 11:42:55 0.0 0.2
349 4/12/2019 11:43:25 0.0 0.2
350 4/12/2019 11:43:55 0.0 0.2
351 4/12/2019 11:44:25 0.0 0.2
352 4/12/2019 11:44:55 0.0 0.2
353 4/12/2019 11:45:25 0.0 0.2
354 4/12/2019 11:45:55 0.0 0.2
355 4/12/2019 11:46:25 0.0 0.2
356 4/12/2019 11:46:55 0.0 0.2

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19/04/15 08:01

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/15/2019 08:01:14
End 4/15/2019 08:01:36
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030476Q4
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm15000.0
STEL Alarm 50.0
TWA Alarm10.0
Measurement Gas Isobutylene
Calibration Time 4/12/2019 07:47

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Datalog

0 record.

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19/04/15 08:15

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/15/2019 08:15:12
End 4/15/2019 14:36:33
Sample Period(s) 30
Number of Records 762

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/12/2019 07:47
Peak 0.7
Min 0.0
Average 0.3

****

Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/15/2019 08:15:42	0.0	0.0	0.0	0.0
002	4/15/2019 08:16:12	0.0	0.0	0.0	0.0
003	4/15/2019 08:16:42	0.0	0.0	0.0	0.0
004	4/15/2019 08:17:12	0.0	0.0	0.0	0.0
005	4/15/2019 08:17:42	0.0	0.0	0.0	0.0
006	4/15/2019 08:18:12	0.0	0.0	0.0	0.0
007	4/15/2019 08:18:42	0.0	0.0	0.0	0.0
008	4/15/2019 08:19:12	0.0	0.0	0.0	0.0
009	4/15/2019 08:19:42	0.0	0.0	0.0	0.0
010	4/15/2019 08:20:12	0.0	0.0	0.0	0.0
011	4/15/2019 08:20:42	0.0	0.0	0.0	0.0
012	4/15/2019 08:21:12	0.0	0.0	0.0	0.0
013	4/15/2019 08:21:42	0.0	0.0	0.0	0.0
014	4/15/2019 08:22:12	0.0	0.0	0.0	0.0
015	4/15/2019 08:22:42	0.0	0.0	0.0	0.0
016	4/15/2019 08:23:12	0.0	0.0	0.0	0.0
017	4/15/2019 08:23:42	0.0	0.0	0.0	0.0
018	4/15/2019 08:24:12	0.0	0.0	0.0	0.0
019	4/15/2019 08:24:42	0.0	0.0	0.0	0.0
020	4/15/2019 08:25:12	0.0	0.0	0.0	0.0

021	4/15/2019 08:25:42	0.0	0.0	0.0	0.0
022	4/15/2019 08:26:12	0.0	0.0	0.0	0.0
023	4/15/2019 08:26:42	0.0	0.0	0.0	0.0
024	4/15/2019 08:27:12	0.0	0.0	0.0	0.0
025	4/15/2019 08:27:42	0.0	0.0	0.0	0.0
026	4/15/2019 08:28:12	0.0	0.0	0.0	0.0
027	4/15/2019 08:28:42	0.0	0.0	0.0	0.0
028	4/15/2019 08:29:12	0.0	0.0	0.0	0.0
029	4/15/2019 08:29:42	0.0	0.0	0.0	0.0
030	4/15/2019 08:30:12	0.0	0.0	0.0	0.0
031	4/15/2019 08:30:42	0.0	0.0	0.0	0.0
032	4/15/2019 08:31:12	0.0	0.0	0.0	0.0
033	4/15/2019 08:31:42	0.0	0.0	0.0	0.0
034	4/15/2019 08:32:12	0.0	0.0	0.0	0.0
035	4/15/2019 08:32:42	0.0	0.0	0.0	0.0
036	4/15/2019 08:33:12	0.0	0.0	0.0	0.0
037	4/15/2019 08:33:42	0.0	0.0	0.0	0.0
038	4/15/2019 08:34:12	0.0	0.0	0.0	0.0
039	4/15/2019 08:34:42	0.0	0.0	0.0	0.0
040	4/15/2019 08:35:12	0.0	0.0	0.0	0.0
041	4/15/2019 08:35:42	0.0	0.0	0.0	0.0
042	4/15/2019 08:36:12	0.0	0.0	0.0	0.0
043	4/15/2019 08:36:42	0.0	0.0	0.0	0.0
044	4/15/2019 08:37:12	0.0	0.0	0.0	0.0
045	4/15/2019 08:37:42	0.0	0.0	0.0	0.0
046	4/15/2019 08:38:12	0.0	0.0	0.0	0.0
047	4/15/2019 08:38:42	0.0	0.0	0.0	0.0
048	4/15/2019 08:39:12	0.0	0.0	0.0	0.0
049	4/15/2019 08:39:42	0.0	0.0	0.0	0.0
050	4/15/2019 08:40:12	0.0	0.0	0.0	0.0
051	4/15/2019 08:40:42	0.0	0.0	0.0	0.0
052	4/15/2019 08:41:12	0.0	0.0	0.0	0.0
053	4/15/2019 08:41:42	0.0	0.0	0.0	0.0
054	4/15/2019 08:42:12	0.0	0.0	0.0	0.0
055	4/15/2019 08:42:42	0.0	0.0	0.0	0.0
056	4/15/2019 08:43:12	0.0	0.0	0.0	0.0
057	4/15/2019 08:43:42	0.0	0.0	0.0	0.0
058	4/15/2019 08:44:12	0.0	0.0	0.0	0.0
059	4/15/2019 08:44:42	0.0	0.0	0.0	0.0
060	4/15/2019 08:45:12	0.0	0.0	0.0	0.0
061	4/15/2019 08:45:42	0.0	0.0	0.0	0.0
062	4/15/2019 08:46:12	0.0	0.0	0.0	0.0
063	4/15/2019 08:46:42	0.0	0.0	0.0	0.0
064	4/15/2019 08:47:12	0.0	0.0	0.0	0.0
065	4/15/2019 08:47:42	0.0	0.0	0.0	0.0
066	4/15/2019 08:48:12	0.0	0.0	0.0	0.0
067	4/15/2019 08:48:42	0.0	0.0	0.0	0.0
068	4/15/2019 08:49:12	0.0	0.0	0.0	0.0
069	4/15/2019 08:49:42	0.0	0.0	0.0	0.0
070	4/15/2019 08:50:12	0.0	0.0	0.0	0.0
071	4/15/2019 08:50:42	0.0	0.0	0.0	0.0
072	4/15/2019 08:51:12	0.0	0.0	0.0	0.0
073	4/15/2019 08:51:42	0.0	0.0	0.0	0.0
074	4/15/2019 08:52:12	0.0	0.0	0.0	0.0
075	4/15/2019 08:52:42	0.0	0.0	0.0	0.0
076	4/15/2019 08:53:12	0.0	0.0	0.0	0.0
077	4/15/2019 08:53:42	0.0	0.0	0.0	0.0

078	4/15/2019 08:54:12	0.0	0.0	0.0	0.0
079	4/15/2019 08:54:42	0.0	0.0	0.0	0.0
080	4/15/2019 08:55:12	0.0	0.0	0.0	0.0
081	4/15/2019 08:55:42	0.0	0.1	0.1	0.0
082	4/15/2019 08:56:12	0.0	0.0	0.0	0.0
083	4/15/2019 08:56:42	0.0	0.0	0.0	0.0
084	4/15/2019 08:57:12	0.0	0.0	0.0	0.0
085	4/15/2019 08:57:42	0.0	0.0	0.0	0.0
086	4/15/2019 08:58:12	0.0	0.0	0.0	0.0
087	4/15/2019 08:58:42	0.0	0.0	0.0	0.0
088	4/15/2019 08:59:12	0.0	0.0	0.0	0.0
089	4/15/2019 08:59:42	0.0	0.0	0.0	0.0
090	4/15/2019 09:00:12	0.0	0.0	0.0	0.0
091	4/15/2019 09:00:42	0.0	0.0	0.0	0.0
092	4/15/2019 09:01:12	0.0	0.0	0.0	0.0
093	4/15/2019 09:01:42	0.0	0.0	0.0	0.0
094	4/15/2019 09:02:12	0.0	0.0	0.0	0.0
095	4/15/2019 09:02:42	0.0	0.0	0.0	0.0
096	4/15/2019 09:03:12	0.0	0.0	0.0	0.0
097	4/15/2019 09:03:42	0.0	0.0	0.0	0.0
098	4/15/2019 09:04:12	0.0	0.0	0.1	0.0
099	4/15/2019 09:04:42	0.0	0.0	0.0	0.0
100	4/15/2019 09:05:12	0.0	0.0	0.0	0.0
101	4/15/2019 09:05:42	0.0	0.0	0.0	0.0
102	4/15/2019 09:06:12	0.0	0.0	0.0	0.0
103	4/15/2019 09:06:42	0.0	0.0	0.0	0.0
104	4/15/2019 09:07:12	0.0	0.0	0.0	0.0
105	4/15/2019 09:07:42	0.0	0.0	0.0	0.0
106	4/15/2019 09:08:12	0.0	0.0	0.1	0.0
107	4/15/2019 09:08:42	0.0	0.0	0.0	0.0
108	4/15/2019 09:09:12	0.0	0.0	0.1	0.0
109	4/15/2019 09:09:42	0.0	0.0	0.1	0.0
110	4/15/2019 09:10:12	0.0	0.0	0.1	0.1
111	4/15/2019 09:10:42	0.0	0.0	0.1	0.0
112	4/15/2019 09:11:12	0.0	0.0	0.1	0.0
113	4/15/2019 09:11:42	0.0	0.0	0.1	0.0
114	4/15/2019 09:12:12	0.0	0.0	0.1	0.1
115	4/15/2019 09:12:42	0.0	0.0	0.0	0.0
116	4/15/2019 09:13:12	0.0	0.0	0.0	0.0
117	4/15/2019 09:13:42	0.0	0.0	0.1	0.1
118	4/15/2019 09:14:12	0.0	0.0	0.1	0.0
119	4/15/2019 09:14:42	0.0	0.0	0.1	0.1
120	4/15/2019 09:15:12	0.0	0.0	0.1	0.0
121	4/15/2019 09:15:42	0.0	0.0	0.1	0.0
122	4/15/2019 09:16:12	0.0	0.0	0.1	0.1
123	4/15/2019 09:16:42	0.0	0.0	0.1	0.0
124	4/15/2019 09:17:12	0.0	0.1	0.1	0.1
125	4/15/2019 09:17:42	0.0	0.1	0.1	0.1
126	4/15/2019 09:18:12	0.1	0.1	0.4	0.1
127	4/15/2019 09:18:42	0.1	0.1	0.1	0.1
128	4/15/2019 09:19:12	0.1	0.1	0.1	0.1
129	4/15/2019 09:19:42	0.0	0.1	0.1	0.1
130	4/15/2019 09:20:12	0.0	0.1	0.1	0.1
131	4/15/2019 09:20:42	0.0	0.1	0.1	0.0
132	4/15/2019 09:21:12	0.0	0.1	0.1	0.1
133	4/15/2019 09:21:42	0.0	0.1	0.1	0.1
134	4/15/2019 09:22:12	0.0	0.1	0.1	0.1

135	4/15/2019 09:22:42	0.0	0.1	0.1	0.1
136	4/15/2019 09:23:12	0.0	0.1	0.1	0.1
137	4/15/2019 09:23:42	0.1	0.1	0.1	0.1
138	4/15/2019 09:24:12	0.0	0.1	0.1	0.1
139	4/15/2019 09:24:42	0.1	0.1	0.1	0.1
140	4/15/2019 09:25:12	0.1	0.1	0.1	0.1
141	4/15/2019 09:25:42	0.1	0.1	0.1	0.1
142	4/15/2019 09:26:12	0.1	0.1	0.1	0.1
143	4/15/2019 09:26:42	0.1	0.1	0.1	0.1
144	4/15/2019 09:27:12	0.0	0.1	0.1	0.1
145	4/15/2019 09:27:42	0.1	0.1	0.1	0.1
146	4/15/2019 09:28:12	0.1	0.1	0.1	0.1
147	4/15/2019 09:28:42	0.1	0.1	0.1	0.1
148	4/15/2019 09:29:12	0.1	0.1	0.1	0.1
149	4/15/2019 09:29:42	0.1	0.1	0.1	0.1
150	4/15/2019 09:30:12	0.1	0.1	0.1	0.1
151	4/15/2019 09:30:42	0.1	0.1	0.1	0.1
152	4/15/2019 09:31:12	0.1	0.1	0.1	0.1
153	4/15/2019 09:31:42	0.1	0.1	0.1	0.1
154	4/15/2019 09:32:12	0.1	0.1	0.1	0.1
155	4/15/2019 09:32:42	0.1	0.1	0.1	0.1
156	4/15/2019 09:33:12	0.1	0.1	0.1	0.1
157	4/15/2019 09:33:42	0.0	0.1	0.1	0.1
158	4/15/2019 09:34:12	0.1	0.1	0.1	0.1
159	4/15/2019 09:34:42	0.1	0.1	0.1	0.1
160	4/15/2019 09:35:12	0.1	0.1	0.1	0.1
161	4/15/2019 09:35:42	0.1	0.1	0.1	0.1
162	4/15/2019 09:36:12	0.1	0.1	0.1	0.1
163	4/15/2019 09:36:42	0.1	0.1	0.1	0.1
164	4/15/2019 09:37:12	0.1	0.1	0.1	0.1
165	4/15/2019 09:37:42	0.1	0.1	0.1	0.1
166	4/15/2019 09:38:12	0.1	0.1	0.1	0.1
167	4/15/2019 09:38:42	0.1	0.1	0.1	0.1
168	4/15/2019 09:39:12	0.1	0.1	0.1	0.1
169	4/15/2019 09:39:42	0.1	0.1	0.1	0.1
170	4/15/2019 09:40:12	0.1	0.1	0.1	0.1
171	4/15/2019 09:40:42	0.1	0.1	0.1	0.1
172	4/15/2019 09:41:12	0.1	0.1	0.2	0.1
173	4/15/2019 09:41:42	0.1	0.1	0.1	0.1
174	4/15/2019 09:42:12	0.1	0.1	0.1	0.1
175	4/15/2019 09:42:42	0.1	0.1	0.1	0.1
176	4/15/2019 09:43:12	0.1	0.1	0.1	0.1
177	4/15/2019 09:43:42	0.1	0.1	0.1	0.1
178	4/15/2019 09:44:12	0.1	0.1	0.2	0.1
179	4/15/2019 09:44:42	0.1	0.1	0.2	0.2
180	4/15/2019 09:45:12	0.1	0.1	0.2	0.1
181	4/15/2019 09:45:42	0.1	0.1	0.2	0.1
182	4/15/2019 09:46:12	0.1	0.1	0.2	0.1
183	4/15/2019 09:46:42	0.1	0.1	0.1	0.1
184	4/15/2019 09:47:12	0.1	0.1	0.2	0.2
185	4/15/2019 09:47:42	0.1	0.1	0.2	0.2
186	4/15/2019 09:48:12	0.1	0.2	0.2	0.1
187	4/15/2019 09:48:42	0.1	0.2	0.2	0.2
188	4/15/2019 09:49:12	0.1	0.1	0.2	0.1
189	4/15/2019 09:49:42	0.1	0.2	0.2	0.2
190	4/15/2019 09:50:12	0.2	0.2	0.2	0.2
191	4/15/2019 09:50:42	0.1	0.2	0.2	0.2

192	4/15/2019 09:51:12	0.1	0.2	0.2	0.2
193	4/15/2019 09:51:42	0.1	0.2	0.2	0.2
194	4/15/2019 09:52:12	0.1	0.2	0.2	0.2
195	4/15/2019 09:52:42	0.1	0.2	0.2	0.2
196	4/15/2019 09:53:12	0.2	0.2	0.2	0.2
197	4/15/2019 09:53:42	0.1	0.2	0.2	0.2
198	4/15/2019 09:54:12	0.1	0.2	0.2	0.2
199	4/15/2019 09:54:42	0.1	0.2	0.2	0.2
200	4/15/2019 09:55:12	0.2	0.2	0.2	0.2
201	4/15/2019 09:55:42	0.1	0.2	0.2	0.2
202	4/15/2019 09:56:12	0.2	0.2	0.2	0.2
203	4/15/2019 09:56:42	0.2	0.2	0.2	0.2
204	4/15/2019 09:57:12	0.1	0.2	0.2	0.2
205	4/15/2019 09:57:42	0.2	0.2	0.2	0.2
206	4/15/2019 09:58:12	0.1	0.2	0.2	0.2
207	4/15/2019 09:58:42	0.2	0.2	0.2	0.2
208	4/15/2019 09:59:12	0.1	0.2	0.2	0.2
209	4/15/2019 09:59:42	0.1	0.2	0.2	0.2
210	4/15/2019 10:00:12	0.2	0.2	0.2	0.2
211	4/15/2019 10:00:42	0.2	0.2	0.2	0.2
212	4/15/2019 10:01:12	0.1	0.2	0.2	0.2
213	4/15/2019 10:01:42	0.2	0.2	0.2	0.2
214	4/15/2019 10:02:12	0.2	0.2	0.2	0.2
215	4/15/2019 10:02:42	0.2	0.2	0.2	0.2
216	4/15/2019 10:03:12	0.2	0.2	0.4	0.3
217	4/15/2019 10:03:42	0.2	0.2	0.3	0.2
218	4/15/2019 10:04:12	0.2	0.2	0.2	0.2
219	4/15/2019 10:04:42	0.2	0.2	0.2	0.2
220	4/15/2019 10:05:12	0.2	0.2	0.2	0.2
221	4/15/2019 10:05:42	0.1	0.2	0.2	0.2
222	4/15/2019 10:06:12	0.2	0.2	0.2	0.2
223	4/15/2019 10:06:42	0.2	0.2	0.2	0.2
224	4/15/2019 10:07:12	0.1	0.2	0.2	0.2
225	4/15/2019 10:07:42	0.2	0.2	0.3	0.2
226	4/15/2019 10:08:12	0.2	0.2	0.2	0.2
227	4/15/2019 10:08:42	0.2	0.2	0.2	0.2
228	4/15/2019 10:09:12	0.1	0.2	0.3	0.2
229	4/15/2019 10:09:42	0.2	0.2	0.2	0.2
230	4/15/2019 10:10:12	0.2	0.2	0.3	0.2
231	4/15/2019 10:10:42	0.2	0.2	0.3	0.2
232	4/15/2019 10:11:12	0.2	0.2	0.2	0.2
233	4/15/2019 10:11:42	0.2	0.2	0.3	0.2
234	4/15/2019 10:12:12	0.2	0.2	0.3	0.2
235	4/15/2019 10:12:42	0.2	0.2	0.3	0.2
236	4/15/2019 10:13:12	0.2	0.2	0.2	0.2
237	4/15/2019 10:13:42	0.2	0.2	0.2	0.2
238	4/15/2019 10:14:12	0.2	0.2	0.3	0.2
239	4/15/2019 10:14:42	0.2	0.2	0.3	0.2
240	4/15/2019 10:15:12	0.2	0.2	0.3	0.3
241	4/15/2019 10:15:42	0.2	0.2	0.3	0.3
242	4/15/2019 10:16:12	0.2	0.2	0.3	0.2
243	4/15/2019 10:16:42	0.2	0.2	0.3	0.3
244	4/15/2019 10:17:12	0.2	0.2	0.3	0.2
245	4/15/2019 10:17:42	0.2	0.2	0.3	0.3
246	4/15/2019 10:18:12	0.2	0.3	0.3	0.3
247	4/15/2019 10:18:42	0.2	0.3	0.3	0.3
248	4/15/2019 10:19:12	0.2	0.3	0.3	0.3

249	4/15/2019	10:19:42	0.2	0.3	0.3	0.3
250	4/15/2019	10:20:12	0.2	0.3	0.3	0.3
251	4/15/2019	10:20:42	0.2	0.3	0.3	0.3
252	4/15/2019	10:21:12	0.2	0.3	0.3	0.3
253	4/15/2019	10:21:42	0.2	0.3	0.3	0.3
254	4/15/2019	10:22:12	0.2	0.3	0.3	0.3
255	4/15/2019	10:22:42	0.2	0.3	0.3	0.3
256	4/15/2019	10:23:12	0.2	0.3	0.3	0.3
257	4/15/2019	10:23:42	0.3	0.3	0.3	0.3
258	4/15/2019	10:24:12	0.3	0.3	0.3	0.3
259	4/15/2019	10:24:42	0.3	0.3	0.3	0.3
260	4/15/2019	10:25:12	0.3	0.3	0.3	0.3
261	4/15/2019	10:25:42	0.2	0.3	0.3	0.3
262	4/15/2019	10:26:12	0.3	0.3	0.3	0.3
263	4/15/2019	10:26:42	0.2	0.3	0.3	0.3
264	4/15/2019	10:27:12	0.3	0.3	0.3	0.3
265	4/15/2019	10:27:42	0.3	0.3	0.3	0.3
266	4/15/2019	10:28:12	0.2	0.3	0.4	0.3
267	4/15/2019	10:28:42	0.3	0.3	0.3	0.3
268	4/15/2019	10:29:12	0.3	0.3	0.3	0.3
269	4/15/2019	10:29:42	0.3	0.3	0.4	0.4
270	4/15/2019	10:30:12	0.3	0.3	0.4	0.3
271	4/15/2019	10:30:42	0.3	0.3	0.4	0.3
272	4/15/2019	10:31:12	0.3	0.3	0.3	0.3
273	4/15/2019	10:31:42	0.3	0.3	0.3	0.3
274	4/15/2019	10:32:12	0.2	0.3	0.4	0.3
275	4/15/2019	10:32:42	0.3	0.3	0.4	0.3
276	4/15/2019	10:33:12	0.3	0.3	0.4	0.3
277	4/15/2019	10:33:42	0.3	0.3	0.4	0.3
278	4/15/2019	10:34:12	0.3	0.3	0.4	0.4
279	4/15/2019	10:34:42	0.3	0.3	0.4	0.4
280	4/15/2019	10:35:12	0.3	0.3	0.4	0.3
281	4/15/2019	10:35:42	0.3	0.4	0.4	0.4
282	4/15/2019	10:36:12	0.3	0.3	0.4	0.3
283	4/15/2019	10:36:42	0.3	0.4	0.4	0.4
284	4/15/2019	10:37:12	0.4	0.4	0.4	0.4
285	4/15/2019	10:37:42	0.3	0.4	0.4	0.3
286	4/15/2019	10:38:12	0.3	0.3	0.4	0.4
287	4/15/2019	10:38:42	0.3	0.4	0.4	0.4
288	4/15/2019	10:39:12	0.3	0.4	0.4	0.4
289	4/15/2019	10:39:42	0.3	0.4	0.4	0.4
290	4/15/2019	10:40:12	0.4	0.4	0.6	0.4
291	4/15/2019	10:40:42	0.4	0.4	0.5	0.4
292	4/15/2019	10:41:12	0.3	0.4	0.4	0.3
293	4/15/2019	10:41:42	0.3	0.3	0.4	0.3
294	4/15/2019	10:42:12	0.3	0.3	0.4	0.3
295	4/15/2019	10:42:42	0.3	0.3	0.4	0.3
296	4/15/2019	10:43:12	0.3	0.3	0.4	0.4
297	4/15/2019	10:43:42	0.3	0.3	0.4	0.4
298	4/15/2019	10:44:12	0.3	0.4	0.4	0.3
299	4/15/2019	10:44:42	0.3	0.4	0.4	0.4
300	4/15/2019	10:45:12	0.3	0.5	0.8	0.5
301	4/15/2019	10:45:42	0.3	0.4	0.5	0.3
302	4/15/2019	10:46:12	0.3	0.3	0.3	0.3
303	4/15/2019	10:46:42	0.3	0.3	0.3	0.3
304	4/15/2019	10:47:12	0.3	0.3	0.3	0.3
305	4/15/2019	10:47:42	0.3	0.3	0.3	0.3

306	4/15/2019	10:48:12	0.3	0.3	0.3	0.3
307	4/15/2019	10:48:42	0.3	0.3	0.3	0.3
308	4/15/2019	10:49:12	0.3	0.3	0.3	0.3
309	4/15/2019	10:49:42	0.3	0.3	0.3	0.3
310	4/15/2019	10:50:12	0.3	0.3	0.3	0.3
311	4/15/2019	10:50:42	0.3	0.3	0.3	0.3
312	4/15/2019	10:51:12	0.3	0.3	0.3	0.3
313	4/15/2019	10:51:42	0.3	0.3	0.3	0.3
314	4/15/2019	10:52:12	0.3	0.3	0.3	0.3
315	4/15/2019	10:52:42	0.3	0.3	0.3	0.3
316	4/15/2019	10:53:12	0.3	0.3	0.3	0.3
317	4/15/2019	10:53:42	0.3	0.3	0.3	0.3
318	4/15/2019	10:54:12	0.3	0.3	0.3	0.3
319	4/15/2019	10:54:42	0.3	0.3	0.3	0.3
320	4/15/2019	10:55:12	0.3	0.3	0.3	0.3
321	4/15/2019	10:55:42	0.3	0.3	0.3	0.3
322	4/15/2019	10:56:12	0.3	0.3	0.3	0.3
323	4/15/2019	10:56:42	0.3	0.3	0.3	0.3
324	4/15/2019	10:57:12	0.3	0.3	0.3	0.3
325	4/15/2019	10:57:42	0.3	0.3	0.3	0.3
326	4/15/2019	10:58:12	0.3	0.3	0.3	0.3
327	4/15/2019	10:58:42	0.2	0.3	0.3	0.2
328	4/15/2019	10:59:12	0.2	0.2	0.3	0.3
329	4/15/2019	10:59:42	0.2	0.2	0.3	0.2
330	4/15/2019	11:00:12	0.2	0.2	0.2	0.2
331	4/15/2019	11:00:42	0.2	0.2	0.2	0.2
332	4/15/2019	11:01:12	0.2	0.2	0.3	0.2
333	4/15/2019	11:01:42	0.2	0.2	0.2	0.2
334	4/15/2019	11:02:12	0.2	0.2	0.3	0.2
335	4/15/2019	11:02:42	0.2	0.2	0.2	0.2
336	4/15/2019	11:03:12	0.2	0.2	0.2	0.2
337	4/15/2019	11:03:42	0.2	0.2	0.2	0.2
338	4/15/2019	11:04:12	0.2	0.2	0.3	0.2
339	4/15/2019	11:04:42	0.2	0.2	0.2	0.2
340	4/15/2019	11:05:12	0.2	0.2	0.2	0.2
341	4/15/2019	11:05:42	0.2	0.2	0.2	0.2
342	4/15/2019	11:06:12	0.2	0.2	0.2	0.2
343	4/15/2019	11:06:42	0.2	0.2	0.2	0.2
344	4/15/2019	11:07:12	0.2	0.2	0.2	0.2
345	4/15/2019	11:07:42	0.2	0.2	0.2	0.2
346	4/15/2019	11:08:12	0.2	0.2	0.2	0.2
347	4/15/2019	11:08:42	0.2	0.2	0.2	0.2
348	4/15/2019	11:09:12	0.2	0.2	0.2	0.2
349	4/15/2019	11:09:42	0.2	0.2	0.2	0.2
350	4/15/2019	11:10:12	0.2	0.2	0.2	0.2
351	4/15/2019	11:10:42	0.2	0.2	0.2	0.2
352	4/15/2019	11:11:12	0.2	0.2	0.2	0.2
353	4/15/2019	11:11:42	0.2	0.2	0.2	0.2
354	4/15/2019	11:12:12	0.2	0.2	0.2	0.2
355	4/15/2019	11:12:42	0.2	0.2	0.2	0.2
356	4/15/2019	11:13:12	0.2	0.2	0.2	0.2
357	4/15/2019	11:13:42	0.2	0.2	0.2	0.2
358	4/15/2019	11:14:12	0.2	0.3	0.7	0.6
359	4/15/2019	11:14:42	0.2	0.3	0.5	0.2
360	4/15/2019	11:15:12	0.2	0.2	0.2	0.2
361	4/15/2019	11:15:42	0.2	0.2	0.2	0.2
362	4/15/2019	11:16:12	0.2	0.2	0.2	0.2

363	4/15/2019	11:16:42	0.2	0.2	0.2	0.2
364	4/15/2019	11:17:12	0.2	0.4	0.6	0.3
365	4/15/2019	11:17:42	0.2	0.3	0.3	0.2
366	4/15/2019	11:18:12	0.2	0.2	0.2	0.2
367	4/15/2019	11:18:42	0.2	0.2	0.2	0.2
368	4/15/2019	11:19:12	0.2	0.2	0.2	0.2
369	4/15/2019	11:19:42	0.2	0.2	0.3	0.2
370	4/15/2019	11:20:12	0.2	0.2	0.2	0.2
371	4/15/2019	11:20:42	0.2	0.2	0.3	0.2
372	4/15/2019	11:21:12	0.2	0.2	0.3	0.2
373	4/15/2019	11:21:42	0.2	0.2	0.3	0.2
374	4/15/2019	11:22:12	0.2	0.3	0.3	0.3
375	4/15/2019	11:22:42	0.3	0.3	0.3	0.3
376	4/15/2019	11:23:12	0.3	0.3	0.3	0.3
377	4/15/2019	11:23:42	0.3	0.3	0.3	0.3
378	4/15/2019	11:24:12	0.3	0.3	0.3	0.3
379	4/15/2019	11:24:42	0.3	0.3	0.3	0.3
380	4/15/2019	11:25:12	0.3	0.3	0.3	0.3
381	4/15/2019	11:25:42	0.3	0.3	0.3	0.3
382	4/15/2019	11:26:12	0.3	0.3	0.3	0.3
383	4/15/2019	11:26:42	0.3	0.3	0.3	0.3
384	4/15/2019	11:27:12	0.3	0.3	0.3	0.3
385	4/15/2019	11:27:42	0.3	0.3	0.3	0.3
386	4/15/2019	11:28:12	0.3	0.3	0.3	0.3
387	4/15/2019	11:28:42	0.3	0.3	0.3	0.3
388	4/15/2019	11:29:12	0.3	0.3	0.3	0.3
389	4/15/2019	11:29:42	0.3	0.3	0.3	0.3
390	4/15/2019	11:30:12	0.3	0.3	0.3	0.3
391	4/15/2019	11:30:42	0.3	0.3	0.3	0.3
392	4/15/2019	11:31:12	0.3	0.3	0.3	0.3
393	4/15/2019	11:31:42	0.3	0.3	0.3	0.3
394	4/15/2019	11:32:12	0.3	0.3	0.3	0.3
395	4/15/2019	11:32:42	0.3	0.3	0.3	0.3
396	4/15/2019	11:33:12	0.3	0.3	0.3	0.3
397	4/15/2019	11:33:42	0.3	0.3	0.3	0.3
398	4/15/2019	11:34:12	0.3	0.3	0.3	0.3
399	4/15/2019	11:34:42	0.3	0.3	0.3	0.3
400	4/15/2019	11:35:12	0.3	0.3	0.3	0.3
401	4/15/2019	11:35:42	0.3	0.3	0.3	0.3
402	4/15/2019	11:36:12	0.3	0.3	0.3	0.3
403	4/15/2019	11:36:42	0.3	0.3	0.3	0.3
404	4/15/2019	11:37:12	0.3	0.3	0.3	0.3
405	4/15/2019	11:37:42	0.3	0.3	0.3	0.3
406	4/15/2019	11:38:12	0.3	0.3	0.3	0.3
407	4/15/2019	11:38:42	0.3	0.3	0.3	0.3
408	4/15/2019	11:39:12	0.3	0.3	0.3	0.3
409	4/15/2019	11:39:42	0.3	0.3	0.3	0.3
410	4/15/2019	11:40:12	0.3	0.3	0.3	0.3
411	4/15/2019	11:40:42	0.3	0.3	0.3	0.3
412	4/15/2019	11:41:12	0.3	0.3	0.3	0.3
413	4/15/2019	11:41:42	0.3	0.3	0.3	0.3
414	4/15/2019	11:42:12	0.3	0.3	0.3	0.3
415	4/15/2019	11:42:42	0.3	0.3	0.3	0.3
416	4/15/2019	11:43:12	0.3	0.3	0.4	0.3
417	4/15/2019	11:43:42	0.3	0.3	0.3	0.3
418	4/15/2019	11:44:12	0.3	0.3	0.3	0.3
419	4/15/2019	11:44:42	0.3	0.3	0.3	0.3

420	4/15/2019	11:45:12	0.3	0.3	0.3	0.3
421	4/15/2019	11:45:42	0.3	0.3	0.3	0.3
422	4/15/2019	11:46:12	0.3	0.3	0.4	0.3
423	4/15/2019	11:46:42	0.3	0.3	0.4	0.3
424	4/15/2019	11:47:12	0.3	0.3	0.4	0.3
425	4/15/2019	11:47:42	0.3	0.3	0.4	0.3
426	4/15/2019	11:48:12	0.3	0.3	0.3	0.3
427	4/15/2019	11:48:42	0.3	0.3	0.4	0.3
428	4/15/2019	11:49:12	0.3	0.5	1.0	0.4
429	4/15/2019	11:49:42	0.3	0.4	0.4	0.4
430	4/15/2019	11:50:12	0.4	0.4	0.4	0.4
431	4/15/2019	11:50:42	0.3	0.4	0.4	0.4
432	4/15/2019	11:51:12	0.3	0.3	0.4	0.4
433	4/15/2019	11:51:42	0.3	0.3	0.4	0.3
434	4/15/2019	11:52:12	0.3	0.3	0.4	0.3
435	4/15/2019	11:52:42	0.3	0.3	0.4	0.4
436	4/15/2019	11:53:12	0.3	0.3	0.4	0.3
437	4/15/2019	11:53:42	0.3	0.3	0.4	0.3
438	4/15/2019	11:54:12	0.3	0.4	0.4	0.4
439	4/15/2019	11:54:42	0.3	0.3	0.4	0.3
440	4/15/2019	11:55:12	0.3	0.4	0.4	0.4
441	4/15/2019	11:55:42	0.3	0.4	0.4	0.4
442	4/15/2019	11:56:12	0.3	0.4	0.4	0.4
443	4/15/2019	11:56:42	0.3	0.4	0.4	0.4
444	4/15/2019	11:57:12	0.3	0.4	0.4	0.3
445	4/15/2019	11:57:42	0.3	0.4	0.4	0.4
446	4/15/2019	11:58:12	0.3	0.4	0.4	0.3
447	4/15/2019	11:58:42	0.3	0.4	0.4	0.3
448	4/15/2019	11:59:12	0.3	0.4	0.4	0.4
449	4/15/2019	11:59:42	0.3	0.4	0.4	0.4
450	4/15/2019	12:00:12	0.3	0.4	0.4	0.4
451	4/15/2019	12:00:42	0.3	0.4	0.4	0.4
452	4/15/2019	12:01:12	0.3	0.4	0.4	0.4
453	4/15/2019	12:01:42	0.3	0.4	0.4	0.4
454	4/15/2019	12:02:12	0.3	0.4	0.4	0.4
455	4/15/2019	12:02:42	0.3	0.4	0.4	0.4
456	4/15/2019	12:03:12	0.4	0.4	0.4	0.4
457	4/15/2019	12:03:42	0.3	0.4	0.4	0.4
458	4/15/2019	12:04:12	0.4	0.4	0.4	0.4
459	4/15/2019	12:04:42	0.3	0.4	0.4	0.4
460	4/15/2019	12:05:12	0.4	0.4	0.4	0.4
461	4/15/2019	12:05:42	0.4	0.4	0.4	0.4
462	4/15/2019	12:06:12	0.3	0.4	0.4	0.4
463	4/15/2019	12:06:42	0.3	0.4	0.4	0.3
464	4/15/2019	12:07:12	0.3	0.4	0.4	0.4
465	4/15/2019	12:07:42	0.4	0.4	0.4	0.4
466	4/15/2019	12:08:12	0.4	0.4	0.4	0.4
467	4/15/2019	12:08:42	0.4	0.4	0.4	0.4
468	4/15/2019	12:09:12	0.3	0.4	0.4	0.4
469	4/15/2019	12:09:42	0.3	0.4	0.4	0.3
470	4/15/2019	12:10:12	0.3	0.4	0.4	0.4
471	4/15/2019	12:10:42	0.3	0.4	0.4	0.4
472	4/15/2019	12:11:12	0.3	0.4	0.4	0.4
473	4/15/2019	12:11:42	0.3	0.4	0.4	0.4
474	4/15/2019	12:12:12	0.4	0.4	0.4	0.4
475	4/15/2019	12:12:42	0.4	0.4	0.4	0.4
476	4/15/2019	12:13:12	0.4	0.4	0.5	0.5

477	4/15/2019 12:13:42	0.4	0.4	0.5	0.4
478	4/15/2019 12:14:12	0.4	0.4	0.4	0.4
479	4/15/2019 12:14:42	0.3	0.4	0.4	0.3
480	4/15/2019 12:15:12	0.4	0.4	0.4	0.4
481	4/15/2019 12:15:42	0.4	0.4	0.6	0.6
482	4/15/2019 12:16:12	0.4	0.5	0.7	0.4
483	4/15/2019 12:16:42	0.4	0.4	0.4	0.4
484	4/15/2019 12:17:12	0.4	0.4	0.4	0.4
485	4/15/2019 12:17:42	0.4	0.4	0.4	0.4
486	4/15/2019 12:18:12	0.4	0.4	0.4	0.4
487	4/15/2019 12:18:42	0.4	0.4	0.4	0.4
488	4/15/2019 12:19:12	0.4	0.4	0.4	0.4
489	4/15/2019 12:19:42	0.4	0.4	0.4	0.4
490	4/15/2019 12:20:12	0.3	0.4	0.4	0.3
491	4/15/2019 12:20:42	0.4	0.4	0.4	0.4
492	4/15/2019 12:21:12	0.4	0.4	0.4	0.4
493	4/15/2019 12:21:42	0.3	0.4	0.4	0.4
494	4/15/2019 12:22:12	0.4	0.4	0.4	0.4
495	4/15/2019 12:22:42	0.4	0.4	0.4	0.4
496	4/15/2019 12:23:12	0.4	0.4	0.4	0.4
497	4/15/2019 12:23:42	0.4	0.4	0.4	0.4
498	4/15/2019 12:24:12	0.3	0.4	0.4	0.4
499	4/15/2019 12:24:42	0.4	0.4	0.4	0.4
500	4/15/2019 12:25:12	0.4	0.4	0.4	0.4
501	4/15/2019 12:25:42	0.4	0.4	0.4	0.4
502	4/15/2019 12:26:12	0.4	0.4	0.4	0.4
503	4/15/2019 12:26:42	0.3	0.4	0.4	0.4
504	4/15/2019 12:27:12	0.4	0.4	0.4	0.4
505	4/15/2019 12:27:42	0.4	0.4	0.4	0.4
506	4/15/2019 12:28:12	0.4	0.4	0.4	0.4
507	4/15/2019 12:28:42	0.4	0.4	0.4	0.4
508	4/15/2019 12:29:12	0.4	0.4	0.4	0.4
509	4/15/2019 12:29:42	0.4	0.4	0.4	0.4
510	4/15/2019 12:30:12	0.4	0.4	0.4	0.4
511	4/15/2019 12:30:42	0.4	0.4	0.4	0.4
512	4/15/2019 12:31:12	0.4	0.4	0.4	0.4
513	4/15/2019 12:31:42	0.4	0.4	0.4	0.4
514	4/15/2019 12:32:12	0.4	0.4	0.4	0.4
515	4/15/2019 12:32:42	0.4	0.4	0.4	0.4
516	4/15/2019 12:33:12	0.4	0.4	0.4	0.4
517	4/15/2019 12:33:42	0.4	0.4	0.4	0.4
518	4/15/2019 12:34:12	0.4	0.4	0.4	0.4
519	4/15/2019 12:34:42	0.4	0.4	0.4	0.4
520	4/15/2019 12:35:12	0.4	0.4	0.4	0.4
521	4/15/2019 12:35:42	0.4	0.4	0.4	0.4
522	4/15/2019 12:36:12	0.3	0.4	0.4	0.3
523	4/15/2019 12:36:42	0.3	0.4	0.4	0.4
524	4/15/2019 12:37:12	0.4	0.4	0.4	0.4
525	4/15/2019 12:37:42	0.4	0.4	0.4	0.4
526	4/15/2019 12:38:12	0.4	0.4	0.4	0.4
527	4/15/2019 12:38:42	0.4	0.4	0.4	0.4
528	4/15/2019 12:39:12	0.4	0.4	0.4	0.4
529	4/15/2019 12:39:42	0.4	0.4	0.4	0.4
530	4/15/2019 12:40:12	0.4	0.4	0.4	0.4
531	4/15/2019 12:40:42	0.4	0.4	0.4	0.4
532	4/15/2019 12:41:12	0.4	0.4	0.5	0.4
533	4/15/2019 12:41:42	0.4	0.4	0.5	0.4

534	4/15/2019	12:42:12	0.4	0.4	0.4	0.4
535	4/15/2019	12:42:42	0.4	0.4	0.4	0.4
536	4/15/2019	12:43:12	0.4	0.4	0.4	0.4
537	4/15/2019	12:43:42	0.4	0.4	0.5	0.4
538	4/15/2019	12:44:12	0.4	0.4	0.5	0.4
539	4/15/2019	12:44:42	0.4	0.4	0.4	0.4
540	4/15/2019	12:45:12	0.4	0.4	0.4	0.4
541	4/15/2019	12:45:42	0.4	0.4	0.5	0.4
542	4/15/2019	12:46:12	0.4	0.4	0.4	0.4
543	4/15/2019	12:46:42	0.4	0.4	0.4	0.4
544	4/15/2019	12:47:12	0.4	0.4	0.4	0.4
545	4/15/2019	12:47:42	0.4	0.4	0.4	0.4
546	4/15/2019	12:48:12	0.4	0.4	0.4	0.4
547	4/15/2019	12:48:42	0.4	0.4	0.4	0.4
548	4/15/2019	12:49:12	0.3	0.4	0.4	0.4
549	4/15/2019	12:49:42	0.4	0.4	0.4	0.4
550	4/15/2019	12:50:12	0.4	0.4	0.4	0.4
551	4/15/2019	12:50:42	0.4	0.4	0.4	0.4
552	4/15/2019	12:51:12	0.4	0.4	0.4	0.4
553	4/15/2019	12:51:42	0.4	0.4	0.5	0.4
554	4/15/2019	12:52:12	0.4	0.4	0.5	0.4
555	4/15/2019	12:52:42	0.4	0.4	0.4	0.4
556	4/15/2019	12:53:12	0.4	0.4	0.5	0.4
557	4/15/2019	12:53:42	0.4	0.4	0.5	0.4
558	4/15/2019	12:54:12	0.4	0.4	0.4	0.4
559	4/15/2019	12:54:42	0.4	0.4	0.5	0.4
560	4/15/2019	12:55:12	0.4	0.4	0.4	0.4
561	4/15/2019	12:55:42	0.4	0.4	0.5	0.4
562	4/15/2019	12:56:12	0.4	0.4	0.4	0.4
563	4/15/2019	12:56:42	0.4	0.4	0.4	0.4
564	4/15/2019	12:57:12	0.4	0.4	0.5	0.4
565	4/15/2019	12:57:42	0.4	0.4	0.5	0.5
566	4/15/2019	12:58:12	0.3	0.4	0.5	0.5
567	4/15/2019	12:58:42	0.4	0.4	0.5	0.4
568	4/15/2019	12:59:12	0.4	0.4	0.5	0.4
569	4/15/2019	12:59:42	0.4	0.4	0.4	0.4
570	4/15/2019	13:00:12	0.3	0.4	0.5	0.4
571	4/15/2019	13:00:42	0.3	0.4	0.5	0.4
572	4/15/2019	13:01:12	0.3	0.4	0.4	0.4
573	4/15/2019	13:01:42	0.3	0.4	0.5	0.5
574	4/15/2019	13:02:12	0.4	0.4	0.5	0.4
575	4/15/2019	13:02:42	0.3	0.4	0.5	0.4
576	4/15/2019	13:03:12	0.3	0.4	0.5	0.5
577	4/15/2019	13:03:42	0.4	0.4	0.5	0.4
578	4/15/2019	13:04:12	0.4	0.4	0.5	0.4
579	4/15/2019	13:04:42	0.4	0.4	0.5	0.5
580	4/15/2019	13:05:12	0.4	0.4	0.5	0.4
581	4/15/2019	13:05:42	0.4	0.4	0.5	0.5
582	4/15/2019	13:06:12	0.3	0.4	0.5	0.4
583	4/15/2019	13:06:42	0.4	0.4	0.5	0.5
584	4/15/2019	13:07:12	0.4	0.4	0.5	0.5
585	4/15/2019	13:07:42	0.4	0.4	0.5	0.4
586	4/15/2019	13:08:12	0.4	0.4	0.5	0.5
587	4/15/2019	13:08:42	0.3	0.4	0.5	0.4
588	4/15/2019	13:09:12	0.3	0.4	0.5	0.4
589	4/15/2019	13:09:42	0.2	0.4	0.5	0.4
590	4/15/2019	13:10:12	0.3	0.4	0.5	0.4

591	4/15/2019	13:10:42	0.3	0.4	0.5	0.5
592	4/15/2019	13:11:12	0.4	0.4	0.5	0.4
593	4/15/2019	13:11:42	0.3	0.4	0.5	0.5
594	4/15/2019	13:12:12	0.2	0.4	0.5	0.4
595	4/15/2019	13:12:42	0.3	0.4	0.5	0.4
596	4/15/2019	13:13:12	0.4	0.4	0.5	0.4
597	4/15/2019	13:13:42	0.3	0.4	0.5	0.5
598	4/15/2019	13:14:12	0.3	0.4	0.5	0.4
599	4/15/2019	13:14:42	0.4	0.4	0.5	0.5
600	4/15/2019	13:15:12	0.4	0.4	0.5	0.5
601	4/15/2019	13:15:42	0.4	0.4	0.5	0.4
602	4/15/2019	13:16:12	0.3	0.4	0.5	0.3
603	4/15/2019	13:16:42	0.4	0.5	0.5	0.5
604	4/15/2019	13:17:12	0.3	0.4	0.5	0.5
605	4/15/2019	13:17:42	0.4	0.5	0.5	0.4
606	4/15/2019	13:18:12	0.4	0.5	0.5	0.5
607	4/15/2019	13:18:42	0.4	0.5	0.5	0.5
608	4/15/2019	13:19:12	0.4	0.5	0.5	0.5
609	4/15/2019	13:19:42	0.4	0.5	0.5	0.5
610	4/15/2019	13:20:12	0.4	0.5	0.5	0.5
611	4/15/2019	13:20:42	0.4	0.5	0.6	0.6
612	4/15/2019	13:21:12	0.5	0.5	0.6	0.5
613	4/15/2019	13:21:42	0.4	0.5	0.5	0.5
614	4/15/2019	13:22:12	0.5	0.5	0.5	0.5
615	4/15/2019	13:22:42	0.4	0.5	0.5	0.5
616	4/15/2019	13:23:12	0.5	0.5	0.5	0.5
617	4/15/2019	13:23:42	0.4	0.5	0.5	0.5
618	4/15/2019	13:24:12	0.4	0.5	0.5	0.5
619	4/15/2019	13:24:42	0.5	0.5	0.5	0.5
620	4/15/2019	13:25:12	0.4	0.5	0.5	0.5
621	4/15/2019	13:25:42	0.5	0.5	0.5	0.5
622	4/15/2019	13:26:12	0.5	0.5	0.5	0.5
623	4/15/2019	13:26:42	0.5	0.5	0.5	0.5
624	4/15/2019	13:27:12	0.4	0.5	0.5	0.5
625	4/15/2019	13:27:42	0.5	0.5	0.5	0.5
626	4/15/2019	13:28:12	0.5	0.5	0.5	0.5
627	4/15/2019	13:28:42	0.5	0.5	0.5	0.5
628	4/15/2019	13:29:12	0.5	0.5	0.5	0.5
629	4/15/2019	13:29:42	0.5	0.5	0.5	0.5
630	4/15/2019	13:30:12	0.5	0.5	0.5	0.5
631	4/15/2019	13:30:42	0.5	0.5	0.5	0.5
632	4/15/2019	13:31:12	0.5	0.5	0.5	0.5
633	4/15/2019	13:31:42	0.5	0.5	0.5	0.5
634	4/15/2019	13:32:12	0.5	0.5	0.5	0.5
635	4/15/2019	13:32:42	0.5	0.5	0.5	0.5
636	4/15/2019	13:33:12	0.5	0.5	0.5	0.5
637	4/15/2019	13:33:42	0.4	0.5	0.5	0.4
638	4/15/2019	13:34:12	0.4	0.5	0.5	0.5
639	4/15/2019	13:34:42	0.5	0.5	0.5	0.5
640	4/15/2019	13:35:12	0.5	0.5	0.5	0.5
641	4/15/2019	13:35:42	0.5	0.5	0.5	0.5
642	4/15/2019	13:36:12	0.5	0.5	0.5	0.5
643	4/15/2019	13:36:42	0.5	0.5	0.5	0.5
644	4/15/2019	13:37:12	0.5	0.5	0.5	0.5
645	4/15/2019	13:37:42	0.5	0.5	0.5	0.5
646	4/15/2019	13:38:12	0.5	0.5	0.5	0.5
647	4/15/2019	13:38:42	0.4	0.5	0.5	0.4

648	4/15/2019	13:39:12	0.4	0.5	0.5	0.5
649	4/15/2019	13:39:42	0.4	0.5	0.5	0.5
650	4/15/2019	13:40:12	0.5	0.5	0.5	0.5
651	4/15/2019	13:40:42	0.4	0.5	0.5	0.5
652	4/15/2019	13:41:12	0.4	0.5	0.5	0.5
653	4/15/2019	13:41:42	0.5	0.5	0.5	0.5
654	4/15/2019	13:42:12	0.5	0.5	0.5	0.5
655	4/15/2019	13:42:42	0.5	0.5	0.5	0.5
656	4/15/2019	13:43:12	0.4	0.5	0.5	0.5
657	4/15/2019	13:43:42	0.4	0.5	0.5	0.5
658	4/15/2019	13:44:12	0.5	0.5	0.5	0.5
659	4/15/2019	13:44:42	0.5	0.5	0.5	0.5
660	4/15/2019	13:45:12	0.5	0.5	0.5	0.5
661	4/15/2019	13:45:42	0.5	0.5	0.5	0.5
662	4/15/2019	13:46:12	0.5	0.5	0.5	0.5
663	4/15/2019	13:46:42	0.5	0.5	0.5	0.5
664	4/15/2019	13:47:12	0.5	0.5	0.7	0.6
665	4/15/2019	13:47:42	0.5	0.5	0.7	0.5
666	4/15/2019	13:48:12	0.5	0.5	0.5	0.5
667	4/15/2019	13:48:42	0.5	0.5	0.5	0.5
668	4/15/2019	13:49:12	0.5	0.5	0.5	0.5
669	4/15/2019	13:49:42	0.5	0.5	0.5	0.5
670	4/15/2019	13:50:12	0.5	0.5	0.5	0.5
671	4/15/2019	13:50:42	0.5	0.5	0.5	0.5
672	4/15/2019	13:51:12	0.5	0.5	0.5	0.5
673	4/15/2019	13:51:42	0.5	0.5	0.5	0.5
674	4/15/2019	13:52:12	0.4	0.5	0.5	0.5
675	4/15/2019	13:52:42	0.5	0.5	0.5	0.5
676	4/15/2019	13:53:12	0.5	0.5	0.5	0.5
677	4/15/2019	13:53:42	0.5	0.5	0.5	0.5
678	4/15/2019	13:54:12	0.5	0.5	0.5	0.5
679	4/15/2019	13:54:42	0.5	0.5	0.5	0.5
680	4/15/2019	13:55:12	0.5	0.5	0.5	0.5
681	4/15/2019	13:55:42	0.5	0.5	0.5	0.5
682	4/15/2019	13:56:12	0.5	0.5	0.5	0.5
683	4/15/2019	13:56:42	0.5	0.5	0.5	0.5
684	4/15/2019	13:57:12	0.5	0.5	0.5	0.5
685	4/15/2019	13:57:42	0.5	0.5	0.5	0.5
686	4/15/2019	13:58:12	0.5	0.5	0.5	0.5
687	4/15/2019	13:58:42	0.5	0.5	0.5	0.5
688	4/15/2019	13:59:12	0.5	0.5	0.5	0.5
689	4/15/2019	13:59:42	0.5	0.5	0.5	0.5
690	4/15/2019	14:00:12	0.5	0.5	0.5	0.5
691	4/15/2019	14:00:42	0.5	0.5	0.5	0.5
692	4/15/2019	14:01:12	0.5	0.5	0.5	0.5
693	4/15/2019	14:01:42	0.5	0.5	0.5	0.5
694	4/15/2019	14:02:12	0.5	0.5	0.5	0.5
695	4/15/2019	14:02:42	0.5	0.5	0.5	0.5
696	4/15/2019	14:03:12	0.5	0.5	0.5	0.5
697	4/15/2019	14:03:42	0.5	0.5	0.5	0.5
698	4/15/2019	14:04:12	0.5	0.5	0.5	0.5
699	4/15/2019	14:04:42	0.5	0.5	0.5	0.5
700	4/15/2019	14:05:12	0.5	0.5	0.5	0.5
701	4/15/2019	14:05:42	0.5	0.5	0.5	0.5
702	4/15/2019	14:06:12	0.5	0.5	0.5	0.5
703	4/15/2019	14:06:42	0.5	0.5	0.5	0.5
704	4/15/2019	14:07:12	0.5	0.5	0.5	0.5

705	4/15/2019 14:07:42	0.5	0.6	0.6	0.6
706	4/15/2019 14:08:12	0.5	0.5	0.6	0.5
707	4/15/2019 14:08:42	0.5	0.5	0.5	0.5
708	4/15/2019 14:09:12	0.5	0.5	0.5	0.5
709	4/15/2019 14:09:42	0.5	0.5	0.5	0.5
710	4/15/2019 14:10:12	0.5	0.5	0.5	0.5
711	4/15/2019 14:10:42	0.5	0.5	0.5	0.5
712	4/15/2019 14:11:12	0.5	0.5	0.5	0.5
713	4/15/2019 14:11:42	0.5	0.5	0.5	0.5
714	4/15/2019 14:12:12	0.5	0.5	0.5	0.5
715	4/15/2019 14:12:42	0.5	0.5	0.5	0.5
716	4/15/2019 14:13:12	0.5	0.5	0.5	0.5
717	4/15/2019 14:13:42	0.5	0.5	0.5	0.5
718	4/15/2019 14:14:12	0.5	0.5	0.5	0.5
719	4/15/2019 14:14:42	0.5	0.5	0.5	0.5
720	4/15/2019 14:15:12	0.5	0.6	0.8	0.5
721	4/15/2019 14:15:42	0.5	0.5	0.5	0.5
722	4/15/2019 14:16:12	0.5	0.5	0.5	0.5
723	4/15/2019 14:16:42	0.5	0.5	0.5	0.5
724	4/15/2019 14:17:12	0.5	0.5	0.5	0.5
725	4/15/2019 14:17:42	0.5	0.5	0.5	0.5
726	4/15/2019 14:18:12	0.5	0.6	0.9	0.7
727	4/15/2019 14:18:42	0.5	0.6	0.7	0.5
728	4/15/2019 14:19:12	0.5	0.5	0.5	0.5
729	4/15/2019 14:19:42	0.5	0.5	0.6	0.6
730	4/15/2019 14:20:12	0.5	0.5	0.6	0.6
731	4/15/2019 14:20:42	0.5	0.5	0.6	0.5
732	4/15/2019 14:21:12	0.5	0.5	0.6	0.6
733	4/15/2019 14:21:42	0.5	0.5	0.6	0.5
734	4/15/2019 14:22:12	0.5	0.5	0.6	0.5
735	4/15/2019 14:22:42	0.5	0.5	0.6	0.5
736	4/15/2019 14:23:12	0.5	0.5	0.6	0.5
737	4/15/2019 14:23:42	0.5	0.5	0.6	0.6
738	4/15/2019 14:24:12	0.5	0.5	0.6	0.5
739	4/15/2019 14:24:42	0.5	0.5	0.5	0.5
740	4/15/2019 14:25:12	0.5	0.5	0.5	0.5
741	4/15/2019 14:25:42	0.5	0.5	0.6	0.5
742	4/15/2019 14:26:12	0.5	0.6	0.6	0.6
743	4/15/2019 14:26:42	0.5	0.6	0.6	0.5
744	4/15/2019 14:27:12	0.5	0.5	0.5	0.5
745	4/15/2019 14:27:42	0.5	0.5	0.5	0.5
746	4/15/2019 14:28:12	0.5	0.5	0.6	0.5
747	4/15/2019 14:28:42	0.5	0.5	0.6	0.5
748	4/15/2019 14:29:12	0.5	0.5	0.5	0.5
749	4/15/2019 14:29:42	0.5	0.5	0.6	0.5
750	4/15/2019 14:30:12	0.5	0.5	0.5	0.5
751	4/15/2019 14:30:42	0.5	0.5	0.5	0.5
752	4/15/2019 14:31:12	0.5	0.5	0.5	0.5
753	4/15/2019 14:31:42	0.5	0.5	0.6	0.5
754	4/15/2019 14:32:12	0.5	0.5	0.5	0.5
755	4/15/2019 14:32:42	0.5	0.5	0.6	0.5
756	4/15/2019 14:33:12	0.5	0.5	0.5	0.5
757	4/15/2019 14:33:42	0.5	0.5	0.5	0.5
758	4/15/2019 14:34:12	0.5	0.5	0.5	0.5
759	4/15/2019 14:34:42	0.5	0.5	0.5	0.5
760	4/15/2019 14:35:12	0.5	0.5	0.5	0.5
761	4/15/2019 14:35:42	0.5	0.5	0.5	0.5

762 4/15/2019 14:36:12 0.5 0.5 0.5 0.5
Peak 0.5 0.6 1.0 0.7
Min 0.0 0.0 0.0 0.0
Average 0.3 0.3 0.3 0.3

****

TWA/STEL

Index	PID(ppm) Date/Time	PID(ppm) (TWA)	(STEL)
001	4/15/2019 08:15:42	0.0	---
002	4/15/2019 08:16:12	0.0	---
003	4/15/2019 08:16:42	0.0	---
004	4/15/2019 08:17:12	0.0	---
005	4/15/2019 08:17:42	0.0	---
006	4/15/2019 08:18:12	0.0	---
007	4/15/2019 08:18:42	0.0	---
008	4/15/2019 08:19:12	0.0	---
009	4/15/2019 08:19:42	0.0	---
010	4/15/2019 08:20:12	0.0	---
011	4/15/2019 08:20:42	0.0	---
012	4/15/2019 08:21:12	0.0	---
013	4/15/2019 08:21:42	0.0	---
014	4/15/2019 08:22:12	0.0	---
015	4/15/2019 08:22:42	0.0	---
016	4/15/2019 08:23:12	0.0	---
017	4/15/2019 08:23:42	0.0	---
018	4/15/2019 08:24:12	0.0	---
019	4/15/2019 08:24:42	0.0	---
020	4/15/2019 08:25:12	0.0	---
021	4/15/2019 08:25:42	0.0	---
022	4/15/2019 08:26:12	0.0	---
023	4/15/2019 08:26:42	0.0	---
024	4/15/2019 08:27:12	0.0	---
025	4/15/2019 08:27:42	0.0	---
026	4/15/2019 08:28:12	0.0	---
027	4/15/2019 08:28:42	0.0	---
028	4/15/2019 08:29:12	0.0	---
029	4/15/2019 08:29:42	0.0	---
030	4/15/2019 08:30:12	0.0	0.0
031	4/15/2019 08:30:42	0.0	0.0
032	4/15/2019 08:31:12	0.0	0.0
033	4/15/2019 08:31:42	0.0	0.0
034	4/15/2019 08:32:12	0.0	0.0
035	4/15/2019 08:32:42	0.0	0.0
036	4/15/2019 08:33:12	0.0	0.0
037	4/15/2019 08:33:42	0.0	0.0
038	4/15/2019 08:34:12	0.0	0.0
039	4/15/2019 08:34:42	0.0	0.0
040	4/15/2019 08:35:12	0.0	0.0
041	4/15/2019 08:35:42	0.0	0.0
042	4/15/2019 08:36:12	0.0	0.0
043	4/15/2019 08:36:42	0.0	0.0
044	4/15/2019 08:37:12	0.0	0.0
045	4/15/2019 08:37:42	0.0	0.0
046	4/15/2019 08:38:12	0.0	0.0
047	4/15/2019 08:38:42	0.0	0.0
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053	4/15/2019 08:41:42	0.0	0.0
054	4/15/2019 08:42:12	0.0	0.0
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056	4/15/2019 08:43:12	0.0	0.0
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059	4/15/2019 08:44:42	0.0	0.0
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061	4/15/2019 08:45:42	0.0	0.0
062	4/15/2019 08:46:12	0.0	0.0
063	4/15/2019 08:46:42	0.0	0.0
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075	4/15/2019 08:52:42	0.0	0.0
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079	4/15/2019 08:54:42	0.0	0.0
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093	4/15/2019 09:01:42	0.0	0.0
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135	4/15/2019 09:22:42	0.0	0.1
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145	4/15/2019 09:27:42	0.0	0.1
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176	4/15/2019 09:43:12	0.0	0.1
177	4/15/2019 09:43:42	0.0	0.1
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225	4/15/2019 10:07:42	0.0	0.2
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413	4/15/2019 11:41:42	0.1	0.3
414	4/15/2019 11:42:12	0.1	0.3
415	4/15/2019 11:42:42	0.1	0.3
416	4/15/2019 11:43:12	0.1	0.3
417	4/15/2019 11:43:42	0.1	0.3
418	4/15/2019 11:44:12	0.1	0.3
419	4/15/2019 11:44:42	0.1	0.3
420	4/15/2019 11:45:12	0.1	0.3
421	4/15/2019 11:45:42	0.1	0.3
422	4/15/2019 11:46:12	0.1	0.3
423	4/15/2019 11:46:42	0.1	0.3
424	4/15/2019 11:47:12	0.1	0.3
425	4/15/2019 11:47:42	0.1	0.3
426	4/15/2019 11:48:12	0.1	0.3
427	4/15/2019 11:48:42	0.1	0.3
428	4/15/2019 11:49:12	0.1	0.3
429	4/15/2019 11:49:42	0.1	0.3
430	4/15/2019 11:50:12	0.1	0.3
431	4/15/2019 11:50:42	0.1	0.3
432	4/15/2019 11:51:12	0.1	0.3
433	4/15/2019 11:51:42	0.1	0.3
434	4/15/2019 11:52:12	0.1	0.3
435	4/15/2019 11:52:42	0.1	0.3
436	4/15/2019 11:53:12	0.1	0.3
437	4/15/2019 11:53:42	0.1	0.3
438	4/15/2019 11:54:12	0.1	0.3
439	4/15/2019 11:54:42	0.1	0.3
440	4/15/2019 11:55:12	0.1	0.3
441	4/15/2019 11:55:42	0.1	0.3
442	4/15/2019 11:56:12	0.1	0.3
443	4/15/2019 11:56:42	0.1	0.3
444	4/15/2019 11:57:12	0.1	0.3
445	4/15/2019 11:57:42	0.1	0.3
446	4/15/2019 11:58:12	0.1	0.3
447	4/15/2019 11:58:42	0.1	0.3

448	4/15/2019 11:59:12	0.1	0.4
449	4/15/2019 11:59:42	0.1	0.4
450	4/15/2019 12:00:12	0.1	0.4
451	4/15/2019 12:00:42	0.1	0.4
452	4/15/2019 12:01:12	0.1	0.4
453	4/15/2019 12:01:42	0.1	0.4
454	4/15/2019 12:02:12	0.1	0.4
455	4/15/2019 12:02:42	0.1	0.4
456	4/15/2019 12:03:12	0.1	0.4
457	4/15/2019 12:03:42	0.1	0.4
458	4/15/2019 12:04:12	0.1	0.4
459	4/15/2019 12:04:42	0.1	0.4
460	4/15/2019 12:05:12	0.1	0.4
461	4/15/2019 12:05:42	0.1	0.4
462	4/15/2019 12:06:12	0.1	0.4
463	4/15/2019 12:06:42	0.1	0.4
464	4/15/2019 12:07:12	0.1	0.4
465	4/15/2019 12:07:42	0.1	0.4
466	4/15/2019 12:08:12	0.1	0.4
467	4/15/2019 12:08:42	0.1	0.4
468	4/15/2019 12:09:12	0.1	0.4
469	4/15/2019 12:09:42	0.1	0.4
470	4/15/2019 12:10:12	0.1	0.4
471	4/15/2019 12:10:42	0.1	0.4
472	4/15/2019 12:11:12	0.1	0.4
473	4/15/2019 12:11:42	0.1	0.4
474	4/15/2019 12:12:12	0.1	0.4
475	4/15/2019 12:12:42	0.1	0.4
476	4/15/2019 12:13:12	0.1	0.4
477	4/15/2019 12:13:42	0.1	0.4
478	4/15/2019 12:14:12	0.1	0.4
479	4/15/2019 12:14:42	0.1	0.4
480	4/15/2019 12:15:12	0.1	0.4
481	4/15/2019 12:15:42	0.1	0.4
482	4/15/2019 12:16:12	0.1	0.4
483	4/15/2019 12:16:42	0.1	0.4
484	4/15/2019 12:17:12	0.1	0.4
485	4/15/2019 12:17:42	0.1	0.4
486	4/15/2019 12:18:12	0.1	0.4
487	4/15/2019 12:18:42	0.1	0.4
488	4/15/2019 12:19:12	0.1	0.4
489	4/15/2019 12:19:42	0.1	0.4
490	4/15/2019 12:20:12	0.1	0.4
491	4/15/2019 12:20:42	0.1	0.4
492	4/15/2019 12:21:12	0.1	0.4
493	4/15/2019 12:21:42	0.1	0.4
494	4/15/2019 12:22:12	0.1	0.4
495	4/15/2019 12:22:42	0.1	0.4
496	4/15/2019 12:23:12	0.1	0.4
497	4/15/2019 12:23:42	0.1	0.4
498	4/15/2019 12:24:12	0.1	0.4
499	4/15/2019 12:24:42	0.1	0.4
500	4/15/2019 12:25:12	0.1	0.4
501	4/15/2019 12:25:42	0.1	0.4
502	4/15/2019 12:26:12	0.1	0.4
503	4/15/2019 12:26:42	0.1	0.4
504	4/15/2019 12:27:12	0.1	0.4

505	4/15/2019 12:27:42	0.1	0.4
506	4/15/2019 12:28:12	0.1	0.4
507	4/15/2019 12:28:42	0.1	0.4
508	4/15/2019 12:29:12	0.1	0.4
509	4/15/2019 12:29:42	0.1	0.4
510	4/15/2019 12:30:12	0.1	0.4
511	4/15/2019 12:30:42	0.1	0.4
512	4/15/2019 12:31:12	0.1	0.4
513	4/15/2019 12:31:42	0.1	0.4
514	4/15/2019 12:32:12	0.1	0.4
515	4/15/2019 12:32:42	0.1	0.4
516	4/15/2019 12:33:12	0.1	0.4
517	4/15/2019 12:33:42	0.1	0.4
518	4/15/2019 12:34:12	0.1	0.4
519	4/15/2019 12:34:42	0.1	0.4
520	4/15/2019 12:35:12	0.1	0.4
521	4/15/2019 12:35:42	0.1	0.4
522	4/15/2019 12:36:12	0.1	0.4
523	4/15/2019 12:36:42	0.1	0.4
524	4/15/2019 12:37:12	0.1	0.4
525	4/15/2019 12:37:42	0.1	0.4
526	4/15/2019 12:38:12	0.1	0.4
527	4/15/2019 12:38:42	0.1	0.4
528	4/15/2019 12:39:12	0.1	0.4
529	4/15/2019 12:39:42	0.1	0.4
530	4/15/2019 12:40:12	0.1	0.4
531	4/15/2019 12:40:42	0.1	0.4
532	4/15/2019 12:41:12	0.1	0.4
533	4/15/2019 12:41:42	0.1	0.4
534	4/15/2019 12:42:12	0.1	0.4
535	4/15/2019 12:42:42	0.1	0.4
536	4/15/2019 12:43:12	0.1	0.4
537	4/15/2019 12:43:42	0.1	0.4
538	4/15/2019 12:44:12	0.1	0.4
539	4/15/2019 12:44:42	0.1	0.4
540	4/15/2019 12:45:12	0.1	0.4
541	4/15/2019 12:45:42	0.1	0.4
542	4/15/2019 12:46:12	0.1	0.4
543	4/15/2019 12:46:42	0.1	0.4
544	4/15/2019 12:47:12	0.1	0.4
545	4/15/2019 12:47:42	0.1	0.4
546	4/15/2019 12:48:12	0.1	0.4
547	4/15/2019 12:48:42	0.1	0.4
548	4/15/2019 12:49:12	0.1	0.4
549	4/15/2019 12:49:42	0.1	0.4
550	4/15/2019 12:50:12	0.1	0.4
551	4/15/2019 12:50:42	0.1	0.4
552	4/15/2019 12:51:12	0.1	0.4
553	4/15/2019 12:51:42	0.1	0.4
554	4/15/2019 12:52:12	0.1	0.4
555	4/15/2019 12:52:42	0.1	0.4
556	4/15/2019 12:53:12	0.1	0.4
557	4/15/2019 12:53:42	0.1	0.4
558	4/15/2019 12:54:12	0.1	0.4
559	4/15/2019 12:54:42	0.1	0.4
560	4/15/2019 12:55:12	0.1	0.4
561	4/15/2019 12:55:42	0.1	0.4

562	4/15/2019 12:56:12	0.1	0.4
563	4/15/2019 12:56:42	0.1	0.4
564	4/15/2019 12:57:12	0.1	0.4
565	4/15/2019 12:57:42	0.1	0.4
566	4/15/2019 12:58:12	0.1	0.4
567	4/15/2019 12:58:42	0.1	0.4
568	4/15/2019 12:59:12	0.1	0.4
569	4/15/2019 12:59:42	0.1	0.4
570	4/15/2019 13:00:12	0.1	0.4
571	4/15/2019 13:00:42	0.1	0.4
572	4/15/2019 13:01:12	0.1	0.4
573	4/15/2019 13:01:42	0.1	0.4
574	4/15/2019 13:02:12	0.1	0.4
575	4/15/2019 13:02:42	0.1	0.4
576	4/15/2019 13:03:12	0.1	0.4
577	4/15/2019 13:03:42	0.1	0.4
578	4/15/2019 13:04:12	0.1	0.4
579	4/15/2019 13:04:42	0.1	0.4
580	4/15/2019 13:05:12	0.1	0.4
581	4/15/2019 13:05:42	0.1	0.4
582	4/15/2019 13:06:12	0.1	0.4
583	4/15/2019 13:06:42	0.1	0.4
584	4/15/2019 13:07:12	0.1	0.4
585	4/15/2019 13:07:42	0.1	0.4
586	4/15/2019 13:08:12	0.1	0.4
587	4/15/2019 13:08:42	0.1	0.4
588	4/15/2019 13:09:12	0.1	0.4
589	4/15/2019 13:09:42	0.1	0.4
590	4/15/2019 13:10:12	0.1	0.4
591	4/15/2019 13:10:42	0.1	0.4
592	4/15/2019 13:11:12	0.1	0.4
593	4/15/2019 13:11:42	0.1	0.5
594	4/15/2019 13:12:12	0.1	0.5
595	4/15/2019 13:12:42	0.1	0.5
596	4/15/2019 13:13:12	0.1	0.4
597	4/15/2019 13:13:42	0.1	0.4
598	4/15/2019 13:14:12	0.1	0.4
599	4/15/2019 13:14:42	0.1	0.5
600	4/15/2019 13:15:12	0.1	0.5
601	4/15/2019 13:15:42	0.1	0.5
602	4/15/2019 13:16:12	0.1	0.5
603	4/15/2019 13:16:42	0.1	0.5
604	4/15/2019 13:17:12	0.1	0.5
605	4/15/2019 13:17:42	0.1	0.5
606	4/15/2019 13:18:12	0.1	0.5
607	4/15/2019 13:18:42	0.2	0.5
608	4/15/2019 13:19:12	0.2	0.5
609	4/15/2019 13:19:42	0.2	0.5
610	4/15/2019 13:20:12	0.2	0.5
611	4/15/2019 13:20:42	0.2	0.5
612	4/15/2019 13:21:12	0.2	0.5
613	4/15/2019 13:21:42	0.2	0.5
614	4/15/2019 13:22:12	0.2	0.5
615	4/15/2019 13:22:42	0.2	0.5
616	4/15/2019 13:23:12	0.2	0.5
617	4/15/2019 13:23:42	0.2	0.5
618	4/15/2019 13:24:12	0.2	0.5

619	4/15/2019 13:24:42	0.2	0.5
620	4/15/2019 13:25:12	0.2	0.5
621	4/15/2019 13:25:42	0.2	0.5
622	4/15/2019 13:26:12	0.2	0.5
623	4/15/2019 13:26:42	0.2	0.5
624	4/15/2019 13:27:12	0.2	0.5
625	4/15/2019 13:27:42	0.2	0.5
626	4/15/2019 13:28:12	0.2	0.5
627	4/15/2019 13:28:42	0.2	0.5
628	4/15/2019 13:29:12	0.2	0.5
629	4/15/2019 13:29:42	0.2	0.5
630	4/15/2019 13:30:12	0.2	0.5
631	4/15/2019 13:30:42	0.2	0.5
632	4/15/2019 13:31:12	0.2	0.5
633	4/15/2019 13:31:42	0.2	0.5
634	4/15/2019 13:32:12	0.2	0.5
635	4/15/2019 13:32:42	0.2	0.5
636	4/15/2019 13:33:12	0.2	0.5
637	4/15/2019 13:33:42	0.2	0.5
638	4/15/2019 13:34:12	0.2	0.5
639	4/15/2019 13:34:42	0.2	0.5
640	4/15/2019 13:35:12	0.2	0.5
641	4/15/2019 13:35:42	0.2	0.5
642	4/15/2019 13:36:12	0.2	0.5
643	4/15/2019 13:36:42	0.2	0.5
644	4/15/2019 13:37:12	0.2	0.5
645	4/15/2019 13:37:42	0.2	0.5
646	4/15/2019 13:38:12	0.2	0.5
647	4/15/2019 13:38:42	0.2	0.5
648	4/15/2019 13:39:12	0.2	0.5
649	4/15/2019 13:39:42	0.2	0.5
650	4/15/2019 13:40:12	0.2	0.5
651	4/15/2019 13:40:42	0.2	0.5
652	4/15/2019 13:41:12	0.2	0.5
653	4/15/2019 13:41:42	0.2	0.5
654	4/15/2019 13:42:12	0.2	0.5
655	4/15/2019 13:42:42	0.2	0.5
656	4/15/2019 13:43:12	0.2	0.5
657	4/15/2019 13:43:42	0.2	0.5
658	4/15/2019 13:44:12	0.2	0.5
659	4/15/2019 13:44:42	0.2	0.5
660	4/15/2019 13:45:12	0.2	0.5
661	4/15/2019 13:45:42	0.2	0.5
662	4/15/2019 13:46:12	0.2	0.5
663	4/15/2019 13:46:42	0.2	0.5
664	4/15/2019 13:47:12	0.2	0.5
665	4/15/2019 13:47:42	0.2	0.5
666	4/15/2019 13:48:12	0.2	0.5
667	4/15/2019 13:48:42	0.2	0.5
668	4/15/2019 13:49:12	0.2	0.5
669	4/15/2019 13:49:42	0.2	0.5
670	4/15/2019 13:50:12	0.2	0.5
671	4/15/2019 13:50:42	0.2	0.5
672	4/15/2019 13:51:12	0.2	0.5
673	4/15/2019 13:51:42	0.2	0.5
674	4/15/2019 13:52:12	0.2	0.5
675	4/15/2019 13:52:42	0.2	0.5

676	4/15/2019	13:53:12	0.2	0.5
677	4/15/2019	13:53:42	0.2	0.5
678	4/15/2019	13:54:12	0.2	0.5
679	4/15/2019	13:54:42	0.2	0.5
680	4/15/2019	13:55:12	0.2	0.5
681	4/15/2019	13:55:42	0.2	0.5
682	4/15/2019	13:56:12	0.2	0.5
683	4/15/2019	13:56:42	0.2	0.5
684	4/15/2019	13:57:12	0.2	0.5
685	4/15/2019	13:57:42	0.2	0.5
686	4/15/2019	13:58:12	0.2	0.5
687	4/15/2019	13:58:42	0.2	0.5
688	4/15/2019	13:59:12	0.2	0.5
689	4/15/2019	13:59:42	0.2	0.5
690	4/15/2019	14:00:12	0.2	0.5
691	4/15/2019	14:00:42	0.2	0.5
692	4/15/2019	14:01:12	0.2	0.5
693	4/15/2019	14:01:42	0.2	0.5
694	4/15/2019	14:02:12	0.2	0.5
695	4/15/2019	14:02:42	0.2	0.5
696	4/15/2019	14:03:12	0.2	0.5
697	4/15/2019	14:03:42	0.2	0.5
698	4/15/2019	14:04:12	0.2	0.5
699	4/15/2019	14:04:42	0.2	0.5
700	4/15/2019	14:05:12	0.2	0.5
701	4/15/2019	14:05:42	0.2	0.5
702	4/15/2019	14:06:12	0.2	0.5
703	4/15/2019	14:06:42	0.2	0.5
704	4/15/2019	14:07:12	0.2	0.5
705	4/15/2019	14:07:42	0.2	0.5
706	4/15/2019	14:08:12	0.2	0.5
707	4/15/2019	14:08:42	0.2	0.5
708	4/15/2019	14:09:12	0.2	0.5
709	4/15/2019	14:09:42	0.2	0.5
710	4/15/2019	14:10:12	0.2	0.5
711	4/15/2019	14:10:42	0.2	0.5
712	4/15/2019	14:11:12	0.2	0.5
713	4/15/2019	14:11:42	0.2	0.5
714	4/15/2019	14:12:12	0.2	0.5
715	4/15/2019	14:12:42	0.2	0.5
716	4/15/2019	14:13:12	0.2	0.5
717	4/15/2019	14:13:42	0.2	0.5
718	4/15/2019	14:14:12	0.2	0.5
719	4/15/2019	14:14:42	0.2	0.5
720	4/15/2019	14:15:12	0.2	0.5
721	4/15/2019	14:15:42	0.2	0.5
722	4/15/2019	14:16:12	0.2	0.5
723	4/15/2019	14:16:42	0.2	0.5
724	4/15/2019	14:17:12	0.2	0.5
725	4/15/2019	14:17:42	0.2	0.5
726	4/15/2019	14:18:12	0.2	0.5
727	4/15/2019	14:18:42	0.2	0.5
728	4/15/2019	14:19:12	0.2	0.5
729	4/15/2019	14:19:42	0.2	0.5
730	4/15/2019	14:20:12	0.2	0.5
731	4/15/2019	14:20:42	0.2	0.5
732	4/15/2019	14:21:12	0.2	0.5

733	4/15/2019 14:21:42	0.2	0.5
734	4/15/2019 14:22:12	0.2	0.5
735	4/15/2019 14:22:42	0.2	0.5
736	4/15/2019 14:23:12	0.2	0.5
737	4/15/2019 14:23:42	0.2	0.5
738	4/15/2019 14:24:12	0.2	0.5
739	4/15/2019 14:24:42	0.2	0.5
740	4/15/2019 14:25:12	0.2	0.5
741	4/15/2019 14:25:42	0.2	0.5
742	4/15/2019 14:26:12	0.2	0.5
743	4/15/2019 14:26:42	0.2	0.5
744	4/15/2019 14:27:12	0.2	0.5
745	4/15/2019 14:27:42	0.2	0.5
746	4/15/2019 14:28:12	0.2	0.5
747	4/15/2019 14:28:42	0.2	0.5
748	4/15/2019 14:29:12	0.2	0.5
749	4/15/2019 14:29:42	0.2	0.5
750	4/15/2019 14:30:12	0.2	0.5
751	4/15/2019 14:30:42	0.2	0.5
752	4/15/2019 14:31:12	0.2	0.5
753	4/15/2019 14:31:42	0.2	0.5
754	4/15/2019 14:32:12	0.2	0.5
755	4/15/2019 14:32:42	0.2	0.5
756	4/15/2019 14:33:12	0.2	0.5
757	4/15/2019 14:33:42	0.2	0.5
758	4/15/2019 14:34:12	0.2	0.5
759	4/15/2019 14:34:42	0.2	0.5
760	4/15/2019 14:35:12	0.2	0.5
761	4/15/2019 14:35:42	0.2	0.5
762	4/15/2019 14:36:12	0.2	0.5

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19/04/16 07:24

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910551
Unit Firmware Ver	V2.16

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

Site ID	00000037
User ID	00000001

Begin	4/16/2019 07:24:57
End	4/16/2019 07:25:42
Sample Period(s)	30
Number of Records	1

Sensor	PID(ppm)
Sensor SN	S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/15/2019 08:04
Peak 0.4
Min 0.4
Average 0.4

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/16/2019 07:25:27	0.0	0.3	0.6	0.4
Peak		0.0	0.3	0.6	0.4
Min		0.0	0.3	0.6	0.4
Average			0.0	0.3	0.6	0.4

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/16/2019 07:25:27	0.0	---

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19/04/16 07:51

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin 4/16/2019 07:51:07
End 4/16/2019 14:26:27
Sample Period(s) 30
Number of Records 790

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0

Measurement Gas Isobutylene
Calibration Time 4/15/2019 08:04
Peak 0.2
Min 0.0
Average 0.0

****

Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/16/2019 07:51:37	0.0	0.0	0.0	0.0
002	4/16/2019 07:52:07	0.0	0.0	0.0	0.0
003	4/16/2019 07:52:37	0.0	0.0	0.0	0.0
004	4/16/2019 07:53:07	0.0	0.0	0.0	0.0
005	4/16/2019 07:53:37	0.0	0.0	0.0	0.0
006	4/16/2019 07:54:07	0.0	0.0	0.0	0.0
007	4/16/2019 07:54:37	0.0	0.0	0.0	0.0
008	4/16/2019 07:55:07	0.0	0.0	0.0	0.0
009	4/16/2019 07:55:37	0.0	0.0	0.0	0.0
010	4/16/2019 07:56:07	0.0	0.0	0.0	0.0
011	4/16/2019 07:56:37	0.0	0.0	0.0	0.0
012	4/16/2019 07:57:07	0.0	0.0	0.0	0.0
013	4/16/2019 07:57:37	0.0	0.0	0.0	0.0
014	4/16/2019 07:58:07	0.0	0.0	0.0	0.0
015	4/16/2019 07:58:37	0.0	0.0	0.0	0.0
016	4/16/2019 07:59:07	0.0	0.0	0.0	0.0
017	4/16/2019 07:59:37	0.0	0.0	0.0	0.0
018	4/16/2019 08:00:07	0.0	0.0	0.0	0.0
019	4/16/2019 08:00:37	0.0	0.0	0.0	0.0
020	4/16/2019 08:01:07	0.0	0.0	0.0	0.0
021	4/16/2019 08:01:37	0.0	0.0	0.0	0.0
022	4/16/2019 08:02:07	0.0	0.0	0.0	0.0
023	4/16/2019 08:02:37	0.0	0.0	0.0	0.0
024	4/16/2019 08:03:07	0.0	0.0	0.0	0.0
025	4/16/2019 08:03:37	0.0	0.0	0.0	0.0
026	4/16/2019 08:04:07	0.0	0.0	0.0	0.0
027	4/16/2019 08:04:37	0.0	0.0	0.0	0.0
028	4/16/2019 08:05:07	0.0	0.0	0.0	0.0
029	4/16/2019 08:05:37	0.0	0.0	0.0	0.0
030	4/16/2019 08:06:07	0.0	0.0	0.0	0.0
031	4/16/2019 08:06:37	0.0	0.0	0.0	0.0
032	4/16/2019 08:07:07	0.0	0.0	0.0	0.0
033	4/16/2019 08:07:37	0.0	0.0	0.0	0.0
034	4/16/2019 08:08:07	0.0	0.0	0.0	0.0
035	4/16/2019 08:08:37	0.0	0.0	0.0	0.0
036	4/16/2019 08:09:07	0.0	0.0	0.0	0.0
037	4/16/2019 08:09:37	0.0	0.0	0.0	0.0
038	4/16/2019 08:10:07	0.0	0.0	0.0	0.0
039	4/16/2019 08:10:37	0.0	0.0	0.0	0.0
040	4/16/2019 08:11:07	0.0	0.0	0.0	0.0
041	4/16/2019 08:11:37	0.0	0.0	0.0	0.0
042	4/16/2019 08:12:07	0.0	0.0	0.0	0.0
043	4/16/2019 08:12:37	0.0	0.0	0.0	0.0
044	4/16/2019 08:13:07	0.0	0.0	0.0	0.0
045	4/16/2019 08:13:37	0.0	0.0	0.0	0.0
046	4/16/2019 08:14:07	0.0	0.0	0.0	0.0
047	4/16/2019 08:14:37	0.0	0.0	0.0	0.0

048	4/16/2019 08:15:07	0.0	0.0	0.0	0.0
049	4/16/2019 08:15:37	0.0	0.0	0.0	0.0
050	4/16/2019 08:16:07	0.0	0.0	0.0	0.0
051	4/16/2019 08:16:37	0.0	0.0	0.0	0.0
052	4/16/2019 08:17:07	0.0	0.0	0.0	0.0
053	4/16/2019 08:17:37	0.0	0.0	0.0	0.0
054	4/16/2019 08:18:07	0.0	0.0	0.0	0.0
055	4/16/2019 08:18:37	0.0	0.0	0.0	0.0
056	4/16/2019 08:19:07	0.0	0.0	0.0	0.0
057	4/16/2019 08:19:37	0.0	0.0	0.0	0.0
058	4/16/2019 08:20:07	0.0	0.0	0.0	0.0
059	4/16/2019 08:20:37	0.0	0.0	0.0	0.0
060	4/16/2019 08:21:07	0.0	0.0	0.0	0.0
061	4/16/2019 08:21:37	0.0	0.0	0.0	0.0
062	4/16/2019 08:22:07	0.0	0.0	0.0	0.0
063	4/16/2019 08:22:37	0.0	0.0	0.0	0.0
064	4/16/2019 08:23:07	0.0	0.0	0.0	0.0
065	4/16/2019 08:23:37	0.0	0.0	0.0	0.0
066	4/16/2019 08:24:07	0.0	0.0	0.0	0.0
067	4/16/2019 08:24:37	0.0	0.0	0.0	0.0
068	4/16/2019 08:25:07	0.0	0.0	0.0	0.0
069	4/16/2019 08:25:37	0.0	0.0	0.0	0.0
070	4/16/2019 08:26:07	0.0	0.0	0.0	0.0
071	4/16/2019 08:26:37	0.0	0.0	0.0	0.0
072	4/16/2019 08:27:07	0.0	0.0	0.0	0.0
073	4/16/2019 08:27:37	0.0	0.0	0.0	0.0
074	4/16/2019 08:28:07	0.0	0.0	0.0	0.0
075	4/16/2019 08:28:37	0.0	0.0	0.0	0.0
076	4/16/2019 08:29:07	0.0	0.0	0.0	0.0
077	4/16/2019 08:29:37	0.0	0.0	0.0	0.0
078	4/16/2019 08:30:07	0.0	0.0	0.0	0.0
079	4/16/2019 08:30:37	0.0	0.0	0.0	0.0
080	4/16/2019 08:31:07	0.0	0.0	0.0	0.0
081	4/16/2019 08:31:37	0.0	0.0	0.0	0.0
082	4/16/2019 08:32:07	0.0	0.0	0.0	0.0
083	4/16/2019 08:32:37	0.0	0.0	0.0	0.0
084	4/16/2019 08:33:07	0.0	0.0	0.0	0.0
085	4/16/2019 08:33:37	0.0	0.0	0.0	0.0
086	4/16/2019 08:34:07	0.0	0.0	0.0	0.0
087	4/16/2019 08:34:37	0.0	0.0	0.0	0.0
088	4/16/2019 08:35:07	0.0	0.0	0.0	0.0
089	4/16/2019 08:35:37	0.0	0.0	0.0	0.0
090	4/16/2019 08:36:07	0.0	0.0	0.0	0.0
091	4/16/2019 08:36:37	0.0	0.0	0.0	0.0
092	4/16/2019 08:37:07	0.0	0.0	0.0	0.0
093	4/16/2019 08:37:37	0.0	0.0	0.0	0.0
094	4/16/2019 08:38:07	0.0	0.0	0.0	0.0
095	4/16/2019 08:38:37	0.0	0.0	0.0	0.0
096	4/16/2019 08:39:07	0.0	0.0	0.0	0.0
097	4/16/2019 08:39:37	0.0	0.0	0.0	0.0
098	4/16/2019 08:40:07	0.0	0.0	0.0	0.0
099	4/16/2019 08:40:37	0.0	0.0	0.0	0.0
100	4/16/2019 08:41:07	0.0	0.0	0.0	0.0
101	4/16/2019 08:41:37	0.0	0.0	0.0	0.0
102	4/16/2019 08:42:07	0.0	0.0	0.0	0.0
103	4/16/2019 08:42:37	0.0	0.0	0.0	0.0
104	4/16/2019 08:43:07	0.0	0.0	0.0	0.0

105	4/16/2019 08:43:37	0.0	0.0	0.0	0.0
106	4/16/2019 08:44:07	0.0	0.0	0.0	0.0
107	4/16/2019 08:44:37	0.0	0.0	0.0	0.0
108	4/16/2019 08:45:07	0.0	0.0	0.0	0.0
109	4/16/2019 08:45:37	0.0	0.0	0.0	0.0
110	4/16/2019 08:46:07	0.0	0.0	0.0	0.0
111	4/16/2019 08:46:37	0.0	0.0	0.0	0.0
112	4/16/2019 08:47:07	0.0	0.0	0.0	0.0
113	4/16/2019 08:47:37	0.0	0.0	0.0	0.0
114	4/16/2019 08:48:07	0.0	0.0	0.0	0.0
115	4/16/2019 08:48:37	0.0	0.0	0.0	0.0
116	4/16/2019 08:49:07	0.0	0.0	0.0	0.0
117	4/16/2019 08:49:37	0.0	0.0	0.0	0.0
118	4/16/2019 08:50:07	0.0	0.0	0.0	0.0
119	4/16/2019 08:50:37	0.0	0.0	0.0	0.0
120	4/16/2019 08:51:07	0.0	0.0	0.0	0.0
121	4/16/2019 08:51:37	0.0	0.0	0.0	0.0
122	4/16/2019 08:52:07	0.0	0.0	0.0	0.0
123	4/16/2019 08:52:37	0.0	0.0	0.0	0.0
124	4/16/2019 08:53:07	0.0	0.0	0.0	0.0
125	4/16/2019 08:53:37	0.0	0.0	0.0	0.0
126	4/16/2019 08:54:07	0.0	0.0	0.0	0.0
127	4/16/2019 08:54:37	0.0	0.0	0.0	0.0
128	4/16/2019 08:55:07	0.0	0.0	0.0	0.0
129	4/16/2019 08:55:37	0.0	0.0	0.0	0.0
130	4/16/2019 08:56:07	0.0	0.0	0.0	0.0
131	4/16/2019 08:56:37	0.0	0.0	0.0	0.0
132	4/16/2019 08:57:07	0.0	0.0	0.0	0.0
133	4/16/2019 08:57:37	0.0	0.0	0.0	0.0
134	4/16/2019 08:58:07	0.0	0.0	0.0	0.0
135	4/16/2019 08:58:37	0.0	0.0	0.0	0.0
136	4/16/2019 08:59:07	0.0	0.0	0.0	0.0
137	4/16/2019 08:59:37	0.0	0.0	0.0	0.0
138	4/16/2019 09:00:07	0.0	0.0	0.0	0.0
139	4/16/2019 09:00:37	0.0	0.0	0.0	0.0
140	4/16/2019 09:01:07	0.0	0.0	0.0	0.0
141	4/16/2019 09:01:37	0.0	0.0	0.0	0.0
142	4/16/2019 09:02:07	0.0	0.0	0.0	0.0
143	4/16/2019 09:02:37	0.0	0.0	0.0	0.0
144	4/16/2019 09:03:07	0.0	0.0	0.0	0.0
145	4/16/2019 09:03:37	0.0	0.0	0.0	0.0
146	4/16/2019 09:04:07	0.0	0.0	0.0	0.0
147	4/16/2019 09:04:37	0.0	0.0	0.0	0.0
148	4/16/2019 09:05:07	0.0	0.0	0.0	0.0
149	4/16/2019 09:05:37	0.0	0.0	0.0	0.0
150	4/16/2019 09:06:07	0.0	0.0	0.0	0.0
151	4/16/2019 09:06:37	0.0	0.0	0.0	0.0
152	4/16/2019 09:07:07	0.0	0.0	0.0	0.0
153	4/16/2019 09:07:37	0.0	0.0	0.0	0.0
154	4/16/2019 09:08:07	0.0	0.0	0.0	0.0
155	4/16/2019 09:08:37	0.0	0.0	0.0	0.0
156	4/16/2019 09:09:07	0.0	0.0	0.0	0.0
157	4/16/2019 09:09:37	0.0	0.0	0.0	0.0
158	4/16/2019 09:10:07	0.0	0.0	0.0	0.0
159	4/16/2019 09:10:37	0.0	0.0	0.0	0.0
160	4/16/2019 09:11:07	0.0	0.0	0.0	0.0
161	4/16/2019 09:11:37	0.0	0.0	0.0	0.0

162	4/16/2019 09:12:07	0.0	0.0	0.0	0.0
163	4/16/2019 09:12:37	0.0	0.0	0.0	0.0
164	4/16/2019 09:13:07	0.0	0.0	0.0	0.0
165	4/16/2019 09:13:37	0.0	0.0	0.0	0.0
166	4/16/2019 09:14:07	0.0	0.0	0.0	0.0
167	4/16/2019 09:14:37	0.0	0.0	0.0	0.0
168	4/16/2019 09:15:07	0.0	0.0	0.0	0.0
169	4/16/2019 09:15:37	0.0	0.0	0.0	0.0
170	4/16/2019 09:16:07	0.0	0.0	0.0	0.0
171	4/16/2019 09:16:37	0.0	0.0	0.0	0.0
172	4/16/2019 09:17:07	0.0	0.0	0.0	0.0
173	4/16/2019 09:17:37	0.0	0.0	0.0	0.0
174	4/16/2019 09:18:07	0.0	0.0	0.0	0.0
175	4/16/2019 09:18:37	0.0	0.0	0.0	0.0
176	4/16/2019 09:19:07	0.0	0.0	0.0	0.0
177	4/16/2019 09:19:37	0.0	0.0	0.0	0.0
178	4/16/2019 09:20:07	0.0	0.0	0.0	0.0
179	4/16/2019 09:20:37	0.0	0.0	0.0	0.0
180	4/16/2019 09:21:07	0.0	0.0	0.0	0.0
181	4/16/2019 09:21:37	0.0	0.0	0.0	0.0
182	4/16/2019 09:22:07	0.0	0.0	0.0	0.0
183	4/16/2019 09:22:37	0.0	0.0	0.0	0.0
184	4/16/2019 09:23:07	0.0	0.0	0.0	0.0
185	4/16/2019 09:23:37	0.0	0.0	0.0	0.0
186	4/16/2019 09:24:07	0.0	0.0	0.0	0.0
187	4/16/2019 09:24:37	0.0	0.0	0.0	0.0
188	4/16/2019 09:25:07	0.0	0.0	0.0	0.0
189	4/16/2019 09:25:37	0.0	0.0	0.0	0.0
190	4/16/2019 09:26:07	0.0	0.0	0.0	0.0
191	4/16/2019 09:26:37	0.0	0.0	0.0	0.0
192	4/16/2019 09:27:07	0.0	0.0	0.0	0.0
193	4/16/2019 09:27:37	0.0	0.0	0.0	0.0
194	4/16/2019 09:28:07	0.0	0.0	0.0	0.0
195	4/16/2019 09:28:37	0.0	0.0	0.0	0.0
196	4/16/2019 09:29:07	0.0	0.0	0.0	0.0
197	4/16/2019 09:29:37	0.0	0.0	0.0	0.0
198	4/16/2019 09:30:07	0.0	0.0	0.0	0.0
199	4/16/2019 09:30:37	0.0	0.0	0.0	0.0
200	4/16/2019 09:31:07	0.0	0.0	0.0	0.0
201	4/16/2019 09:31:37	0.0	0.0	0.0	0.0
202	4/16/2019 09:32:07	0.0	0.0	0.0	0.0
203	4/16/2019 09:32:37	0.0	0.0	0.0	0.0
204	4/16/2019 09:33:07	0.0	0.0	0.0	0.0
205	4/16/2019 09:33:37	0.0	0.0	0.0	0.0
206	4/16/2019 09:34:07	0.0	0.0	0.0	0.0
207	4/16/2019 09:34:37	0.0	0.0	0.0	0.0
208	4/16/2019 09:35:07	0.0	0.0	0.0	0.0
209	4/16/2019 09:35:37	0.0	0.0	0.0	0.0
210	4/16/2019 09:36:07	0.0	0.0	0.0	0.0
211	4/16/2019 09:36:37	0.0	0.0	0.0	0.0
212	4/16/2019 09:37:07	0.0	0.0	0.0	0.0
213	4/16/2019 09:37:37	0.0	0.0	0.0	0.0
214	4/16/2019 09:38:07	0.0	0.0	0.0	0.0
215	4/16/2019 09:38:37	0.0	0.0	0.0	0.0
216	4/16/2019 09:39:07	0.0	0.0	0.0	0.0
217	4/16/2019 09:39:37	0.0	0.0	0.0	0.0
218	4/16/2019 09:40:07	0.0	0.0	0.0	0.0

219	4/16/2019 09:40:37	0.0	0.0	0.0	0.0
220	4/16/2019 09:41:07	0.0	0.0	0.0	0.0
221	4/16/2019 09:41:37	0.0	0.0	0.0	0.0
222	4/16/2019 09:42:07	0.0	0.0	0.0	0.0
223	4/16/2019 09:42:37	0.0	0.0	0.0	0.0
224	4/16/2019 09:43:07	0.0	0.0	0.0	0.0
225	4/16/2019 09:43:37	0.0	0.0	0.0	0.0
226	4/16/2019 09:44:07	0.0	0.0	0.0	0.0
227	4/16/2019 09:44:37	0.0	0.0	0.0	0.0
228	4/16/2019 09:45:07	0.0	0.0	0.0	0.0
229	4/16/2019 09:45:37	0.0	0.0	0.0	0.0
230	4/16/2019 09:46:07	0.0	0.0	0.0	0.0
231	4/16/2019 09:46:37	0.0	0.0	0.0	0.0
232	4/16/2019 09:47:07	0.0	0.0	0.0	0.0
233	4/16/2019 09:47:37	0.0	0.0	0.0	0.0
234	4/16/2019 09:48:07	0.0	0.0	0.0	0.0
235	4/16/2019 09:48:37	0.0	0.0	0.0	0.0
236	4/16/2019 09:49:07	0.0	0.0	0.0	0.0
237	4/16/2019 09:49:37	0.0	0.0	0.0	0.0
238	4/16/2019 09:50:07	0.0	0.0	0.0	0.0
239	4/16/2019 09:50:37	0.0	0.0	0.0	0.0
240	4/16/2019 09:51:07	0.0	0.0	0.0	0.0
241	4/16/2019 09:51:37	0.0	0.0	0.0	0.0
242	4/16/2019 09:52:07	0.0	0.0	0.0	0.0
243	4/16/2019 09:52:37	0.0	0.0	0.0	0.0
244	4/16/2019 09:53:07	0.0	0.0	0.0	0.0
245	4/16/2019 09:53:37	0.0	0.0	0.0	0.0
246	4/16/2019 09:54:07	0.0	0.0	0.0	0.0
247	4/16/2019 09:54:37	0.0	0.0	0.0	0.0
248	4/16/2019 09:55:07	0.0	0.0	0.0	0.0
249	4/16/2019 09:55:37	0.0	0.0	0.0	0.0
250	4/16/2019 09:56:07	0.0	0.0	0.0	0.0
251	4/16/2019 09:56:37	0.0	0.0	0.0	0.0
252	4/16/2019 09:57:07	0.0	0.0	0.0	0.0
253	4/16/2019 09:57:37	0.0	0.0	0.0	0.0
254	4/16/2019 09:58:07	0.0	0.0	0.0	0.0
255	4/16/2019 09:58:37	0.0	0.0	0.0	0.0
256	4/16/2019 09:59:07	0.0	0.0	0.0	0.0
257	4/16/2019 09:59:37	0.0	0.0	0.0	0.0
258	4/16/2019 10:00:07	0.0	0.0	0.0	0.0
259	4/16/2019 10:00:37	0.0	0.0	0.0	0.0
260	4/16/2019 10:01:07	0.0	0.0	0.0	0.0
261	4/16/2019 10:01:37	0.0	0.0	0.0	0.0
262	4/16/2019 10:02:07	0.0	0.0	0.0	0.0
263	4/16/2019 10:02:37	0.0	0.0	0.0	0.0
264	4/16/2019 10:03:07	0.0	0.0	0.0	0.0
265	4/16/2019 10:03:37	0.0	0.0	0.0	0.0
266	4/16/2019 10:04:07	0.0	0.0	0.0	0.0
267	4/16/2019 10:04:37	0.0	0.0	0.0	0.0
268	4/16/2019 10:05:07	0.0	0.0	0.0	0.0
269	4/16/2019 10:05:37	0.0	0.0	0.0	0.0
270	4/16/2019 10:06:07	0.0	0.0	0.0	0.0
271	4/16/2019 10:06:37	0.0	0.0	0.0	0.0
272	4/16/2019 10:07:07	0.0	0.0	0.0	0.0
273	4/16/2019 10:07:37	0.0	0.0	0.0	0.0
274	4/16/2019 10:08:07	0.0	0.0	0.0	0.0
275	4/16/2019 10:08:37	0.0	0.0	0.0	0.0

276	4/16/2019	10:09:07	0.0	0.0	0.0	0.0
277	4/16/2019	10:09:37	0.0	0.0	0.0	0.0
278	4/16/2019	10:10:07	0.0	0.0	0.0	0.0
279	4/16/2019	10:10:37	0.0	0.0	0.0	0.0
280	4/16/2019	10:11:07	0.0	0.0	0.0	0.0
281	4/16/2019	10:11:37	0.0	0.0	0.1	0.0
282	4/16/2019	10:12:07	0.0	0.0	0.0	0.0
283	4/16/2019	10:12:37	0.0	0.0	0.0	0.0
284	4/16/2019	10:13:07	0.0	0.0	0.0	0.0
285	4/16/2019	10:13:37	0.0	0.0	0.0	0.0
286	4/16/2019	10:14:07	0.0	0.0	0.0	0.0
287	4/16/2019	10:14:37	0.0	0.0	0.0	0.0
288	4/16/2019	10:15:07	0.0	0.0	0.0	0.0
289	4/16/2019	10:15:37	0.0	0.0	0.0	0.0
290	4/16/2019	10:16:07	0.0	0.0	0.0	0.0
291	4/16/2019	10:16:37	0.0	0.0	0.0	0.0
292	4/16/2019	10:17:07	0.0	0.0	0.0	0.0
293	4/16/2019	10:17:37	0.0	0.0	0.1	0.0
294	4/16/2019	10:18:07	0.0	0.0	0.0	0.0
295	4/16/2019	10:18:37	0.0	0.0	0.0	0.0
296	4/16/2019	10:19:07	0.0	0.0	0.0	0.0
297	4/16/2019	10:19:37	0.0	0.0	0.0	0.0
298	4/16/2019	10:20:07	0.0	0.0	0.0	0.0
299	4/16/2019	10:20:37	0.0	0.0	0.0	0.0
300	4/16/2019	10:21:07	0.0	0.0	0.0	0.0
301	4/16/2019	10:21:37	0.0	0.0	0.0	0.0
302	4/16/2019	10:22:07	0.0	0.0	0.0	0.0
303	4/16/2019	10:22:37	0.0	0.0	0.0	0.0
304	4/16/2019	10:23:07	0.0	0.0	0.0	0.0
305	4/16/2019	10:23:37	0.0	0.0	0.0	0.0
306	4/16/2019	10:24:07	0.0	0.0	0.0	0.0
307	4/16/2019	10:24:37	0.0	0.0	0.0	0.0
308	4/16/2019	10:25:07	0.0	0.0	0.0	0.0
309	4/16/2019	10:25:37	0.0	0.0	0.0	0.0
310	4/16/2019	10:26:07	0.0	0.0	0.0	0.0
311	4/16/2019	10:26:37	0.0	0.0	0.0	0.0
312	4/16/2019	10:27:07	0.0	0.0	0.0	0.0
313	4/16/2019	10:27:37	0.0	0.0	0.0	0.0
314	4/16/2019	10:28:07	0.0	0.0	0.0	0.0
315	4/16/2019	10:28:37	0.0	0.0	0.0	0.0
316	4/16/2019	10:29:07	0.0	0.0	0.0	0.0
317	4/16/2019	10:29:37	0.0	0.0	0.0	0.0
318	4/16/2019	10:30:07	0.0	0.0	0.0	0.0
319	4/16/2019	10:30:37	0.0	0.0	0.0	0.0
320	4/16/2019	10:31:07	0.0	0.0	0.0	0.0
321	4/16/2019	10:31:37	0.0	0.0	0.0	0.0
322	4/16/2019	10:32:07	0.0	0.0	0.0	0.0
323	4/16/2019	10:32:37	0.0	0.0	0.0	0.0
324	4/16/2019	10:33:07	0.0	0.0	0.0	0.0
325	4/16/2019	10:33:37	0.0	0.0	0.0	0.0
326	4/16/2019	10:34:07	0.0	0.0	0.0	0.0
327	4/16/2019	10:34:37	0.0	0.0	0.0	0.0
328	4/16/2019	10:35:07	0.0	0.0	0.0	0.0
329	4/16/2019	10:35:37	0.0	0.0	0.0	0.0
330	4/16/2019	10:36:07	0.0	0.0	0.0	0.0
331	4/16/2019	10:36:37	0.0	0.0	0.0	0.0
332	4/16/2019	10:37:07	0.0	0.0	0.0	0.0

333	4/16/2019	10:37:37	0.0	0.0	0.0	0.0
334	4/16/2019	10:38:07	0.0	0.0	0.0	0.0
335	4/16/2019	10:38:37	0.0	0.0	0.0	0.0
336	4/16/2019	10:39:07	0.0	0.0	0.0	0.0
337	4/16/2019	10:39:37	0.0	0.0	0.0	0.0
338	4/16/2019	10:40:07	0.0	0.0	0.0	0.0
339	4/16/2019	10:40:37	0.0	0.0	0.0	0.0
340	4/16/2019	10:41:07	0.0	0.0	0.0	0.0
341	4/16/2019	10:41:37	0.0	0.0	0.0	0.0
342	4/16/2019	10:42:07	0.0	0.0	0.0	0.0
343	4/16/2019	10:42:37	0.0	0.0	0.0	0.0
344	4/16/2019	10:43:07	0.0	0.0	0.0	0.0
345	4/16/2019	10:43:37	0.0	0.0	0.0	0.0
346	4/16/2019	10:44:07	0.0	0.0	0.0	0.0
347	4/16/2019	10:44:37	0.0	0.0	0.0	0.0
348	4/16/2019	10:45:07	0.0	0.0	0.0	0.0
349	4/16/2019	10:45:37	0.0	0.0	0.0	0.0
350	4/16/2019	10:46:07	0.0	0.0	0.0	0.0
351	4/16/2019	10:46:37	0.0	0.0	0.0	0.0
352	4/16/2019	10:47:07	0.0	0.0	0.0	0.0
353	4/16/2019	10:47:37	0.0	0.0	0.0	0.0
354	4/16/2019	10:48:07	0.0	0.0	0.0	0.0
355	4/16/2019	10:48:37	0.0	0.0	0.0	0.0
356	4/16/2019	10:49:07	0.0	0.0	0.0	0.0
357	4/16/2019	10:49:37	0.0	0.0	0.0	0.0
358	4/16/2019	10:50:07	0.0	0.0	0.0	0.0
359	4/16/2019	10:50:37	0.0	0.0	0.0	0.0
360	4/16/2019	10:51:07	0.0	0.0	0.0	0.0
361	4/16/2019	10:51:37	0.0	0.0	0.0	0.0
362	4/16/2019	10:52:07	0.0	0.0	0.0	0.0
363	4/16/2019	10:52:37	0.0	0.0	0.0	0.0
364	4/16/2019	10:53:07	0.0	0.0	0.0	0.0
365	4/16/2019	10:53:37	0.0	0.0	0.0	0.0
366	4/16/2019	10:54:07	0.0	0.0	0.0	0.0
367	4/16/2019	10:54:37	0.0	0.0	0.0	0.0
368	4/16/2019	10:55:07	0.0	0.0	0.0	0.0
369	4/16/2019	10:55:37	0.0	0.0	0.0	0.0
370	4/16/2019	10:56:07	0.0	0.0	0.0	0.0
371	4/16/2019	10:56:37	0.0	0.0	0.0	0.0
372	4/16/2019	10:57:07	0.0	0.0	0.0	0.0
373	4/16/2019	10:57:37	0.0	0.0	0.0	0.0
374	4/16/2019	10:58:07	0.0	0.0	0.0	0.0
375	4/16/2019	10:58:37	0.0	0.0	0.0	0.0
376	4/16/2019	10:59:07	0.0	0.0	0.0	0.0
377	4/16/2019	10:59:37	0.0	0.0	0.0	0.0
378	4/16/2019	11:00:07	0.0	0.0	0.0	0.0
379	4/16/2019	11:00:37	0.0	0.0	0.0	0.0
380	4/16/2019	11:01:07	0.0	0.0	0.0	0.0
381	4/16/2019	11:01:37	0.0	0.0	0.0	0.0
382	4/16/2019	11:02:07	0.0	0.0	0.0	0.0
383	4/16/2019	11:02:37	0.0	0.0	0.0	0.0
384	4/16/2019	11:03:07	0.0	0.0	0.0	0.0
385	4/16/2019	11:03:37	0.0	0.0	0.0	0.0
386	4/16/2019	11:04:07	0.0	0.0	0.0	0.0
387	4/16/2019	11:04:37	0.0	0.0	0.0	0.0
388	4/16/2019	11:05:07	0.0	0.0	0.0	0.0
389	4/16/2019	11:05:37	0.0	0.0	0.0	0.0

390	4/16/2019 11:06:07	0.0	0.0	0.0	0.0
391	4/16/2019 11:06:37	0.0	0.0	0.0	0.0
392	4/16/2019 11:07:07	0.0	0.0	0.0	0.0
393	4/16/2019 11:07:37	0.0	0.0	0.0	0.0
394	4/16/2019 11:08:07	0.0	0.0	0.0	0.0
395	4/16/2019 11:08:37	0.0	0.0	0.0	0.0
396	4/16/2019 11:09:07	0.0	0.0	0.0	0.0
397	4/16/2019 11:09:37	0.0	0.0	0.0	0.0
398	4/16/2019 11:10:07	0.0	0.0	0.0	0.0
399	4/16/2019 11:10:37	0.0	0.0	0.0	0.0
400	4/16/2019 11:11:07	0.0	0.0	0.0	0.0
401	4/16/2019 11:11:37	0.0	0.0	0.0	0.0
402	4/16/2019 11:12:07	0.0	0.0	0.0	0.0
403	4/16/2019 11:12:37	0.0	0.0	0.0	0.0
404	4/16/2019 11:13:07	0.0	0.0	0.0	0.0
405	4/16/2019 11:13:37	0.0	0.0	0.0	0.0
406	4/16/2019 11:14:07	0.0	0.0	0.0	0.0
407	4/16/2019 11:14:37	0.0	0.0	0.0	0.0
408	4/16/2019 11:15:07	0.0	0.0	0.0	0.0
409	4/16/2019 11:15:37	0.0	0.0	0.0	0.0
410	4/16/2019 11:16:07	0.0	0.0	0.0	0.0
411	4/16/2019 11:16:37	0.0	0.0	0.0	0.0
412	4/16/2019 11:17:07	0.0	0.0	0.0	0.0
413	4/16/2019 11:17:37	0.0	0.0	0.0	0.0
414	4/16/2019 11:18:07	0.0	0.0	0.0	0.0
415	4/16/2019 11:18:37	0.0	0.0	0.0	0.0
416	4/16/2019 11:19:07	0.0	0.0	0.0	0.0
417	4/16/2019 11:19:37	0.0	0.0	0.0	0.0
418	4/16/2019 11:20:07	0.0	0.0	0.0	0.0
419	4/16/2019 11:20:37	0.0	0.0	0.0	0.0
420	4/16/2019 11:21:07	0.0	0.0	0.0	0.0
421	4/16/2019 11:21:37	0.0	0.0	0.0	0.0
422	4/16/2019 11:22:07	0.0	0.0	0.0	0.0
423	4/16/2019 11:22:37	0.0	0.0	0.0	0.0
424	4/16/2019 11:23:07	0.0	0.0	0.0	0.0
425	4/16/2019 11:23:37	0.0	0.0	0.0	0.0
426	4/16/2019 11:24:07	0.0	0.0	0.0	0.0
427	4/16/2019 11:24:37	0.0	0.0	0.0	0.0
428	4/16/2019 11:25:07	0.0	0.0	0.0	0.0
429	4/16/2019 11:25:37	0.0	0.0	0.0	0.0
430	4/16/2019 11:26:07	0.0	0.0	0.0	0.0
431	4/16/2019 11:26:37	0.0	0.0	0.0	0.0
432	4/16/2019 11:27:07	0.0	0.0	0.0	0.0
433	4/16/2019 11:27:37	0.0	0.0	0.0	0.0
434	4/16/2019 11:28:07	0.0	0.0	0.0	0.0
435	4/16/2019 11:28:37	0.0	0.0	0.0	0.0
436	4/16/2019 11:29:07	0.0	0.0	0.0	0.0
437	4/16/2019 11:29:37	0.0	0.0	0.0	0.0
438	4/16/2019 11:30:07	0.0	0.0	0.0	0.0
439	4/16/2019 11:30:37	0.0	0.0	0.0	0.0
440	4/16/2019 11:31:07	0.0	0.0	0.0	0.0
441	4/16/2019 11:31:37	0.0	0.0	0.0	0.0
442	4/16/2019 11:32:07	0.0	0.0	0.0	0.0
443	4/16/2019 11:32:37	0.0	0.0	0.0	0.0
444	4/16/2019 11:33:07	0.0	0.0	0.0	0.0
445	4/16/2019 11:33:37	0.0	0.0	0.0	0.0
446	4/16/2019 11:34:07	0.0	0.0	0.0	0.0

447	4/16/2019	11:34:37	0.0	0.0	0.0	0.0
448	4/16/2019	11:35:07	0.0	0.0	0.0	0.0
449	4/16/2019	11:35:37	0.0	0.0	0.0	0.0
450	4/16/2019	11:36:07	0.0	0.0	0.0	0.0
451	4/16/2019	11:36:37	0.0	0.0	0.0	0.0
452	4/16/2019	11:37:07	0.0	0.0	0.0	0.0
453	4/16/2019	11:37:37	0.0	0.0	0.0	0.0
454	4/16/2019	11:38:07	0.0	0.0	0.0	0.0
455	4/16/2019	11:38:37	0.0	0.0	0.0	0.0
456	4/16/2019	11:39:07	0.0	0.0	0.0	0.0
457	4/16/2019	11:39:37	0.0	0.0	0.0	0.0
458	4/16/2019	11:40:07	0.0	0.0	0.0	0.0
459	4/16/2019	11:40:37	0.0	0.0	0.0	0.0
460	4/16/2019	11:41:07	0.0	0.0	0.0	0.0
461	4/16/2019	11:41:37	0.0	0.0	0.0	0.0
462	4/16/2019	11:42:07	0.0	0.0	0.0	0.0
463	4/16/2019	11:42:37	0.0	0.0	0.0	0.0
464	4/16/2019	11:43:07	0.0	0.0	0.0	0.0
465	4/16/2019	11:43:37	0.0	0.0	0.0	0.0
466	4/16/2019	11:44:07	0.0	0.0	0.0	0.0
467	4/16/2019	11:44:37	0.0	0.0	0.0	0.0
468	4/16/2019	11:45:07	0.0	0.0	0.0	0.0
469	4/16/2019	11:45:37	0.0	0.0	0.0	0.0
470	4/16/2019	11:46:07	0.0	0.0	0.0	0.0
471	4/16/2019	11:46:37	0.0	0.0	0.0	0.0
472	4/16/2019	11:47:07	0.0	0.0	0.1	0.0
473	4/16/2019	11:47:37	0.0	0.0	0.2	0.2
474	4/16/2019	11:48:07	0.0	0.0	0.2	0.0
475	4/16/2019	11:48:37	0.0	0.0	0.0	0.0
476	4/16/2019	11:49:07	0.0	0.0	0.0	0.0
477	4/16/2019	11:49:37	0.0	0.0	0.0	0.0
478	4/16/2019	11:50:07	0.0	0.0	0.0	0.0
479	4/16/2019	11:50:37	0.0	0.0	0.0	0.0
480	4/16/2019	11:51:07	0.0	0.0	0.0	0.0
481	4/16/2019	11:51:37	0.0	0.0	0.0	0.0
482	4/16/2019	11:52:07	0.0	0.0	0.0	0.0
483	4/16/2019	11:52:37	0.0	0.0	0.0	0.0
484	4/16/2019	11:53:07	0.0	0.0	0.0	0.0
485	4/16/2019	11:53:37	0.0	0.0	0.0	0.0
486	4/16/2019	11:54:07	0.0	0.0	0.0	0.0
487	4/16/2019	11:54:37	0.0	0.0	0.0	0.0
488	4/16/2019	11:55:07	0.0	0.0	0.0	0.0
489	4/16/2019	11:55:37	0.0	0.0	0.0	0.0
490	4/16/2019	11:56:07	0.0	0.0	0.0	0.0
491	4/16/2019	11:56:37	0.0	0.0	0.0	0.0
492	4/16/2019	11:57:07	0.0	0.0	0.0	0.0
493	4/16/2019	11:57:37	0.0	0.0	0.0	0.0
494	4/16/2019	11:58:07	0.0	0.0	0.0	0.0
495	4/16/2019	11:58:37	0.0	0.0	0.0	0.0
496	4/16/2019	11:59:07	0.0	0.0	0.0	0.0
497	4/16/2019	11:59:37	0.0	0.0	0.0	0.0
498	4/16/2019	12:00:07	0.0	0.0	0.0	0.0
499	4/16/2019	12:00:37	0.0	0.0	0.0	0.0
500	4/16/2019	12:01:07	0.0	0.0	0.0	0.0
501	4/16/2019	12:01:37	0.0	0.0	0.0	0.0
502	4/16/2019	12:02:07	0.0	0.0	0.0	0.0
503	4/16/2019	12:02:37	0.0	0.0	0.0	0.0

504	4/16/2019 12:03:07	0.0	0.0	0.0	0.0
505	4/16/2019 12:03:37	0.0	0.0	0.0	0.0
506	4/16/2019 12:04:07	0.0	0.0	0.0	0.0
507	4/16/2019 12:04:37	0.0	0.0	0.0	0.0
508	4/16/2019 12:05:07	0.0	0.0	0.0	0.0
509	4/16/2019 12:05:37	0.0	0.0	0.0	0.0
510	4/16/2019 12:06:07	0.0	0.0	0.0	0.0
511	4/16/2019 12:06:37	0.0	0.0	0.0	0.0
512	4/16/2019 12:07:07	0.0	0.0	0.0	0.0
513	4/16/2019 12:07:37	0.0	0.0	0.0	0.0
514	4/16/2019 12:08:07	0.0	0.0	0.0	0.0
515	4/16/2019 12:08:37	0.0	0.0	0.0	0.0
516	4/16/2019 12:09:07	0.0	0.0	0.0	0.0
517	4/16/2019 12:09:37	0.0	0.0	0.0	0.0
518	4/16/2019 12:10:07	0.0	0.0	0.0	0.0
519	4/16/2019 12:10:37	0.0	0.0	0.0	0.0
520	4/16/2019 12:11:07	0.0	0.0	0.0	0.0
521	4/16/2019 12:11:37	0.0	0.0	0.0	0.0
522	4/16/2019 12:12:07	0.0	0.0	0.0	0.0
523	4/16/2019 12:12:37	0.0	0.0	0.0	0.0
524	4/16/2019 12:13:07	0.0	0.0	0.0	0.0
525	4/16/2019 12:13:37	0.0	0.0	0.0	0.0
526	4/16/2019 12:14:07	0.0	0.0	0.0	0.0
527	4/16/2019 12:14:37	0.0	0.0	0.0	0.0
528	4/16/2019 12:15:07	0.0	0.0	0.0	0.0
529	4/16/2019 12:15:37	0.0	0.0	0.0	0.0
530	4/16/2019 12:16:07	0.0	0.0	0.0	0.0
531	4/16/2019 12:16:37	0.0	0.0	0.0	0.0
532	4/16/2019 12:17:07	0.0	0.0	0.0	0.0
533	4/16/2019 12:17:37	0.0	0.0	0.0	0.0
534	4/16/2019 12:18:07	0.0	0.0	0.0	0.0
535	4/16/2019 12:18:37	0.0	0.0	0.0	0.0
536	4/16/2019 12:19:07	0.0	0.0	0.0	0.0
537	4/16/2019 12:19:37	0.0	0.0	0.0	0.0
538	4/16/2019 12:20:07	0.0	0.0	0.0	0.0
539	4/16/2019 12:20:37	0.0	0.0	0.0	0.0
540	4/16/2019 12:21:07	0.0	0.0	0.0	0.0
541	4/16/2019 12:21:37	0.0	0.0	0.0	0.0
542	4/16/2019 12:22:07	0.0	0.0	0.0	0.0
543	4/16/2019 12:22:37	0.0	0.0	0.0	0.0
544	4/16/2019 12:23:07	0.0	0.0	0.0	0.0
545	4/16/2019 12:23:37	0.0	0.0	0.0	0.0
546	4/16/2019 12:24:07	0.0	0.0	0.0	0.0
547	4/16/2019 12:24:37	0.0	0.0	0.0	0.0
548	4/16/2019 12:25:07	0.0	0.0	0.0	0.0
549	4/16/2019 12:25:37	0.0	0.1	0.2	0.2
550	4/16/2019 12:26:07	0.0	0.1	0.2	0.0
551	4/16/2019 12:26:37	0.0	0.0	0.0	0.0
552	4/16/2019 12:27:07	0.0	0.0	0.0	0.0
553	4/16/2019 12:27:37	0.0	0.0	0.0	0.0
554	4/16/2019 12:28:07	0.0	0.0	0.0	0.0
555	4/16/2019 12:28:37	0.0	0.0	0.0	0.0
556	4/16/2019 12:29:07	0.0	0.0	0.0	0.0
557	4/16/2019 12:29:37	0.0	0.0	0.0	0.0
558	4/16/2019 12:30:07	0.0	0.0	0.0	0.0
559	4/16/2019 12:30:37	0.0	0.0	0.0	0.0
560	4/16/2019 12:31:07	0.0	0.0	0.0	0.0

561	4/16/2019 12:31:37	0.0	0.0	0.0	0.0
562	4/16/2019 12:32:07	0.0	0.0	0.0	0.0
563	4/16/2019 12:32:37	0.0	0.0	0.0	0.0
564	4/16/2019 12:33:07	0.0	0.0	0.0	0.0
565	4/16/2019 12:33:37	0.0	0.0	0.0	0.0
566	4/16/2019 12:34:07	0.0	0.0	0.0	0.0
567	4/16/2019 12:34:37	0.0	0.0	0.0	0.0
568	4/16/2019 12:35:07	0.0	0.0	0.0	0.0
569	4/16/2019 12:35:37	0.0	0.0	0.0	0.0
570	4/16/2019 12:36:07	0.0	0.0	0.0	0.0
571	4/16/2019 12:36:37	0.0	0.0	0.0	0.0
572	4/16/2019 12:37:07	0.0	0.0	0.0	0.0
573	4/16/2019 12:37:37	0.0	0.0	0.0	0.0
574	4/16/2019 12:38:07	0.0	0.0	0.0	0.0
575	4/16/2019 12:38:37	0.0	0.0	0.0	0.0
576	4/16/2019 12:39:07	0.0	0.0	0.0	0.0
577	4/16/2019 12:39:37	0.0	0.0	0.0	0.0
578	4/16/2019 12:40:07	0.0	0.0	0.0	0.0
579	4/16/2019 12:40:37	0.0	0.0	0.0	0.0
580	4/16/2019 12:41:07	0.0	0.0	0.0	0.0
581	4/16/2019 12:41:37	0.0	0.0	0.0	0.0
582	4/16/2019 12:42:07	0.0	0.0	0.0	0.0
583	4/16/2019 12:42:37	0.0	0.0	0.0	0.0
584	4/16/2019 12:43:07	0.0	0.0	0.0	0.0
585	4/16/2019 12:43:37	0.0	0.0	0.0	0.0
586	4/16/2019 12:44:07	0.0	0.0	0.0	0.0
587	4/16/2019 12:44:37	0.0	0.0	0.0	0.0
588	4/16/2019 12:45:07	0.0	0.0	0.0	0.0
589	4/16/2019 12:45:37	0.0	0.0	0.0	0.0
590	4/16/2019 12:46:07	0.0	0.0	0.0	0.0
591	4/16/2019 12:46:37	0.0	0.0	0.0	0.0
592	4/16/2019 12:47:07	0.0	0.0	0.0	0.0
593	4/16/2019 12:47:37	0.0	0.0	0.0	0.0
594	4/16/2019 12:48:07	0.0	0.0	0.0	0.0
595	4/16/2019 12:48:37	0.0	0.0	0.0	0.0
596	4/16/2019 12:49:07	0.0	0.0	0.0	0.0
597	4/16/2019 12:49:37	0.0	0.0	0.0	0.0
598	4/16/2019 12:50:07	0.0	0.0	0.0	0.0
599	4/16/2019 12:50:37	0.0	0.0	0.0	0.0
600	4/16/2019 12:51:07	0.0	0.0	0.0	0.0
601	4/16/2019 12:51:37	0.0	0.0	0.0	0.0
602	4/16/2019 12:52:07	0.0	0.0	0.0	0.0
603	4/16/2019 12:52:37	0.0	0.0	0.0	0.0
604	4/16/2019 12:53:07	0.0	0.0	0.0	0.0
605	4/16/2019 12:53:37	0.0	0.0	0.0	0.0
606	4/16/2019 12:54:07	0.0	0.0	0.0	0.0
607	4/16/2019 12:54:37	0.0	0.0	0.0	0.0
608	4/16/2019 12:55:07	0.0	0.0	0.0	0.0
609	4/16/2019 12:55:37	0.0	0.0	0.0	0.0
610	4/16/2019 12:56:07	0.0	0.0	0.0	0.0
611	4/16/2019 12:56:37	0.0	0.0	0.0	0.0
612	4/16/2019 12:57:07	0.0	0.0	0.0	0.0
613	4/16/2019 12:57:37	0.0	0.0	0.0	0.0
614	4/16/2019 12:58:07	0.0	0.0	0.0	0.0
615	4/16/2019 12:58:37	0.0	0.0	0.0	0.0
616	4/16/2019 12:59:07	0.0	0.0	0.0	0.0
617	4/16/2019 12:59:37	0.0	0.0	0.0	0.0

618	4/16/2019	13:00:07	0.0	0.0	0.0	0.0
619	4/16/2019	13:00:37	0.0	0.0	0.0	0.0
620	4/16/2019	13:01:07	0.0	0.0	0.0	0.0
621	4/16/2019	13:01:37	0.0	0.0	0.0	0.0
622	4/16/2019	13:02:07	0.0	0.0	0.0	0.0
623	4/16/2019	13:02:37	0.0	0.0	0.0	0.0
624	4/16/2019	13:03:07	0.0	0.0	0.0	0.0
625	4/16/2019	13:03:37	0.0	0.0	0.0	0.0
626	4/16/2019	13:04:07	0.0	0.0	0.0	0.0
627	4/16/2019	13:04:37	0.0	0.0	0.0	0.0
628	4/16/2019	13:05:07	0.0	0.0	0.0	0.0
629	4/16/2019	13:05:37	0.0	0.0	0.0	0.0
630	4/16/2019	13:06:07	0.0	0.0	0.0	0.0
631	4/16/2019	13:06:37	0.0	0.0	0.0	0.0
632	4/16/2019	13:07:07	0.0	0.0	0.0	0.0
633	4/16/2019	13:07:37	0.0	0.0	0.0	0.0
634	4/16/2019	13:08:07	0.0	0.0	0.0	0.0
635	4/16/2019	13:08:37	0.0	0.0	0.0	0.0
636	4/16/2019	13:09:07	0.0	0.0	0.0	0.0
637	4/16/2019	13:09:37	0.0	0.0	0.0	0.0
638	4/16/2019	13:10:07	0.0	0.0	0.0	0.0
639	4/16/2019	13:10:37	0.0	0.0	0.0	0.0
640	4/16/2019	13:11:07	0.0	0.0	0.0	0.0
641	4/16/2019	13:11:37	0.0	0.0	0.0	0.0
642	4/16/2019	13:12:07	0.0	0.0	0.0	0.0
643	4/16/2019	13:12:37	0.0	0.0	0.0	0.0
644	4/16/2019	13:13:07	0.0	0.0	0.0	0.0
645	4/16/2019	13:13:37	0.0	0.0	0.0	0.0
646	4/16/2019	13:14:07	0.0	0.0	0.0	0.0
647	4/16/2019	13:14:37	0.0	0.0	0.0	0.0
648	4/16/2019	13:15:07	0.0	0.0	0.0	0.0
649	4/16/2019	13:15:37	0.0	0.0	0.0	0.0
650	4/16/2019	13:16:07	0.0	0.0	0.0	0.0
651	4/16/2019	13:16:37	0.0	0.0	0.0	0.0
652	4/16/2019	13:17:07	0.0	0.0	0.0	0.0
653	4/16/2019	13:17:37	0.0	0.0	0.0	0.0
654	4/16/2019	13:18:07	0.0	0.0	0.0	0.0
655	4/16/2019	13:18:37	0.0	0.0	0.0	0.0
656	4/16/2019	13:19:07	0.0	0.0	0.0	0.0
657	4/16/2019	13:19:37	0.0	0.0	0.0	0.0
658	4/16/2019	13:20:07	0.0	0.0	0.0	0.0
659	4/16/2019	13:20:37	0.0	0.0	0.0	0.0
660	4/16/2019	13:21:07	0.0	0.0	0.0	0.0
661	4/16/2019	13:21:37	0.0	0.0	0.0	0.0
662	4/16/2019	13:22:07	0.0	0.0	0.0	0.0
663	4/16/2019	13:22:37	0.0	0.0	0.0	0.0
664	4/16/2019	13:23:07	0.0	0.0	0.0	0.0
665	4/16/2019	13:23:37	0.0	0.0	0.0	0.0
666	4/16/2019	13:24:07	0.0	0.0	0.0	0.0
667	4/16/2019	13:24:37	0.0	0.0	0.0	0.0
668	4/16/2019	13:25:07	0.0	0.0	0.0	0.0
669	4/16/2019	13:25:37	0.0	0.0	0.0	0.0
670	4/16/2019	13:26:07	0.0	0.0	0.0	0.0
671	4/16/2019	13:26:37	0.0	0.0	0.0	0.0
672	4/16/2019	13:27:07	0.0	0.0	0.0	0.0
673	4/16/2019	13:27:37	0.0	0.0	0.0	0.0
674	4/16/2019	13:28:07	0.0	0.0	0.0	0.0

675	4/16/2019 13:28:37	0.0	0.0	0.0	0.0
676	4/16/2019 13:29:07	0.0	0.0	0.0	0.0
677	4/16/2019 13:29:37	0.0	0.0	0.0	0.0
678	4/16/2019 13:30:07	0.0	0.0	0.0	0.0
679	4/16/2019 13:30:37	0.0	0.0	0.0	0.0
680	4/16/2019 13:31:07	0.0	0.0	0.0	0.0
681	4/16/2019 13:31:37	0.0	0.0	0.0	0.0
682	4/16/2019 13:32:07	0.0	0.0	0.0	0.0
683	4/16/2019 13:32:37	0.0	0.0	0.0	0.0
684	4/16/2019 13:33:07	0.0	0.0	0.0	0.0
685	4/16/2019 13:33:37	0.0	0.0	0.0	0.0
686	4/16/2019 13:34:07	0.0	0.0	0.0	0.0
687	4/16/2019 13:34:37	0.0	0.0	0.0	0.0
688	4/16/2019 13:35:07	0.0	0.0	0.0	0.0
689	4/16/2019 13:35:37	0.0	0.0	0.0	0.0
690	4/16/2019 13:36:07	0.0	0.0	0.0	0.0
691	4/16/2019 13:36:37	0.0	0.0	0.0	0.0
692	4/16/2019 13:37:07	0.0	0.0	0.0	0.0
693	4/16/2019 13:37:37	0.0	0.0	0.0	0.0
694	4/16/2019 13:38:07	0.0	0.0	0.0	0.0
695	4/16/2019 13:38:37	0.0	0.0	0.1	0.0
696	4/16/2019 13:39:07	0.0	0.0	0.0	0.0
697	4/16/2019 13:39:37	0.0	0.0	0.0	0.0
698	4/16/2019 13:40:07	0.0	0.0	0.0	0.0
699	4/16/2019 13:40:37	0.0	0.0	0.0	0.0
700	4/16/2019 13:41:07	0.0	0.0	0.0	0.0
701	4/16/2019 13:41:37	0.0	0.0	0.0	0.0
702	4/16/2019 13:42:07	0.0	0.0	0.0	0.0
703	4/16/2019 13:42:37	0.0	0.0	0.0	0.0
704	4/16/2019 13:43:07	0.0	0.0	0.0	0.0
705	4/16/2019 13:43:37	0.0	0.0	0.0	0.0
706	4/16/2019 13:44:07	0.0	0.0	0.0	0.0
707	4/16/2019 13:44:37	0.0	0.0	0.0	0.0
708	4/16/2019 13:45:07	0.0	0.0	0.0	0.0
709	4/16/2019 13:45:37	0.0	0.0	0.0	0.0
710	4/16/2019 13:46:07	0.0	0.0	0.0	0.0
711	4/16/2019 13:46:37	0.0	0.0	0.0	0.0
712	4/16/2019 13:47:07	0.0	0.0	0.0	0.0
713	4/16/2019 13:47:37	0.0	0.0	0.0	0.0
714	4/16/2019 13:48:07	0.0	0.0	0.0	0.0
715	4/16/2019 13:48:37	0.0	0.0	0.0	0.0
716	4/16/2019 13:49:07	0.0	0.0	0.0	0.0
717	4/16/2019 13:49:37	0.0	0.0	0.0	0.0
718	4/16/2019 13:50:07	0.0	0.0	0.0	0.0
719	4/16/2019 13:50:37	0.0	0.0	0.0	0.0
720	4/16/2019 13:51:07	0.0	0.0	0.0	0.0
721	4/16/2019 13:51:37	0.0	0.0	0.0	0.0
722	4/16/2019 13:52:07	0.0	0.0	0.0	0.0
723	4/16/2019 13:52:37	0.0	0.0	0.0	0.0
724	4/16/2019 13:53:07	0.0	0.0	0.0	0.0
725	4/16/2019 13:53:37	0.0	0.0	0.0	0.0
726	4/16/2019 13:54:07	0.0	0.0	0.0	0.0
727	4/16/2019 13:54:37	0.0	0.0	0.0	0.0
728	4/16/2019 13:55:07	0.0	0.0	0.0	0.0
729	4/16/2019 13:55:37	0.0	0.0	0.0	0.0
730	4/16/2019 13:56:07	0.0	0.0	0.0	0.0
731	4/16/2019 13:56:37	0.0	0.0	0.0	0.0

732	4/16/2019 13:57:07	0.0	0.0	0.0	0.0
733	4/16/2019 13:57:37	0.0	0.0	0.0	0.0
734	4/16/2019 13:58:07	0.0	0.0	0.0	0.0
735	4/16/2019 13:58:37	0.0	0.0	0.0	0.0
736	4/16/2019 13:59:07	0.0	0.0	0.0	0.0
737	4/16/2019 13:59:37	0.0	0.0	0.0	0.0
738	4/16/2019 14:00:07	0.0	0.0	0.0	0.0
739	4/16/2019 14:00:37	0.0	0.0	0.0	0.0
740	4/16/2019 14:01:07	0.0	0.0	0.0	0.0
741	4/16/2019 14:01:37	0.0	0.0	0.0	0.0
742	4/16/2019 14:02:07	0.0	0.0	0.0	0.0
743	4/16/2019 14:02:37	0.0	0.0	0.0	0.0
744	4/16/2019 14:03:07	0.0	0.0	0.0	0.0
745	4/16/2019 14:03:37	0.0	0.0	0.0	0.0
746	4/16/2019 14:04:07	0.0	0.0	0.0	0.0
747	4/16/2019 14:04:37	0.0	0.0	0.0	0.0
748	4/16/2019 14:05:07	0.0	0.0	0.0	0.0
749	4/16/2019 14:05:37	0.0	0.0	0.0	0.0
750	4/16/2019 14:06:07	0.0	0.0	0.0	0.0
751	4/16/2019 14:06:37	0.0	0.0	0.0	0.0
752	4/16/2019 14:07:07	0.0	0.0	0.0	0.0
753	4/16/2019 14:07:37	0.0	0.0	0.0	0.0
754	4/16/2019 14:08:07	0.0	0.0	0.0	0.0
755	4/16/2019 14:08:37	0.0	0.0	0.0	0.0
756	4/16/2019 14:09:07	0.0	0.0	0.0	0.0
757	4/16/2019 14:09:37	0.0	0.0	0.0	0.0
758	4/16/2019 14:10:07	0.0	0.0	0.0	0.0
759	4/16/2019 14:10:37	0.0	0.0	0.0	0.0
760	4/16/2019 14:11:07	0.0	0.0	0.0	0.0
761	4/16/2019 14:11:37	0.0	0.0	0.0	0.0
762	4/16/2019 14:12:07	0.0	0.0	0.0	0.0
763	4/16/2019 14:12:37	0.0	0.0	0.0	0.0
764	4/16/2019 14:13:07	0.0	0.0	0.0	0.0
765	4/16/2019 14:13:37	0.0	0.0	0.0	0.0
766	4/16/2019 14:14:07	0.0	0.0	0.0	0.0
767	4/16/2019 14:14:37	0.0	0.0	0.0	0.0
768	4/16/2019 14:15:07	0.0	0.0	0.0	0.0
769	4/16/2019 14:15:37	0.0	0.0	0.0	0.0
770	4/16/2019 14:16:07	0.0	0.0	0.0	0.0
771	4/16/2019 14:16:37	0.0	0.0	0.0	0.0
772	4/16/2019 14:17:07	0.0	0.0	0.0	0.0
773	4/16/2019 14:17:37	0.0	0.0	0.0	0.0
774	4/16/2019 14:18:07	0.0	0.0	0.0	0.0
775	4/16/2019 14:18:37	0.0	0.0	0.0	0.0
776	4/16/2019 14:19:07	0.0	0.0	0.0	0.0
777	4/16/2019 14:19:37	0.0	0.0	0.0	0.0
778	4/16/2019 14:20:07	0.0	0.0	0.0	0.0
779	4/16/2019 14:20:37	0.0	0.0	0.0	0.0
780	4/16/2019 14:21:07	0.0	0.0	0.0	0.0
781	4/16/2019 14:21:37	0.0	0.0	0.0	0.0
782	4/16/2019 14:22:07	0.0	0.0	0.0	0.0
783	4/16/2019 14:22:37	0.0	0.0	0.0	0.0
784	4/16/2019 14:23:07	0.0	0.0	0.0	0.0
785	4/16/2019 14:23:37	0.0	0.0	0.0	0.0
786	4/16/2019 14:24:07	0.0	0.0	0.0	0.0
787	4/16/2019 14:24:37	0.0	0.0	0.0	0.0
788	4/16/2019 14:25:07	0.0	0.0	0.0	0.0

789	4/16/2019	14:25:37	0.0	0.0	0.0	0.0
790	4/16/2019	14:26:07	0.0	0.0	0.0	0.0
Peak		0.0	0.1	0.2	0.2	
Min		0.0	0.0	0.0	0.0	
Average			0.0	0.0	0.0	0.0

****

TWA/STEL

Index		PID(ppm) Date/Time	PID(ppm) (TWA)	(STEL)
001	4/16/2019	07:51:37	0.0	---
002	4/16/2019	07:52:07	0.0	---
003	4/16/2019	07:52:37	0.0	---
004	4/16/2019	07:53:07	0.0	---
005	4/16/2019	07:53:37	0.0	---
006	4/16/2019	07:54:07	0.0	---
007	4/16/2019	07:54:37	0.0	---
008	4/16/2019	07:55:07	0.0	---
009	4/16/2019	07:55:37	0.0	---
010	4/16/2019	07:56:07	0.0	---
011	4/16/2019	07:56:37	0.0	---
012	4/16/2019	07:57:07	0.0	---
013	4/16/2019	07:57:37	0.0	---
014	4/16/2019	07:58:07	0.0	---
015	4/16/2019	07:58:37	0.0	---
016	4/16/2019	07:59:07	0.0	---
017	4/16/2019	07:59:37	0.0	---
018	4/16/2019	08:00:07	0.0	---
019	4/16/2019	08:00:37	0.0	---
020	4/16/2019	08:01:07	0.0	---
021	4/16/2019	08:01:37	0.0	---
022	4/16/2019	08:02:07	0.0	---
023	4/16/2019	08:02:37	0.0	---
024	4/16/2019	08:03:07	0.0	---
025	4/16/2019	08:03:37	0.0	---
026	4/16/2019	08:04:07	0.0	---
027	4/16/2019	08:04:37	0.0	---
028	4/16/2019	08:05:07	0.0	---
029	4/16/2019	08:05:37	0.0	---
030	4/16/2019	08:06:07	0.0	0.0
031	4/16/2019	08:06:37	0.0	0.0
032	4/16/2019	08:07:07	0.0	0.0
033	4/16/2019	08:07:37	0.0	0.0
034	4/16/2019	08:08:07	0.0	0.0
035	4/16/2019	08:08:37	0.0	0.0
036	4/16/2019	08:09:07	0.0	0.0
037	4/16/2019	08:09:37	0.0	0.0
038	4/16/2019	08:10:07	0.0	0.0
039	4/16/2019	08:10:37	0.0	0.0
040	4/16/2019	08:11:07	0.0	0.0
041	4/16/2019	08:11:37	0.0	0.0
042	4/16/2019	08:12:07	0.0	0.0
043	4/16/2019	08:12:37	0.0	0.0
044	4/16/2019	08:13:07	0.0	0.0
045	4/16/2019	08:13:37	0.0	0.0
046	4/16/2019	08:14:07	0.0	0.0
047	4/16/2019	08:14:37	0.0	0.0

048	4/16/2019 08:15:07	0.0	0.0
049	4/16/2019 08:15:37	0.0	0.0
050	4/16/2019 08:16:07	0.0	0.0
051	4/16/2019 08:16:37	0.0	0.0
052	4/16/2019 08:17:07	0.0	0.0
053	4/16/2019 08:17:37	0.0	0.0
054	4/16/2019 08:18:07	0.0	0.0
055	4/16/2019 08:18:37	0.0	0.0
056	4/16/2019 08:19:07	0.0	0.0
057	4/16/2019 08:19:37	0.0	0.0
058	4/16/2019 08:20:07	0.0	0.0
059	4/16/2019 08:20:37	0.0	0.0
060	4/16/2019 08:21:07	0.0	0.0
061	4/16/2019 08:21:37	0.0	0.0
062	4/16/2019 08:22:07	0.0	0.0
063	4/16/2019 08:22:37	0.0	0.0
064	4/16/2019 08:23:07	0.0	0.0
065	4/16/2019 08:23:37	0.0	0.0
066	4/16/2019 08:24:07	0.0	0.0
067	4/16/2019 08:24:37	0.0	0.0
068	4/16/2019 08:25:07	0.0	0.0
069	4/16/2019 08:25:37	0.0	0.0
070	4/16/2019 08:26:07	0.0	0.0
071	4/16/2019 08:26:37	0.0	0.0
072	4/16/2019 08:27:07	0.0	0.0
073	4/16/2019 08:27:37	0.0	0.0
074	4/16/2019 08:28:07	0.0	0.0
075	4/16/2019 08:28:37	0.0	0.0
076	4/16/2019 08:29:07	0.0	0.0
077	4/16/2019 08:29:37	0.0	0.0
078	4/16/2019 08:30:07	0.0	0.0
079	4/16/2019 08:30:37	0.0	0.0
080	4/16/2019 08:31:07	0.0	0.0
081	4/16/2019 08:31:37	0.0	0.0
082	4/16/2019 08:32:07	0.0	0.0
083	4/16/2019 08:32:37	0.0	0.0
084	4/16/2019 08:33:07	0.0	0.0
085	4/16/2019 08:33:37	0.0	0.0
086	4/16/2019 08:34:07	0.0	0.0
087	4/16/2019 08:34:37	0.0	0.0
088	4/16/2019 08:35:07	0.0	0.0
089	4/16/2019 08:35:37	0.0	0.0
090	4/16/2019 08:36:07	0.0	0.0
091	4/16/2019 08:36:37	0.0	0.0
092	4/16/2019 08:37:07	0.0	0.0
093	4/16/2019 08:37:37	0.0	0.0
094	4/16/2019 08:38:07	0.0	0.0
095	4/16/2019 08:38:37	0.0	0.0
096	4/16/2019 08:39:07	0.0	0.0
097	4/16/2019 08:39:37	0.0	0.0
098	4/16/2019 08:40:07	0.0	0.0
099	4/16/2019 08:40:37	0.0	0.0
100	4/16/2019 08:41:07	0.0	0.0
101	4/16/2019 08:41:37	0.0	0.0
102	4/16/2019 08:42:07	0.0	0.0
103	4/16/2019 08:42:37	0.0	0.0
104	4/16/2019 08:43:07	0.0	0.0

105	4/16/2019 08:43:37	0.0	0.0
106	4/16/2019 08:44:07	0.0	0.0
107	4/16/2019 08:44:37	0.0	0.0
108	4/16/2019 08:45:07	0.0	0.0
109	4/16/2019 08:45:37	0.0	0.0
110	4/16/2019 08:46:07	0.0	0.0
111	4/16/2019 08:46:37	0.0	0.0
112	4/16/2019 08:47:07	0.0	0.0
113	4/16/2019 08:47:37	0.0	0.0
114	4/16/2019 08:48:07	0.0	0.0
115	4/16/2019 08:48:37	0.0	0.0
116	4/16/2019 08:49:07	0.0	0.0
117	4/16/2019 08:49:37	0.0	0.0
118	4/16/2019 08:50:07	0.0	0.0
119	4/16/2019 08:50:37	0.0	0.0
120	4/16/2019 08:51:07	0.0	0.0
121	4/16/2019 08:51:37	0.0	0.0
122	4/16/2019 08:52:07	0.0	0.0
123	4/16/2019 08:52:37	0.0	0.0
124	4/16/2019 08:53:07	0.0	0.0
125	4/16/2019 08:53:37	0.0	0.0
126	4/16/2019 08:54:07	0.0	0.0
127	4/16/2019 08:54:37	0.0	0.0
128	4/16/2019 08:55:07	0.0	0.0
129	4/16/2019 08:55:37	0.0	0.0
130	4/16/2019 08:56:07	0.0	0.0
131	4/16/2019 08:56:37	0.0	0.0
132	4/16/2019 08:57:07	0.0	0.0
133	4/16/2019 08:57:37	0.0	0.0
134	4/16/2019 08:58:07	0.0	0.0
135	4/16/2019 08:58:37	0.0	0.0
136	4/16/2019 08:59:07	0.0	0.0
137	4/16/2019 08:59:37	0.0	0.0
138	4/16/2019 09:00:07	0.0	0.0
139	4/16/2019 09:00:37	0.0	0.0
140	4/16/2019 09:01:07	0.0	0.0
141	4/16/2019 09:01:37	0.0	0.0
142	4/16/2019 09:02:07	0.0	0.0
143	4/16/2019 09:02:37	0.0	0.0
144	4/16/2019 09:03:07	0.0	0.0
145	4/16/2019 09:03:37	0.0	0.0
146	4/16/2019 09:04:07	0.0	0.0
147	4/16/2019 09:04:37	0.0	0.0
148	4/16/2019 09:05:07	0.0	0.0
149	4/16/2019 09:05:37	0.0	0.0
150	4/16/2019 09:06:07	0.0	0.0
151	4/16/2019 09:06:37	0.0	0.0
152	4/16/2019 09:07:07	0.0	0.0
153	4/16/2019 09:07:37	0.0	0.0
154	4/16/2019 09:08:07	0.0	0.0
155	4/16/2019 09:08:37	0.0	0.0
156	4/16/2019 09:09:07	0.0	0.0
157	4/16/2019 09:09:37	0.0	0.0
158	4/16/2019 09:10:07	0.0	0.0
159	4/16/2019 09:10:37	0.0	0.0
160	4/16/2019 09:11:07	0.0	0.0
161	4/16/2019 09:11:37	0.0	0.0

162	4/16/2019 09:12:07	0.0	0.0
163	4/16/2019 09:12:37	0.0	0.0
164	4/16/2019 09:13:07	0.0	0.0
165	4/16/2019 09:13:37	0.0	0.0
166	4/16/2019 09:14:07	0.0	0.0
167	4/16/2019 09:14:37	0.0	0.0
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169	4/16/2019 09:15:37	0.0	0.0
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173	4/16/2019 09:17:37	0.0	0.0
174	4/16/2019 09:18:07	0.0	0.0
175	4/16/2019 09:18:37	0.0	0.0
176	4/16/2019 09:19:07	0.0	0.0
177	4/16/2019 09:19:37	0.0	0.0
178	4/16/2019 09:20:07	0.0	0.0
179	4/16/2019 09:20:37	0.0	0.0
180	4/16/2019 09:21:07	0.0	0.0
181	4/16/2019 09:21:37	0.0	0.0
182	4/16/2019 09:22:07	0.0	0.0
183	4/16/2019 09:22:37	0.0	0.0
184	4/16/2019 09:23:07	0.0	0.0
185	4/16/2019 09:23:37	0.0	0.0
186	4/16/2019 09:24:07	0.0	0.0
187	4/16/2019 09:24:37	0.0	0.0
188	4/16/2019 09:25:07	0.0	0.0
189	4/16/2019 09:25:37	0.0	0.0
190	4/16/2019 09:26:07	0.0	0.0
191	4/16/2019 09:26:37	0.0	0.0
192	4/16/2019 09:27:07	0.0	0.0
193	4/16/2019 09:27:37	0.0	0.0
194	4/16/2019 09:28:07	0.0	0.0
195	4/16/2019 09:28:37	0.0	0.0
196	4/16/2019 09:29:07	0.0	0.0
197	4/16/2019 09:29:37	0.0	0.0
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199	4/16/2019 09:30:37	0.0	0.0
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201	4/16/2019 09:31:37	0.0	0.0
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203	4/16/2019 09:32:37	0.0	0.0
204	4/16/2019 09:33:07	0.0	0.0
205	4/16/2019 09:33:37	0.0	0.0
206	4/16/2019 09:34:07	0.0	0.0
207	4/16/2019 09:34:37	0.0	0.0
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209	4/16/2019 09:35:37	0.0	0.0
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211	4/16/2019 09:36:37	0.0	0.0
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213	4/16/2019 09:37:37	0.0	0.0
214	4/16/2019 09:38:07	0.0	0.0
215	4/16/2019 09:38:37	0.0	0.0
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218	4/16/2019 09:40:07	0.0	0.0

219	4/16/2019 09:40:37	0.0	0.0
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221	4/16/2019 09:41:37	0.0	0.0
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223	4/16/2019 09:42:37	0.0	0.0
224	4/16/2019 09:43:07	0.0	0.0
225	4/16/2019 09:43:37	0.0	0.0
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227	4/16/2019 09:44:37	0.0	0.0
228	4/16/2019 09:45:07	0.0	0.0
229	4/16/2019 09:45:37	0.0	0.0
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231	4/16/2019 09:46:37	0.0	0.0
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233	4/16/2019 09:47:37	0.0	0.0
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235	4/16/2019 09:48:37	0.0	0.0
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243	4/16/2019 09:52:37	0.0	0.0
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255	4/16/2019 09:58:37	0.0	0.0
256	4/16/2019 09:59:07	0.0	0.0
257	4/16/2019 09:59:37	0.0	0.0
258	4/16/2019 10:00:07	0.0	0.0
259	4/16/2019 10:00:37	0.0	0.0
260	4/16/2019 10:01:07	0.0	0.0
261	4/16/2019 10:01:37	0.0	0.0
262	4/16/2019 10:02:07	0.0	0.0
263	4/16/2019 10:02:37	0.0	0.0
264	4/16/2019 10:03:07	0.0	0.0
265	4/16/2019 10:03:37	0.0	0.0
266	4/16/2019 10:04:07	0.0	0.0
267	4/16/2019 10:04:37	0.0	0.0
268	4/16/2019 10:05:07	0.0	0.0
269	4/16/2019 10:05:37	0.0	0.0
270	4/16/2019 10:06:07	0.0	0.0
271	4/16/2019 10:06:37	0.0	0.0
272	4/16/2019 10:07:07	0.0	0.0
273	4/16/2019 10:07:37	0.0	0.0
274	4/16/2019 10:08:07	0.0	0.0
275	4/16/2019 10:08:37	0.0	0.0

276	4/16/2019 10:09:07	0.0	0.0
277	4/16/2019 10:09:37	0.0	0.0
278	4/16/2019 10:10:07	0.0	0.0
279	4/16/2019 10:10:37	0.0	0.0
280	4/16/2019 10:11:07	0.0	0.0
281	4/16/2019 10:11:37	0.0	0.0
282	4/16/2019 10:12:07	0.0	0.0
283	4/16/2019 10:12:37	0.0	0.0
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285	4/16/2019 10:13:37	0.0	0.0
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287	4/16/2019 10:14:37	0.0	0.0
288	4/16/2019 10:15:07	0.0	0.0
289	4/16/2019 10:15:37	0.0	0.0
290	4/16/2019 10:16:07	0.0	0.0
291	4/16/2019 10:16:37	0.0	0.0
292	4/16/2019 10:17:07	0.0	0.0
293	4/16/2019 10:17:37	0.0	0.0
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295	4/16/2019 10:18:37	0.0	0.0
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297	4/16/2019 10:19:37	0.0	0.0
298	4/16/2019 10:20:07	0.0	0.0
299	4/16/2019 10:20:37	0.0	0.0
300	4/16/2019 10:21:07	0.0	0.0
301	4/16/2019 10:21:37	0.0	0.0
302	4/16/2019 10:22:07	0.0	0.0
303	4/16/2019 10:22:37	0.0	0.0
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307	4/16/2019 10:24:37	0.0	0.0
308	4/16/2019 10:25:07	0.0	0.0
309	4/16/2019 10:25:37	0.0	0.0
310	4/16/2019 10:26:07	0.0	0.0
311	4/16/2019 10:26:37	0.0	0.0
312	4/16/2019 10:27:07	0.0	0.0
313	4/16/2019 10:27:37	0.0	0.0
314	4/16/2019 10:28:07	0.0	0.0
315	4/16/2019 10:28:37	0.0	0.0
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317	4/16/2019 10:29:37	0.0	0.0
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319	4/16/2019 10:30:37	0.0	0.0
320	4/16/2019 10:31:07	0.0	0.0
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322	4/16/2019 10:32:07	0.0	0.0
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324	4/16/2019 10:33:07	0.0	0.0
325	4/16/2019 10:33:37	0.0	0.0
326	4/16/2019 10:34:07	0.0	0.0
327	4/16/2019 10:34:37	0.0	0.0
328	4/16/2019 10:35:07	0.0	0.0
329	4/16/2019 10:35:37	0.0	0.0
330	4/16/2019 10:36:07	0.0	0.0
331	4/16/2019 10:36:37	0.0	0.0
332	4/16/2019 10:37:07	0.0	0.0

333	4/16/2019 10:37:37	0.0	0.0
334	4/16/2019 10:38:07	0.0	0.0
335	4/16/2019 10:38:37	0.0	0.0
336	4/16/2019 10:39:07	0.0	0.0
337	4/16/2019 10:39:37	0.0	0.0
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339	4/16/2019 10:40:37	0.0	0.0
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341	4/16/2019 10:41:37	0.0	0.0
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348	4/16/2019 10:45:07	0.0	0.0
349	4/16/2019 10:45:37	0.0	0.0
350	4/16/2019 10:46:07	0.0	0.0
351	4/16/2019 10:46:37	0.0	0.0
352	4/16/2019 10:47:07	0.0	0.0
353	4/16/2019 10:47:37	0.0	0.0
354	4/16/2019 10:48:07	0.0	0.0
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356	4/16/2019 10:49:07	0.0	0.0
357	4/16/2019 10:49:37	0.0	0.0
358	4/16/2019 10:50:07	0.0	0.0
359	4/16/2019 10:50:37	0.0	0.0
360	4/16/2019 10:51:07	0.0	0.0
361	4/16/2019 10:51:37	0.0	0.0
362	4/16/2019 10:52:07	0.0	0.0
363	4/16/2019 10:52:37	0.0	0.0
364	4/16/2019 10:53:07	0.0	0.0
365	4/16/2019 10:53:37	0.0	0.0
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733	4/16/2019 13:57:37	0.0	0.0
734	4/16/2019 13:58:07	0.0	0.0
735	4/16/2019 13:58:37	0.0	0.0
736	4/16/2019 13:59:07	0.0	0.0
737	4/16/2019 13:59:37	0.0	0.0
738	4/16/2019 14:00:07	0.0	0.0
739	4/16/2019 14:00:37	0.0	0.0
740	4/16/2019 14:01:07	0.0	0.0
741	4/16/2019 14:01:37	0.0	0.0
742	4/16/2019 14:02:07	0.0	0.0
743	4/16/2019 14:02:37	0.0	0.0
744	4/16/2019 14:03:07	0.0	0.0
745	4/16/2019 14:03:37	0.0	0.0
746	4/16/2019 14:04:07	0.0	0.0
747	4/16/2019 14:04:37	0.0	0.0
748	4/16/2019 14:05:07	0.0	0.0
749	4/16/2019 14:05:37	0.0	0.0
750	4/16/2019 14:06:07	0.0	0.0
751	4/16/2019 14:06:37	0.0	0.0
752	4/16/2019 14:07:07	0.0	0.0
753	4/16/2019 14:07:37	0.0	0.0
754	4/16/2019 14:08:07	0.0	0.0
755	4/16/2019 14:08:37	0.0	0.0
756	4/16/2019 14:09:07	0.0	0.0
757	4/16/2019 14:09:37	0.0	0.0
758	4/16/2019 14:10:07	0.0	0.0
759	4/16/2019 14:10:37	0.0	0.0
760	4/16/2019 14:11:07	0.0	0.0
761	4/16/2019 14:11:37	0.0	0.0
762	4/16/2019 14:12:07	0.0	0.0
763	4/16/2019 14:12:37	0.0	0.0
764	4/16/2019 14:13:07	0.0	0.0
765	4/16/2019 14:13:37	0.0	0.0
766	4/16/2019 14:14:07	0.0	0.0
767	4/16/2019 14:14:37	0.0	0.0
768	4/16/2019 14:15:07	0.0	0.0
769	4/16/2019 14:15:37	0.0	0.0
770	4/16/2019 14:16:07	0.0	0.0
771	4/16/2019 14:16:37	0.0	0.0
772	4/16/2019 14:17:07	0.0	0.0
773	4/16/2019 14:17:37	0.0	0.0
774	4/16/2019 14:18:07	0.0	0.0
775	4/16/2019 14:18:37	0.0	0.0
776	4/16/2019 14:19:07	0.0	0.0
777	4/16/2019 14:19:37	0.0	0.0
778	4/16/2019 14:20:07	0.0	0.0
779	4/16/2019 14:20:37	0.0	0.0
780	4/16/2019 14:21:07	0.0	0.0
781	4/16/2019 14:21:37	0.0	0.0
782	4/16/2019 14:22:07	0.0	0.0
783	4/16/2019 14:22:37	0.0	0.0
784	4/16/2019 14:23:07	0.0	0.0
785	4/16/2019 14:23:37	0.0	0.0
786	4/16/2019 14:24:07	0.0	0.0
787	4/16/2019 14:24:37	0.0	0.0
788	4/16/2019 14:25:07	0.0	0.0

789 4/16/2019 14:25:37 0.0 0.0
790 4/16/2019 14:26:07 0.0 0.0
==========
19/04/17 08:19
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/17/2019 08:19:22
End 4/17/2019 08:19:28
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/16/2019 07:43

****
Datalog

0 record.

==========
19/04/17 08:25
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037

User ID 00000001

Begin 4/17/2019 08:25:25
End 4/17/2019 14:13:52
Sample Period(s) 30
Number of Records 696

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/16/2019 07:43
Peak 0.5
Min 0.0
Average 0.1

****

Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/17/2019 08:25:55	0.0	0.0	0.0	0.0
002	4/17/2019 08:26:25	0.0	0.0	0.0	0.0
003	4/17/2019 08:26:55	0.0	0.0	0.0	0.0
004	4/17/2019 08:27:25	0.0	0.0	0.0	0.0
005	4/17/2019 08:27:55	0.0	0.0	0.0	0.0
006	4/17/2019 08:28:25	0.0	0.0	0.0	0.0
007	4/17/2019 08:28:55	0.0	0.0	0.0	0.0
008	4/17/2019 08:29:25	0.0	0.0	0.0	0.0
009	4/17/2019 08:29:55	0.0	0.0	0.0	0.0
010	4/17/2019 08:30:25	0.0	0.0	0.0	0.0
011	4/17/2019 08:30:55	0.0	0.0	0.0	0.0
012	4/17/2019 08:31:25	0.0	0.0	0.0	0.0
013	4/17/2019 08:31:55	0.0	0.0	0.0	0.0
014	4/17/2019 08:32:25	0.0	0.0	0.0	0.0
015	4/17/2019 08:32:55	0.0	0.0	0.0	0.0
016	4/17/2019 08:33:25	0.0	0.0	0.0	0.0
017	4/17/2019 08:33:55	0.0	0.0	0.0	0.0
018	4/17/2019 08:34:25	0.0	0.0	0.0	0.0
019	4/17/2019 08:34:55	0.0	0.0	0.0	0.0
020	4/17/2019 08:35:25	0.0	0.0	0.0	0.0
021	4/17/2019 08:35:55	0.0	0.0	0.0	0.0
022	4/17/2019 08:36:25	0.0	0.0	0.0	0.0
023	4/17/2019 08:36:55	0.0	0.0	0.0	0.0
024	4/17/2019 08:37:25	0.0	0.0	0.0	0.0
025	4/17/2019 08:37:55	0.0	0.0	0.0	0.0
026	4/17/2019 08:38:25	0.0	0.0	0.0	0.0
027	4/17/2019 08:38:55	0.0	0.0	0.0	0.0
028	4/17/2019 08:39:25	0.0	0.0	0.0	0.0
029	4/17/2019 08:39:55	0.0	0.0	0.0	0.0
030	4/17/2019 08:40:25	0.0	0.0	0.0	0.0

031	4/17/2019	08:40:55	0.0	0.0	0.0	0.0
032	4/17/2019	08:41:25	0.0	0.0	0.0	0.0
033	4/17/2019	08:41:55	0.0	0.0	0.0	0.0
034	4/17/2019	08:42:25	0.0	0.0	0.0	0.0
035	4/17/2019	08:42:55	0.0	0.0	0.0	0.0
036	4/17/2019	08:43:25	0.0	0.0	0.0	0.0
037	4/17/2019	08:43:55	0.0	0.0	0.0	0.0
038	4/17/2019	08:44:25	0.0	0.0	0.0	0.0
039	4/17/2019	08:44:55	0.0	0.0	0.0	0.0
040	4/17/2019	08:45:25	0.0	0.0	0.0	0.0
041	4/17/2019	08:45:55	0.0	0.0	0.0	0.0
042	4/17/2019	08:46:25	0.0	0.0	0.0	0.0
043	4/17/2019	08:46:55	0.0	0.0	0.0	0.0
044	4/17/2019	08:47:25	0.0	0.0	0.0	0.0
045	4/17/2019	08:47:55	0.0	0.0	0.0	0.0
046	4/17/2019	08:48:25	0.0	0.0	0.0	0.0
047	4/17/2019	08:48:55	0.0	0.0	0.0	0.0
048	4/17/2019	08:49:25	0.0	0.0	0.0	0.0
049	4/17/2019	08:49:55	0.0	0.0	0.0	0.0
050	4/17/2019	08:50:25	0.0	0.0	0.0	0.0
051	4/17/2019	08:50:55	0.0	0.0	0.0	0.0
052	4/17/2019	08:51:25	0.0	0.0	0.0	0.0
053	4/17/2019	08:51:55	0.0	0.0	0.0	0.0
054	4/17/2019	08:52:25	0.0	0.0	0.0	0.0
055	4/17/2019	08:52:55	0.0	0.0	0.0	0.0
056	4/17/2019	08:53:25	0.0	0.0	0.0	0.0
057	4/17/2019	08:53:55	0.0	0.0	0.0	0.0
058	4/17/2019	08:54:25	0.0	0.0	0.0	0.0
059	4/17/2019	08:54:55	0.0	0.0	0.0	0.0
060	4/17/2019	08:55:25	0.0	0.0	0.0	0.0
061	4/17/2019	08:55:55	0.0	0.0	0.0	0.0
062	4/17/2019	08:56:25	0.0	0.0	0.0	0.0
063	4/17/2019	08:56:55	0.0	0.0	0.0	0.0
064	4/17/2019	08:57:25	0.0	0.0	0.0	0.0
065	4/17/2019	08:57:55	0.0	0.0	0.0	0.0
066	4/17/2019	08:58:25	0.0	0.0	0.0	0.0
067	4/17/2019	08:58:55	0.0	0.0	0.0	0.0
068	4/17/2019	08:59:25	0.0	0.0	0.0	0.0
069	4/17/2019	08:59:55	0.0	0.0	0.0	0.0
070	4/17/2019	09:00:25	0.0	0.0	0.0	0.0
071	4/17/2019	09:00:55	0.0	0.0	0.0	0.0
072	4/17/2019	09:01:25	0.0	0.0	0.0	0.0
073	4/17/2019	09:01:55	0.0	0.0	0.0	0.0
074	4/17/2019	09:02:25	0.0	0.0	0.0	0.0
075	4/17/2019	09:02:55	0.0	0.0	0.0	0.0
076	4/17/2019	09:03:25	0.0	0.1	0.4	0.2
077	4/17/2019	09:03:55	0.0	0.0	0.2	0.2
078	4/17/2019	09:04:25	0.0	0.1	0.2	0.1
079	4/17/2019	09:04:55	0.0	0.0	0.1	0.0
080	4/17/2019	09:05:25	0.0	0.0	0.1	0.1
081	4/17/2019	09:05:55	0.0	0.0	0.1	0.1
082	4/17/2019	09:06:25	0.0	0.1	0.2	0.0
083	4/17/2019	09:06:55	0.0	0.0	0.0	0.0
084	4/17/2019	09:07:25	0.0	0.0	0.0	0.0
085	4/17/2019	09:07:55	0.0	0.0	0.0	0.0
086	4/17/2019	09:08:25	0.0	0.0	0.0	0.0
087	4/17/2019	09:08:55	0.0	0.0	0.0	0.0

088	4/17/2019	09:09:25	0.0	0.0	0.1	0.1
089	4/17/2019	09:09:55	0.0	0.0	0.1	0.0
090	4/17/2019	09:10:25	0.0	0.0	0.0	0.0
091	4/17/2019	09:10:55	0.0	0.0	0.1	0.1
092	4/17/2019	09:11:25	0.0	0.1	0.1	0.1
093	4/17/2019	09:11:55	0.0	0.0	0.1	0.0
094	4/17/2019	09:12:25	0.0	0.0	0.0	0.0
095	4/17/2019	09:12:55	0.0	0.0	0.1	0.1
096	4/17/2019	09:13:25	0.0	0.1	0.1	0.1
097	4/17/2019	09:13:55	0.0	0.0	0.1	0.0
098	4/17/2019	09:14:25	0.0	0.0	0.1	0.1
099	4/17/2019	09:14:55	0.0	0.0	0.1	0.0
100	4/17/2019	09:15:25	0.0	0.0	0.0	0.0
101	4/17/2019	09:15:55	0.0	0.0	0.0	0.0
102	4/17/2019	09:16:25	0.0	0.0	0.0	0.0
103	4/17/2019	09:16:55	0.0	0.0	0.0	0.0
104	4/17/2019	09:17:25	0.0	0.0	0.0	0.0
105	4/17/2019	09:17:55	0.0	0.0	0.0	0.0
106	4/17/2019	09:18:25	0.0	0.0	0.0	0.0
107	4/17/2019	09:18:55	0.0	0.0	0.1	0.0
108	4/17/2019	09:19:25	0.0	0.1	0.1	0.0
109	4/17/2019	09:19:55	0.0	0.1	0.1	0.0
110	4/17/2019	09:20:25	0.0	0.0	0.0	0.0
111	4/17/2019	09:20:55	0.0	0.1	0.1	0.0
112	4/17/2019	09:21:25	0.0	0.0	0.0	0.0
113	4/17/2019	09:21:55	0.0	0.0	0.1	0.0
114	4/17/2019	09:22:25	0.0	0.0	0.1	0.0
115	4/17/2019	09:22:55	0.0	0.0	0.1	0.0
116	4/17/2019	09:23:25	0.0	0.0	0.1	0.0
117	4/17/2019	09:23:55	0.0	0.1	0.1	0.1
118	4/17/2019	09:24:25	0.0	0.1	0.1	0.0
119	4/17/2019	09:24:55	0.0	0.1	0.1	0.1
120	4/17/2019	09:25:25	0.1	0.1	0.1	0.1
121	4/17/2019	09:25:55	0.1	0.1	0.1	0.1
122	4/17/2019	09:26:25	0.1	0.1	0.1	0.1
123	4/17/2019	09:26:55	0.0	0.1	0.1	0.1
124	4/17/2019	09:27:25	0.0	0.0	0.1	0.0
125	4/17/2019	09:27:55	0.0	0.0	0.0	0.0
126	4/17/2019	09:28:25	0.0	0.1	0.1	0.0
127	4/17/2019	09:28:55	0.0	0.0	0.1	0.0
128	4/17/2019	09:29:25	0.0	0.0	0.0	0.0
129	4/17/2019	09:29:55	0.0	0.0	0.0	0.0
130	4/17/2019	09:30:25	0.0	0.0	0.0	0.0
131	4/17/2019	09:30:55	0.0	0.0	0.1	0.1
132	4/17/2019	09:31:25	0.1	0.1	0.1	0.1
133	4/17/2019	09:31:55	0.0	0.0	0.1	0.0
134	4/17/2019	09:32:25	0.0	0.0	0.0	0.0
135	4/17/2019	09:32:55	0.0	0.1	0.1	0.1
136	4/17/2019	09:33:25	0.0	0.1	0.1	0.1
137	4/17/2019	09:33:55	0.0	0.1	0.1	0.1
138	4/17/2019	09:34:25	0.1	0.1	0.1	0.1
139	4/17/2019	09:34:55	0.1	0.1	0.1	0.1
140	4/17/2019	09:35:25	0.1	0.1	0.1	0.1
141	4/17/2019	09:35:55	0.1	0.1	0.1	0.1
142	4/17/2019	09:36:25	0.1	0.1	0.1	0.1
143	4/17/2019	09:36:55	0.1	0.1	0.1	0.1
144	4/17/2019	09:37:25	0.1	0.1	0.1	0.1

145	4/17/2019 09:37:55	0.1	0.1	0.1	0.1
146	4/17/2019 09:38:25	0.1	0.1	0.1	0.1
147	4/17/2019 09:38:55	0.1	0.1	0.1	0.1
148	4/17/2019 09:39:25	0.1	0.1	0.1	0.1
149	4/17/2019 09:39:55	0.1	0.1	0.1	0.1
150	4/17/2019 09:40:25	0.1	0.1	0.1	0.1
151	4/17/2019 09:40:55	0.1	0.1	0.1	0.1
152	4/17/2019 09:41:25	0.1	0.1	0.1	0.1
153	4/17/2019 09:41:55	0.1	0.1	0.1	0.1
154	4/17/2019 09:42:25	0.1	0.1	0.1	0.1
155	4/17/2019 09:42:55	0.1	0.1	0.1	0.1
156	4/17/2019 09:43:25	0.1	0.1	0.1	0.1
157	4/17/2019 09:43:55	0.1	0.1	0.1	0.1
158	4/17/2019 09:44:25	0.0	0.1	0.1	0.1
159	4/17/2019 09:44:55	0.1	0.1	0.1	0.1
160	4/17/2019 09:45:25	0.1	0.1	0.1	0.1
161	4/17/2019 09:45:55	0.0	0.1	0.1	0.1
162	4/17/2019 09:46:25	0.1	0.1	0.1	0.1
163	4/17/2019 09:46:55	0.1	0.1	0.1	0.1
164	4/17/2019 09:47:25	0.0	0.1	0.1	0.1
165	4/17/2019 09:47:55	0.1	0.1	0.1	0.1
166	4/17/2019 09:48:25	0.0	0.1	0.1	0.0
167	4/17/2019 09:48:55	0.0	0.1	0.1	0.1
168	4/17/2019 09:49:25	0.1	0.1	0.1	0.1
169	4/17/2019 09:49:55	0.1	0.1	0.1	0.1
170	4/17/2019 09:50:25	0.1	0.1	0.1	0.1
171	4/17/2019 09:50:55	0.1	0.1	0.1	0.1
172	4/17/2019 09:51:25	0.1	0.1	0.1	0.1
173	4/17/2019 09:51:55	0.0	0.1	0.1	0.1
174	4/17/2019 09:52:25	0.1	0.1	0.1	0.1
175	4/17/2019 09:52:55	0.1	0.1	0.1	0.1
176	4/17/2019 09:53:25	0.1	0.1	0.1	0.1
177	4/17/2019 09:53:55	0.1	0.1	0.1	0.1
178	4/17/2019 09:54:25	0.1	0.1	0.1	0.1
179	4/17/2019 09:54:55	0.1	0.1	0.1	0.1
180	4/17/2019 09:55:25	0.1	0.1	0.1	0.1
181	4/17/2019 09:55:55	0.0	0.1	0.1	0.1
182	4/17/2019 09:56:25	0.1	0.1	0.1	0.1
183	4/17/2019 09:56:55	0.1	0.1	0.1	0.1
184	4/17/2019 09:57:25	0.1	0.1	0.1	0.1
185	4/17/2019 09:57:55	0.1	0.1	0.1	0.1
186	4/17/2019 09:58:25	0.1	0.1	0.1	0.1
187	4/17/2019 09:58:55	0.1	0.1	0.1	0.1
188	4/17/2019 09:59:25	0.1	0.1	0.1	0.1
189	4/17/2019 09:59:55	0.1	0.1	0.1	0.1
190	4/17/2019 10:00:25	0.1	0.1	0.1	0.1
191	4/17/2019 10:00:55	0.1	0.1	0.1	0.1
192	4/17/2019 10:01:25	0.1	0.1	0.1	0.1
193	4/17/2019 10:01:55	0.1	0.1	0.1	0.1
194	4/17/2019 10:02:25	0.1	0.1	0.1	0.1
195	4/17/2019 10:02:55	0.1	0.1	0.2	0.1
196	4/17/2019 10:03:25	0.1	0.1	0.1	0.1
197	4/17/2019 10:03:55	0.1	0.1	0.1	0.1
198	4/17/2019 10:04:25	0.1	0.1	0.1	0.1
199	4/17/2019 10:04:55	0.1	0.1	0.1	0.1
200	4/17/2019 10:05:25	0.1	0.1	0.1	0.1
201	4/17/2019 10:05:55	0.1	0.1	0.1	0.1

202	4/17/2019	10:06:25	0.1	0.1	0.1	0.1
203	4/17/2019	10:06:55	0.1	0.1	0.1	0.1
204	4/17/2019	10:07:25	0.1	0.1	0.1	0.1
205	4/17/2019	10:07:55	0.1	0.1	0.1	0.1
206	4/17/2019	10:08:25	0.1	0.1	0.2	0.1
207	4/17/2019	10:08:55	0.1	0.1	0.2	0.2
208	4/17/2019	10:09:25	0.1	0.1	0.2	0.1
209	4/17/2019	10:09:55	0.1	0.1	0.1	0.1
210	4/17/2019	10:10:25	0.1	0.1	0.1	0.1
211	4/17/2019	10:10:55	0.1	0.1	0.1	0.1
212	4/17/2019	10:11:25	0.1	0.1	0.2	0.2
213	4/17/2019	10:11:55	0.1	0.1	0.2	0.1
214	4/17/2019	10:12:25	0.1	0.1	0.1	0.1
215	4/17/2019	10:12:55	0.1	0.1	0.1	0.1
216	4/17/2019	10:13:25	0.1	0.1	0.1	0.1
217	4/17/2019	10:13:55	0.1	0.1	0.1	0.1
218	4/17/2019	10:14:25	0.1	0.1	0.1	0.1
219	4/17/2019	10:14:55	0.1	0.1	0.1	0.1
220	4/17/2019	10:15:25	0.1	0.1	0.2	0.1
221	4/17/2019	10:15:55	0.1	0.2	0.2	0.2
222	4/17/2019	10:16:25	0.2	0.2	0.3	0.3
223	4/17/2019	10:16:55	0.2	0.2	0.3	0.2
224	4/17/2019	10:17:25	0.2	0.2	0.2	0.2
225	4/17/2019	10:17:55	0.1	0.2	0.2	0.2
226	4/17/2019	10:18:25	0.1	0.1	0.2	0.1
227	4/17/2019	10:18:55	0.1	0.1	0.2	0.2
228	4/17/2019	10:19:25	0.1	0.2	0.2	0.2
229	4/17/2019	10:19:55	0.1	0.1	0.2	0.1
230	4/17/2019	10:20:25	0.1	0.1	0.1	0.1
231	4/17/2019	10:20:55	0.1	0.1	0.1	0.1
232	4/17/2019	10:21:25	0.1	0.1	0.1	0.1
233	4/17/2019	10:21:55	0.1	0.1	0.2	0.1
234	4/17/2019	10:22:25	0.1	0.2	0.2	0.2
235	4/17/2019	10:22:55	0.1	0.2	0.2	0.2
236	4/17/2019	10:23:25	0.2	0.2	0.2	0.2
237	4/17/2019	10:23:55	0.1	0.2	0.2	0.2
238	4/17/2019	10:24:25	0.1	0.2	0.2	0.2
239	4/17/2019	10:24:55	0.2	0.2	0.2	0.2
240	4/17/2019	10:25:25	0.1	0.2	0.2	0.2
241	4/17/2019	10:25:55	0.2	0.2	0.2	0.2
242	4/17/2019	10:26:25	0.2	0.2	0.2	0.2
243	4/17/2019	10:26:55	0.2	0.2	0.2	0.2
244	4/17/2019	10:27:25	0.2	0.2	0.2	0.2
245	4/17/2019	10:27:55	0.2	0.2	0.2	0.2
246	4/17/2019	10:28:25	0.1	0.2	0.2	0.2
247	4/17/2019	10:28:55	0.1	0.2	0.2	0.2
248	4/17/2019	10:29:25	0.2	0.2	0.2	0.2
249	4/17/2019	10:29:55	0.2	0.2	0.2	0.2
250	4/17/2019	10:30:25	0.2	0.2	0.2	0.2
251	4/17/2019	10:30:55	0.2	0.2	0.2	0.2
252	4/17/2019	10:31:25	0.2	0.2	0.2	0.2
253	4/17/2019	10:31:55	0.2	0.2	0.2	0.2
254	4/17/2019	10:32:25	0.2	0.2	0.3	0.2
255	4/17/2019	10:32:55	0.2	0.2	0.2	0.2
256	4/17/2019	10:33:25	0.2	0.2	0.2	0.2
257	4/17/2019	10:33:55	0.2	0.2	0.2	0.2
258	4/17/2019	10:34:25	0.2	0.2	0.2	0.2

259	4/17/2019	10:34:55	0.2	0.2	0.2	0.2
260	4/17/2019	10:35:25	0.2	0.2	0.2	0.2
261	4/17/2019	10:35:55	0.2	0.2	0.2	0.2
262	4/17/2019	10:36:25	0.2	0.2	0.2	0.2
263	4/17/2019	10:36:55	0.2	0.2	0.2	0.2
264	4/17/2019	10:37:25	0.2	0.2	0.2	0.2
265	4/17/2019	10:37:55	0.2	0.2	0.2	0.2
266	4/17/2019	10:38:25	0.2	0.2	0.2	0.2
267	4/17/2019	10:38:55	0.2	0.2	0.2	0.2
268	4/17/2019	10:39:25	0.2	0.2	0.2	0.2
269	4/17/2019	10:39:55	0.2	0.2	0.2	0.2
270	4/17/2019	10:40:25	0.2	0.2	0.2	0.2
271	4/17/2019	10:40:55	0.2	0.2	0.2	0.2
272	4/17/2019	10:41:25	0.2	0.2	0.2	0.2
273	4/17/2019	10:41:55	0.2	0.2	0.2	0.2
274	4/17/2019	10:42:25	0.2	0.2	0.2	0.2
275	4/17/2019	10:42:55	0.2	0.2	0.2	0.2
276	4/17/2019	10:43:25	0.2	0.2	0.2	0.2
277	4/17/2019	10:43:55	0.2	0.2	0.2	0.2
278	4/17/2019	10:44:25	0.3	0.3	0.4	0.4
279	4/17/2019	10:44:55	0.3	0.3	0.4	0.3
280	4/17/2019	10:45:25	0.3	0.3	0.3	0.3
281	4/17/2019	10:45:55	0.3	0.4	0.5	0.4
282	4/17/2019	10:46:25	0.3	0.4	0.4	0.3
283	4/17/2019	10:46:55	0.3	0.3	0.3	0.3
284	4/17/2019	10:47:25	0.2	0.2	0.3	0.2
285	4/17/2019	10:47:55	0.2	0.3	0.3	0.3
286	4/17/2019	10:48:25	0.3	0.3	0.5	0.3
287	4/17/2019	10:48:55	0.2	0.3	0.5	0.5
288	4/17/2019	10:49:25	0.3	0.5	0.7	0.3
289	4/17/2019	10:49:55	0.3	0.3	0.3	0.3
290	4/17/2019	10:50:25	0.3	0.3	0.3	0.3
291	4/17/2019	10:50:55	0.2	0.2	0.3	0.2
292	4/17/2019	10:51:25	0.2	0.2	0.2	0.2
293	4/17/2019	10:51:55	0.2	0.2	0.2	0.2
294	4/17/2019	10:52:25	0.2	0.2	0.2	0.2
295	4/17/2019	10:52:55	0.2	0.2	0.2	0.2
296	4/17/2019	10:53:25	0.2	0.2	0.2	0.2
297	4/17/2019	10:53:55	0.2	0.3	0.3	0.3
298	4/17/2019	10:54:25	0.2	0.2	0.3	0.2
299	4/17/2019	10:54:55	0.2	0.2	0.2	0.2
300	4/17/2019	10:55:25	0.2	0.2	0.2	0.2
301	4/17/2019	10:55:55	0.2	0.2	0.2	0.2
302	4/17/2019	10:56:25	0.2	0.2	0.2	0.2
303	4/17/2019	10:56:55	0.2	0.2	0.3	0.2
304	4/17/2019	10:57:25	0.2	0.2	0.2	0.2
305	4/17/2019	10:57:55	0.2	0.2	0.2	0.2
306	4/17/2019	10:58:25	0.2	0.2	0.2	0.2
307	4/17/2019	10:58:55	0.2	0.2	0.2	0.2
308	4/17/2019	10:59:25	0.2	0.2	0.2	0.2
309	4/17/2019	10:59:55	0.2	0.2	0.2	0.2
310	4/17/2019	11:00:25	0.2	0.2	0.2	0.2
311	4/17/2019	11:00:55	0.2	0.2	0.2	0.2
312	4/17/2019	11:01:25	0.2	0.2	0.2	0.2
313	4/17/2019	11:01:55	0.2	0.2	0.2	0.2
314	4/17/2019	11:02:25	0.2	0.2	0.2	0.2
315	4/17/2019	11:02:55	0.2	0.2	0.2	0.2

316	4/17/2019	11:03:25	0.2	0.3	0.4	0.4
317	4/17/2019	11:03:55	0.2	0.3	0.4	0.2
318	4/17/2019	11:04:25	0.2	0.2	0.2	0.2
319	4/17/2019	11:04:55	0.2	0.2	0.2	0.2
320	4/17/2019	11:05:25	0.2	0.2	0.2	0.2
321	4/17/2019	11:05:55	0.2	0.2	0.2	0.2
322	4/17/2019	11:06:25	0.2	0.2	0.2	0.2
323	4/17/2019	11:06:55	0.2	0.2	0.2	0.2
324	4/17/2019	11:07:25	0.2	0.3	0.4	0.3
325	4/17/2019	11:07:55	0.2	0.3	0.3	0.3
326	4/17/2019	11:08:25	0.3	0.3	0.3	0.3
327	4/17/2019	11:08:55	0.3	0.3	0.3	0.3
328	4/17/2019	11:09:25	0.3	0.3	0.3	0.3
329	4/17/2019	11:09:55	0.2	0.3	0.3	0.2
330	4/17/2019	11:10:25	0.2	0.2	0.2	0.2
331	4/17/2019	11:10:55	0.2	0.2	0.2	0.2
332	4/17/2019	11:11:25	0.2	0.2	0.3	0.2
333	4/17/2019	11:11:55	0.2	0.2	0.2	0.2
334	4/17/2019	11:12:25	0.2	0.3	0.6	0.5
335	4/17/2019	11:12:55	0.2	0.3	0.4	0.2
336	4/17/2019	11:13:25	0.2	0.3	0.3	0.2
337	4/17/2019	11:13:55	0.2	0.3	0.3	0.2
338	4/17/2019	11:14:25	0.2	0.2	0.3	0.3
339	4/17/2019	11:14:55	0.2	0.2	0.2	0.2
340	4/17/2019	11:15:25	0.2	0.2	0.3	0.2
341	4/17/2019	11:15:55	0.2	0.2	0.2	0.2
342	4/17/2019	11:16:25	0.2	0.2	0.2	0.2
343	4/17/2019	11:16:55	0.2	0.2	0.2	0.2
344	4/17/2019	11:17:25	0.2	0.2	0.3	0.3
345	4/17/2019	11:17:55	0.3	0.4	0.6	0.4
346	4/17/2019	11:18:25	0.3	0.3	0.4	0.3
347	4/17/2019	11:18:55	0.3	0.4	0.5	0.4
348	4/17/2019	11:19:25	0.3	0.3	0.5	0.3
349	4/17/2019	11:19:55	0.3	0.4	0.5	0.4
350	4/17/2019	11:20:25	0.3	0.4	0.5	0.3
351	4/17/2019	11:20:55	0.3	0.3	0.4	0.4
352	4/17/2019	11:21:25	0.3	0.3	0.4	0.3
353	4/17/2019	11:21:55	0.2	0.3	0.3	0.2
354	4/17/2019	11:22:25	0.2	0.2	0.2	0.2
355	4/17/2019	11:22:55	0.2	0.2	0.2	0.2
356	4/17/2019	11:23:25	0.2	0.2	0.2	0.2
357	4/17/2019	11:23:55	0.2	0.2	0.2	0.2
358	4/17/2019	11:24:25	0.2	0.2	0.2	0.2
359	4/17/2019	11:24:55	0.2	0.2	0.2	0.2
360	4/17/2019	11:25:25	0.2	0.2	0.2	0.2
361	4/17/2019	11:25:55	0.2	0.2	0.2	0.2
362	4/17/2019	11:26:25	0.2	0.3	0.3	0.2
363	4/17/2019	11:26:55	0.2	0.2	0.2	0.2
364	4/17/2019	11:27:25	0.2	0.2	0.2	0.2
365	4/17/2019	11:27:55	0.2	0.2	0.2	0.2
366	4/17/2019	11:28:25	0.2	0.2	0.2	0.2
367	4/17/2019	11:28:55	0.2	0.2	0.2	0.2
368	4/17/2019	11:29:25	0.1	0.2	0.2	0.1
369	4/17/2019	11:29:55	0.1	0.1	0.2	0.1
370	4/17/2019	11:30:25	0.1	0.1	0.2	0.1
371	4/17/2019	11:30:55	0.1	0.1	0.2	0.2
372	4/17/2019	11:31:25	0.1	0.1	0.2	0.1

373	4/17/2019	11:31:55	0.1	0.1	0.2	0.1
374	4/17/2019	11:32:25	0.1	0.1	0.2	0.2
375	4/17/2019	11:32:55	0.2	0.2	0.2	0.2
376	4/17/2019	11:33:25	0.2	0.2	0.3	0.2
377	4/17/2019	11:33:55	0.2	0.2	0.2	0.2
378	4/17/2019	11:34:25	0.2	0.2	0.2	0.2
379	4/17/2019	11:34:55	0.2	0.2	0.2	0.2
380	4/17/2019	11:35:25	0.2	0.2	0.2	0.2
381	4/17/2019	11:35:55	0.2	0.2	0.2	0.2
382	4/17/2019	11:36:25	0.1	0.2	0.2	0.2
383	4/17/2019	11:36:55	0.2	0.2	0.2	0.2
384	4/17/2019	11:37:25	0.1	0.1	0.2	0.1
385	4/17/2019	11:37:55	0.1	0.2	0.2	0.2
386	4/17/2019	11:38:25	0.1	0.2	0.2	0.1
387	4/17/2019	11:38:55	0.2	0.2	0.2	0.2
388	4/17/2019	11:39:25	0.2	0.2	0.2	0.2
389	4/17/2019	11:39:55	0.1	0.2	0.2	0.1
390	4/17/2019	11:40:25	0.1	0.1	0.2	0.1
391	4/17/2019	11:40:55	0.1	0.1	0.1	0.1
392	4/17/2019	11:41:25	0.1	0.1	0.1	0.1
393	4/17/2019	11:41:55	0.1	0.1	0.1	0.1
394	4/17/2019	11:42:25	0.1	0.1	0.1	0.1
395	4/17/2019	11:42:55	0.1	0.1	0.1	0.1
396	4/17/2019	11:43:25	0.1	0.1	0.1	0.1
397	4/17/2019	11:43:55	0.1	0.1	0.1	0.1
398	4/17/2019	11:44:25	0.1	0.1	0.1	0.1
399	4/17/2019	11:44:55	0.1	0.1	0.1	0.1
400	4/17/2019	11:45:25	0.1	0.1	0.1	0.1
401	4/17/2019	11:45:55	0.1	0.1	0.1	0.1
402	4/17/2019	11:46:25	0.1	0.1	0.1	0.1
403	4/17/2019	11:46:55	0.1	0.1	0.1	0.1
404	4/17/2019	11:47:25	0.1	0.1	0.1	0.1
405	4/17/2019	11:47:55	0.1	0.1	0.1	0.1
406	4/17/2019	11:48:25	0.1	0.2	0.2	0.2
407	4/17/2019	11:48:55	0.1	0.2	0.2	0.1
408	4/17/2019	11:49:25	0.1	0.2	0.2	0.2
409	4/17/2019	11:49:55	0.2	0.2	0.2	0.2
410	4/17/2019	11:50:25	0.1	0.1	0.2	0.2
411	4/17/2019	11:50:55	0.1	0.1	0.2	0.1
412	4/17/2019	11:51:25	0.1	0.1	0.1	0.1
413	4/17/2019	11:51:55	0.1	0.1	0.1	0.1
414	4/17/2019	11:52:25	0.1	0.1	0.1	0.1
415	4/17/2019	11:52:55	0.1	0.1	0.2	0.2
416	4/17/2019	11:53:25	0.1	0.2	0.2	0.2
417	4/17/2019	11:53:55	0.1	0.2	0.2	0.1
418	4/17/2019	11:54:25	0.1	0.2	0.3	0.3
419	4/17/2019	11:54:55	0.2	0.2	0.3	0.2
420	4/17/2019	11:55:25	0.1	0.2	0.2	0.2
421	4/17/2019	11:55:55	0.1	0.2	0.2	0.1
422	4/17/2019	11:56:25	0.1	0.1	0.1	0.1
423	4/17/2019	11:56:55	0.1	0.1	0.1	0.1
424	4/17/2019	11:57:25	0.1	0.1	0.2	0.2
425	4/17/2019	11:57:55	0.1	0.2	0.2	0.2
426	4/17/2019	11:58:25	0.2	0.2	0.2	0.2
427	4/17/2019	11:58:55	0.2	0.2	0.2	0.2
428	4/17/2019	11:59:25	0.2	0.2	0.2	0.2
429	4/17/2019	11:59:55	0.1	0.2	0.2	0.1

430	4/17/2019	12:00:25	0.1	0.1	0.1	0.1
431	4/17/2019	12:00:55	0.1	0.1	0.2	0.1
432	4/17/2019	12:01:25	0.1	0.1	0.2	0.1
433	4/17/2019	12:01:55	0.1	0.1	0.1	0.1
434	4/17/2019	12:02:25	0.1	0.1	0.2	0.1
435	4/17/2019	12:02:55	0.1	0.1	0.1	0.1
436	4/17/2019	12:03:25	0.1	0.1	0.1	0.1
437	4/17/2019	12:03:55	0.1	0.1	0.1	0.1
438	4/17/2019	12:04:25	0.1	0.1	0.2	0.2
439	4/17/2019	12:04:55	0.1	0.2	0.2	0.2
440	4/17/2019	12:05:25	0.1	0.1	0.2	0.1
441	4/17/2019	12:05:55	0.1	0.1	0.2	0.1
442	4/17/2019	12:06:25	0.1	0.1	0.1	0.1
443	4/17/2019	12:06:55	0.1	0.2	0.2	0.1
444	4/17/2019	12:07:25	0.1	0.2	0.2	0.2
445	4/17/2019	12:07:55	0.1	0.1	0.2	0.1
446	4/17/2019	12:08:25	0.1	0.2	0.2	0.2
447	4/17/2019	12:08:55	0.1	0.2	0.2	0.1
448	4/17/2019	12:09:25	0.1	0.1	0.1	0.1
449	4/17/2019	12:09:55	0.1	0.1	0.1	0.1
450	4/17/2019	12:10:25	0.1	0.1	0.1	0.1
451	4/17/2019	12:10:55	0.1	0.1	0.2	0.2
452	4/17/2019	12:11:25	0.2	0.2	0.2	0.2
453	4/17/2019	12:11:55	0.1	0.1	0.2	0.1
454	4/17/2019	12:12:25	0.1	0.1	0.1	0.1
455	4/17/2019	12:12:55	0.1	0.1	0.2	0.1
456	4/17/2019	12:13:25	0.1	0.1	0.1	0.1
457	4/17/2019	12:13:55	0.1	0.1	0.1	0.1
458	4/17/2019	12:14:25	0.1	0.2	0.2	0.2
459	4/17/2019	12:14:55	0.1	0.2	0.2	0.1
460	4/17/2019	12:15:25	0.1	0.1	0.1	0.1
461	4/17/2019	12:15:55	0.1	0.2	0.2	0.2
462	4/17/2019	12:16:25	0.2	0.2	0.2	0.2
463	4/17/2019	12:16:55	0.2	0.2	0.2	0.2
464	4/17/2019	12:17:25	0.2	0.2	0.2	0.2
465	4/17/2019	12:17:55	0.1	0.2	0.2	0.2
466	4/17/2019	12:18:25	0.1	0.2	0.2	0.2
467	4/17/2019	12:18:55	0.2	0.2	0.2	0.2
468	4/17/2019	12:19:25	0.1	0.2	0.2	0.2
469	4/17/2019	12:19:55	0.1	0.2	0.2	0.1
470	4/17/2019	12:20:25	0.1	0.1	0.2	0.1
471	4/17/2019	12:20:55	0.1	0.1	0.2	0.1
472	4/17/2019	12:21:25	0.1	0.1	0.1	0.1
473	4/17/2019	12:21:55	0.1	0.1	0.2	0.1
474	4/17/2019	12:22:25	0.1	0.1	0.1	0.1
475	4/17/2019	12:22:55	0.1	0.1	0.1	0.1
476	4/17/2019	12:23:25	0.1	0.1	0.1	0.1
477	4/17/2019	12:23:55	0.1	0.1	0.1	0.1
478	4/17/2019	12:24:25	0.1	0.1	0.1	0.1
479	4/17/2019	12:24:55	0.1	0.1	0.1	0.1
480	4/17/2019	12:25:25	0.1	0.1	0.1	0.1
481	4/17/2019	12:25:55	0.1	0.1	0.1	0.1
482	4/17/2019	12:26:25	0.1	0.1	0.1	0.1
483	4/17/2019	12:26:55	0.1	0.1	0.1	0.1
484	4/17/2019	12:27:25	0.1	0.1	0.1	0.1
485	4/17/2019	12:27:55	0.1	0.1	0.1	0.1
486	4/17/2019	12:28:25	0.1	0.1	0.1	0.1

487	4/17/2019	12:28:55	0.1	0.1	0.1	0.1
488	4/17/2019	12:29:25	0.1	0.1	0.1	0.1
489	4/17/2019	12:29:55	0.1	0.1	0.1	0.1
490	4/17/2019	12:30:25	0.1	0.1	0.1	0.1
491	4/17/2019	12:30:55	0.1	0.1	0.1	0.1
492	4/17/2019	12:31:25	0.1	0.1	0.1	0.1
493	4/17/2019	12:31:55	0.1	0.1	0.1	0.1
494	4/17/2019	12:32:25	0.1	0.1	0.1	0.1
495	4/17/2019	12:32:55	0.1	0.1	0.1	0.1
496	4/17/2019	12:33:25	0.1	0.1	0.1	0.1
497	4/17/2019	12:33:55	0.1	0.1	0.1	0.1
498	4/17/2019	12:34:25	0.1	0.1	0.1	0.1
499	4/17/2019	12:34:55	0.1	0.1	0.1	0.1
500	4/17/2019	12:35:25	0.1	0.1	0.1	0.1
501	4/17/2019	12:35:55	0.1	0.1	0.1	0.1
502	4/17/2019	12:36:25	0.1	0.1	0.1	0.1
503	4/17/2019	12:36:55	0.1	0.1	0.1	0.1
504	4/17/2019	12:37:25	0.1	0.1	0.1	0.1
505	4/17/2019	12:37:55	0.1	0.1	0.1	0.1
506	4/17/2019	12:38:25	0.1	0.1	0.1	0.1
507	4/17/2019	12:38:55	0.1	0.1	0.1	0.1
508	4/17/2019	12:39:25	0.1	0.1	0.1	0.1
509	4/17/2019	12:39:55	0.1	0.1	0.1	0.1
510	4/17/2019	12:40:25	0.1	0.1	0.1	0.1
511	4/17/2019	12:40:55	0.1	0.1	0.1	0.1
512	4/17/2019	12:41:25	0.1	0.1	0.1	0.1
513	4/17/2019	12:41:55	0.1	0.1	0.1	0.1
514	4/17/2019	12:42:25	0.1	0.1	0.1	0.1
515	4/17/2019	12:42:55	0.1	0.1	0.1	0.1
516	4/17/2019	12:43:25	0.1	0.1	0.1	0.1
517	4/17/2019	12:43:55	0.1	0.1	0.1	0.1
518	4/17/2019	12:44:25	0.1	0.1	0.1	0.1
519	4/17/2019	12:44:55	0.1	0.1	0.1	0.1
520	4/17/2019	12:45:25	0.1	0.1	0.1	0.1
521	4/17/2019	12:45:55	0.1	0.1	0.1	0.1
522	4/17/2019	12:46:25	0.1	0.1	0.1	0.1
523	4/17/2019	12:46:55	0.1	0.1	0.1	0.1
524	4/17/2019	12:47:25	0.1	0.1	0.1	0.1
525	4/17/2019	12:47:55	0.1	0.1	0.1	0.1
526	4/17/2019	12:48:25	0.1	0.1	0.1	0.1
527	4/17/2019	12:48:55	0.1	0.1	0.1	0.1
528	4/17/2019	12:49:25	0.1	0.1	0.1	0.1
529	4/17/2019	12:49:55	0.1	0.1	0.1	0.1
530	4/17/2019	12:50:25	0.1	0.1	0.1	0.1
531	4/17/2019	12:50:55	0.1	0.1	0.1	0.1
532	4/17/2019	12:51:25	0.1	0.1	0.1	0.1
533	4/17/2019	12:51:55	0.1	0.1	0.1	0.1
534	4/17/2019	12:52:25	0.1	0.1	0.1	0.1
535	4/17/2019	12:52:55	0.1	0.1	0.1	0.1
536	4/17/2019	12:53:25	0.1	0.1	0.1	0.1
537	4/17/2019	12:53:55	0.1	0.1	0.1	0.1
538	4/17/2019	12:54:25	0.1	0.1	0.1	0.1
539	4/17/2019	12:54:55	0.1	0.1	0.1	0.1
540	4/17/2019	12:55:25	0.1	0.1	0.1	0.1
541	4/17/2019	12:55:55	0.1	0.1	0.1	0.1
542	4/17/2019	12:56:25	0.1	0.1	0.1	0.1
543	4/17/2019	12:56:55	0.1	0.1	0.1	0.1

544	4/17/2019	12:57:25	0.1	0.1	0.1	0.1
545	4/17/2019	12:57:55	0.1	0.1	0.1	0.1
546	4/17/2019	12:58:25	0.1	0.1	0.1	0.1
547	4/17/2019	12:58:55	0.1	0.1	0.1	0.1
548	4/17/2019	12:59:25	0.1	0.1	0.1	0.1
549	4/17/2019	12:59:55	0.1	0.1	0.1	0.1
550	4/17/2019	13:00:25	0.1	0.1	0.1	0.1
551	4/17/2019	13:00:55	0.1	0.1	0.1	0.1
552	4/17/2019	13:01:25	0.1	0.1	0.1	0.1
553	4/17/2019	13:01:55	0.1	0.1	0.2	0.1
554	4/17/2019	13:02:25	0.1	0.1	0.1	0.1
555	4/17/2019	13:02:55	0.1	0.1	0.1	0.1
556	4/17/2019	13:03:25	0.1	0.1	0.1	0.1
557	4/17/2019	13:03:55	0.1	0.1	0.1	0.1
558	4/17/2019	13:04:25	0.1	0.1	0.1	0.1
559	4/17/2019	13:04:55	0.1	0.1	0.1	0.1
560	4/17/2019	13:05:25	0.1	0.1	0.2	0.1
561	4/17/2019	13:05:55	0.1	0.1	0.1	0.1
562	4/17/2019	13:06:25	0.1	0.1	0.1	0.1
563	4/17/2019	13:06:55	0.1	0.1	0.1	0.1
564	4/17/2019	13:07:25	0.1	0.1	0.1	0.1
565	4/17/2019	13:07:55	0.1	0.1	0.1	0.1
566	4/17/2019	13:08:25	0.1	0.1	0.1	0.1
567	4/17/2019	13:08:55	0.1	0.1	0.1	0.1
568	4/17/2019	13:09:25	0.1	0.1	0.1	0.1
569	4/17/2019	13:09:55	0.1	0.1	0.1	0.1
570	4/17/2019	13:10:25	0.1	0.1	0.1	0.1
571	4/17/2019	13:10:55	0.1	0.1	0.1	0.1
572	4/17/2019	13:11:25	0.1	0.1	0.2	0.1
573	4/17/2019	13:11:55	0.1	0.1	0.1	0.1
574	4/17/2019	13:12:25	0.1	0.1	0.1	0.1
575	4/17/2019	13:12:55	0.1	0.1	0.1	0.1
576	4/17/2019	13:13:25	0.1	0.1	0.1	0.1
577	4/17/2019	13:13:55	0.1	0.1	0.1	0.1
578	4/17/2019	13:14:25	0.1	0.1	0.1	0.1
579	4/17/2019	13:14:55	0.1	0.1	0.1	0.1
580	4/17/2019	13:15:25	0.1	0.1	0.1	0.1
581	4/17/2019	13:15:55	0.1	0.1	0.1	0.1
582	4/17/2019	13:16:25	0.1	0.1	0.2	0.1
583	4/17/2019	13:16:55	0.1	0.1	0.1	0.1
584	4/17/2019	13:17:25	0.1	0.2	0.2	0.1
585	4/17/2019	13:17:55	0.1	0.2	0.2	0.2
586	4/17/2019	13:18:25	0.2	0.2	0.2	0.2
587	4/17/2019	13:18:55	0.2	0.2	0.2	0.2
588	4/17/2019	13:19:25	0.1	0.2	0.2	0.1
589	4/17/2019	13:19:55	0.1	0.1	0.2	0.2
590	4/17/2019	13:20:25	0.1	0.2	0.2	0.2
591	4/17/2019	13:20:55	0.1	0.2	0.2	0.1
592	4/17/2019	13:21:25	0.1	0.1	0.2	0.2
593	4/17/2019	13:21:55	0.1	0.1	0.1	0.1
594	4/17/2019	13:22:25	0.1	0.1	0.1	0.1
595	4/17/2019	13:22:55	0.1	0.1	0.1	0.1
596	4/17/2019	13:23:25	0.1	0.1	0.1	0.1
597	4/17/2019	13:23:55	0.1	0.1	0.2	0.1
598	4/17/2019	13:24:25	0.1	0.1	0.1	0.1
599	4/17/2019	13:24:55	0.1	0.1	0.2	0.1
600	4/17/2019	13:25:25	0.1	0.1	0.1	0.1

601	4/17/2019	13:25:55	0.1	0.1	0.2	0.2
602	4/17/2019	13:26:25	0.1	0.1	0.2	0.1
603	4/17/2019	13:26:55	0.1	0.1	0.1	0.1
604	4/17/2019	13:27:25	0.1	0.1	0.1	0.1
605	4/17/2019	13:27:55	0.1	0.1	0.1	0.1
606	4/17/2019	13:28:25	0.1	0.1	0.1	0.1
607	4/17/2019	13:28:55	0.1	0.1	0.1	0.1
608	4/17/2019	13:29:25	0.1	0.1	0.1	0.1
609	4/17/2019	13:29:55	0.1	0.1	0.1	0.1
610	4/17/2019	13:30:25	0.1	0.1	0.1	0.1
611	4/17/2019	13:30:55	0.1	0.1	0.2	0.2
612	4/17/2019	13:31:25	0.1	0.1	0.2	0.1
613	4/17/2019	13:31:55	0.1	0.1	0.1	0.1
614	4/17/2019	13:32:25	0.1	0.1	0.1	0.1
615	4/17/2019	13:32:55	0.1	0.1	0.1	0.1
616	4/17/2019	13:33:25	0.1	0.1	0.1	0.1
617	4/17/2019	13:33:55	0.1	0.1	0.2	0.1
618	4/17/2019	13:34:25	0.1	0.1	0.1	0.1
619	4/17/2019	13:34:55	0.1	0.1	0.1	0.1
620	4/17/2019	13:35:25	0.1	0.1	0.2	0.1
621	4/17/2019	13:35:55	0.1	0.1	0.1	0.1
622	4/17/2019	13:36:25	0.1	0.1	0.1	0.1
623	4/17/2019	13:36:55	0.1	0.1	0.1	0.1
624	4/17/2019	13:37:25	0.1	0.1	0.1	0.1
625	4/17/2019	13:37:55	0.1	0.1	0.1	0.1
626	4/17/2019	13:38:25	0.1	0.1	0.1	0.1
627	4/17/2019	13:38:55	0.1	0.1	0.1	0.1
628	4/17/2019	13:39:25	0.1	0.1	0.1	0.1
629	4/17/2019	13:39:55	0.1	0.1	0.1	0.1
630	4/17/2019	13:40:25	0.1	0.1	0.1	0.1
631	4/17/2019	13:40:55	0.1	0.1	0.1	0.1
632	4/17/2019	13:41:25	0.1	0.1	0.1	0.1
633	4/17/2019	13:41:55	0.1	0.1	0.1	0.1
634	4/17/2019	13:42:25	0.1	0.1	0.1	0.1
635	4/17/2019	13:42:55	0.1	0.1	0.1	0.1
636	4/17/2019	13:43:25	0.1	0.1	0.1	0.1
637	4/17/2019	13:43:55	0.1	0.1	0.1	0.1
638	4/17/2019	13:44:25	0.1	0.1	0.1	0.1
639	4/17/2019	13:44:55	0.1	0.1	0.1	0.1
640	4/17/2019	13:45:25	0.1	0.1	0.1	0.1
641	4/17/2019	13:45:55	0.1	0.1	0.1	0.1
642	4/17/2019	13:46:25	0.1	0.1	0.1	0.1
643	4/17/2019	13:46:55	0.1	0.1	0.1	0.1
644	4/17/2019	13:47:25	0.1	0.1	0.1	0.1
645	4/17/2019	13:47:55	0.1	0.1	0.1	0.1
646	4/17/2019	13:48:25	0.1	0.1	0.1	0.1
647	4/17/2019	13:48:55	0.1	0.1	0.1	0.1
648	4/17/2019	13:49:25	0.1	0.1	0.1	0.1
649	4/17/2019	13:49:55	0.1	0.1	0.1	0.1
650	4/17/2019	13:50:25	0.1	0.1	0.1	0.1
651	4/17/2019	13:50:55	0.1	0.1	0.1	0.1
652	4/17/2019	13:51:25	0.1	0.1	0.1	0.1
653	4/17/2019	13:51:55	0.1	0.1	0.1	0.1
654	4/17/2019	13:52:25	0.1	0.1	0.1	0.1
655	4/17/2019	13:52:55	0.1	0.1	0.1	0.1
656	4/17/2019	13:53:25	0.1	0.1	0.1	0.1
657	4/17/2019	13:53:55	0.1	0.1	0.1	0.1

658	4/17/2019	13:54:25	0.1	0.1	0.1	0.1
659	4/17/2019	13:54:55	0.1	0.1	0.1	0.1
660	4/17/2019	13:55:25	0.1	0.1	0.1	0.1
661	4/17/2019	13:55:55	0.1	0.1	0.1	0.1
662	4/17/2019	13:56:25	0.1	0.1	0.1	0.1
663	4/17/2019	13:56:55	0.1	0.1	0.1	0.1
664	4/17/2019	13:57:25	0.1	0.1	0.1	0.1
665	4/17/2019	13:57:55	0.1	0.1	0.1	0.1
666	4/17/2019	13:58:25	0.1	0.1	0.1	0.1
667	4/17/2019	13:58:55	0.1	0.1	0.1	0.1
668	4/17/2019	13:59:25	0.1	0.1	0.1	0.1
669	4/17/2019	13:59:55	0.1	0.1	0.1	0.1
670	4/17/2019	14:00:25	0.1	0.1	0.1	0.1
671	4/17/2019	14:00:55	0.1	0.1	0.1	0.1
672	4/17/2019	14:01:25	0.1	0.1	0.1	0.1
673	4/17/2019	14:01:55	0.1	0.1	0.1	0.1
674	4/17/2019	14:02:25	0.1	0.1	0.1	0.1
675	4/17/2019	14:02:55	0.1	0.1	0.1	0.1
676	4/17/2019	14:03:25	0.1	0.1	0.1	0.1
677	4/17/2019	14:03:55	0.1	0.1	0.1	0.1
678	4/17/2019	14:04:25	0.1	0.1	0.1	0.1
679	4/17/2019	14:04:55	0.1	0.1	0.1	0.1
680	4/17/2019	14:05:25	0.1	0.1	0.1	0.1
681	4/17/2019	14:05:55	0.1	0.1	0.1	0.1
682	4/17/2019	14:06:25	0.1	0.1	0.1	0.1
683	4/17/2019	14:06:55	0.1	0.1	0.1	0.1
684	4/17/2019	14:07:25	0.1	0.1	0.1	0.1
685	4/17/2019	14:07:55	0.1	0.1	0.1	0.1
686	4/17/2019	14:08:25	0.1	0.1	0.1	0.1
687	4/17/2019	14:08:55	0.1	0.1	0.1	0.1
688	4/17/2019	14:09:25	0.1	0.1	0.1	0.1
689	4/17/2019	14:09:55	0.1	0.1	0.2	0.2
690	4/17/2019	14:10:25	0.1	0.1	0.2	0.1
691	4/17/2019	14:10:55	0.1	0.1	0.1	0.1
692	4/17/2019	14:11:25	0.1	0.1	0.1	0.1
693	4/17/2019	14:11:55	0.1	0.1	0.1	0.1
694	4/17/2019	14:12:25	0.1	0.1	0.1	0.1
695	4/17/2019	14:12:55	0.1	0.1	0.1	0.1
696	4/17/2019	14:13:25	0.1	0.1	0.1	0.1
Peak		0.3	0.5	0.7	0.5	
Min		0.0	0.0	0.0	0.0	
Average			0.1	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/17/2019 08:25:55	0.0	---
002	4/17/2019 08:26:25	0.0	---
003	4/17/2019 08:26:55	0.0	---
004	4/17/2019 08:27:25	0.0	---
005	4/17/2019 08:27:55	0.0	---
006	4/17/2019 08:28:25	0.0	---
007	4/17/2019 08:28:55	0.0	---
008	4/17/2019 08:29:25	0.0	---
009	4/17/2019 08:29:55	0.0	---
010	4/17/2019 08:30:25	0.0	---

011	4/17/2019 08:30:55	0.0	---
012	4/17/2019 08:31:25	0.0	---
013	4/17/2019 08:31:55	0.0	---
014	4/17/2019 08:32:25	0.0	---
015	4/17/2019 08:32:55	0.0	---
016	4/17/2019 08:33:25	0.0	---
017	4/17/2019 08:33:55	0.0	---
018	4/17/2019 08:34:25	0.0	---
019	4/17/2019 08:34:55	0.0	---
020	4/17/2019 08:35:25	0.0	---
021	4/17/2019 08:35:55	0.0	---
022	4/17/2019 08:36:25	0.0	---
023	4/17/2019 08:36:55	0.0	---
024	4/17/2019 08:37:25	0.0	---
025	4/17/2019 08:37:55	0.0	---
026	4/17/2019 08:38:25	0.0	---
027	4/17/2019 08:38:55	0.0	---
028	4/17/2019 08:39:25	0.0	---
029	4/17/2019 08:39:55	0.0	---
030	4/17/2019 08:40:25	0.0	0.0
031	4/17/2019 08:40:55	0.0	0.0
032	4/17/2019 08:41:25	0.0	0.0
033	4/17/2019 08:41:55	0.0	0.0
034	4/17/2019 08:42:25	0.0	0.0
035	4/17/2019 08:42:55	0.0	0.0
036	4/17/2019 08:43:25	0.0	0.0
037	4/17/2019 08:43:55	0.0	0.0
038	4/17/2019 08:44:25	0.0	0.0
039	4/17/2019 08:44:55	0.0	0.0
040	4/17/2019 08:45:25	0.0	0.0
041	4/17/2019 08:45:55	0.0	0.0
042	4/17/2019 08:46:25	0.0	0.0
043	4/17/2019 08:46:55	0.0	0.0
044	4/17/2019 08:47:25	0.0	0.0
045	4/17/2019 08:47:55	0.0	0.0
046	4/17/2019 08:48:25	0.0	0.0
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048	4/17/2019 08:49:25	0.0	0.0
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050	4/17/2019 08:50:25	0.0	0.0
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052	4/17/2019 08:51:25	0.0	0.0
053	4/17/2019 08:51:55	0.0	0.0
054	4/17/2019 08:52:25	0.0	0.0
055	4/17/2019 08:52:55	0.0	0.0
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072	4/17/2019 09:01:25	0.0	0.0
073	4/17/2019 09:01:55	0.0	0.0
074	4/17/2019 09:02:25	0.0	0.0
075	4/17/2019 09:02:55	0.0	0.0
076	4/17/2019 09:03:25	0.0	0.0
077	4/17/2019 09:03:55	0.0	0.0
078	4/17/2019 09:04:25	0.0	0.0
079	4/17/2019 09:04:55	0.0	0.0
080	4/17/2019 09:05:25	0.0	0.0
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086	4/17/2019 09:08:25	0.0	0.0
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109	4/17/2019 09:19:55	0.0	0.0
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113	4/17/2019 09:21:55	0.0	0.0
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193	4/17/2019 10:01:55	0.0	0.1
194	4/17/2019 10:02:25	0.0	0.1
195	4/17/2019 10:02:55	0.0	0.1
196	4/17/2019 10:03:25	0.0	0.1
197	4/17/2019 10:03:55	0.0	0.1
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199	4/17/2019 10:04:55	0.0	0.1
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203	4/17/2019 10:06:55	0.0	0.1
204	4/17/2019 10:07:25	0.0	0.1
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213	4/17/2019 10:11:55	0.0	0.1
214	4/17/2019 10:12:25	0.0	0.1
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233	4/17/2019 10:21:55	0.0	0.1
234	4/17/2019 10:22:25	0.0	0.1
235	4/17/2019 10:22:55	0.0	0.1
236	4/17/2019 10:23:25	0.0	0.1
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244	4/17/2019 10:27:25	0.0	0.2
245	4/17/2019 10:27:55	0.0	0.2
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249	4/17/2019 10:29:55	0.0	0.2
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252	4/17/2019 10:31:25	0.0	0.2
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260	4/17/2019 10:35:25	0.0	0.2
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272	4/17/2019 10:41:25	0.0	0.2
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274	4/17/2019 10:42:25	0.0	0.2
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276	4/17/2019 10:43:25	0.0	0.2
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282	4/17/2019 10:46:25	0.0	0.2
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284	4/17/2019 10:47:25	0.0	0.2
285	4/17/2019 10:47:55	0.0	0.2
286	4/17/2019 10:48:25	0.0	0.2
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288	4/17/2019 10:49:25	0.0	0.3
289	4/17/2019 10:49:55	0.0	0.3
290	4/17/2019 10:50:25	0.0	0.3
291	4/17/2019 10:50:55	0.0	0.3
292	4/17/2019 10:51:25	0.0	0.3
293	4/17/2019 10:51:55	0.0	0.3
294	4/17/2019 10:52:25	0.0	0.3
295	4/17/2019 10:52:55	0.0	0.3

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312	4/17/2019	11:01:25	0.0	0.2
313	4/17/2019	11:01:55	0.0	0.2
314	4/17/2019	11:02:25	0.0	0.2
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324	4/17/2019	11:07:25	0.0	0.2
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328	4/17/2019	11:09:25	0.0	0.2
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336	4/17/2019	11:13:25	0.0	0.2
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345	4/17/2019	11:17:55	0.0	0.3
346	4/17/2019	11:18:25	0.0	0.3
347	4/17/2019	11:18:55	0.0	0.3
348	4/17/2019	11:19:25	0.0	0.3
349	4/17/2019	11:19:55	0.0	0.3
350	4/17/2019	11:20:25	0.0	0.3
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352	4/17/2019	11:21:25	0.0	0.3

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354	4/17/2019 11:22:25	0.0	0.3
355	4/17/2019 11:22:55	0.0	0.3
356	4/17/2019 11:23:25	0.0	0.3
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358	4/17/2019 11:24:25	0.0	0.3
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360	4/17/2019 11:25:25	0.0	0.3
361	4/17/2019 11:25:55	0.0	0.3
362	4/17/2019 11:26:25	0.0	0.3
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364	4/17/2019 11:27:25	0.0	0.3
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366	4/17/2019 11:28:25	0.0	0.3
367	4/17/2019 11:28:55	0.0	0.3
368	4/17/2019 11:29:25	0.0	0.3
369	4/17/2019 11:29:55	0.0	0.2
370	4/17/2019 11:30:25	0.0	0.2
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373	4/17/2019 11:31:55	0.0	0.2
374	4/17/2019 11:32:25	0.0	0.2
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392	4/17/2019 11:41:25	0.0	0.2
393	4/17/2019 11:41:55	0.0	0.2
394	4/17/2019 11:42:25	0.0	0.2
395	4/17/2019 11:42:55	0.1	0.2
396	4/17/2019 11:43:25	0.1	0.2
397	4/17/2019 11:43:55	0.1	0.2
398	4/17/2019 11:44:25	0.1	0.1
399	4/17/2019 11:44:55	0.1	0.1
400	4/17/2019 11:45:25	0.1	0.1
401	4/17/2019 11:45:55	0.1	0.1
402	4/17/2019 11:46:25	0.1	0.1
403	4/17/2019 11:46:55	0.1	0.1
404	4/17/2019 11:47:25	0.1	0.1
405	4/17/2019 11:47:55	0.1	0.1
406	4/17/2019 11:48:25	0.1	0.1
407	4/17/2019 11:48:55	0.1	0.1
408	4/17/2019 11:49:25	0.1	0.1
409	4/17/2019 11:49:55	0.1	0.1

410	4/17/2019	11:50:25	0.1	0.1
411	4/17/2019	11:50:55	0.1	0.1
412	4/17/2019	11:51:25	0.1	0.1
413	4/17/2019	11:51:55	0.1	0.1
414	4/17/2019	11:52:25	0.1	0.1
415	4/17/2019	11:52:55	0.1	0.1
416	4/17/2019	11:53:25	0.1	0.1
417	4/17/2019	11:53:55	0.1	0.1
418	4/17/2019	11:54:25	0.1	0.1
419	4/17/2019	11:54:55	0.1	0.1
420	4/17/2019	11:55:25	0.1	0.1
421	4/17/2019	11:55:55	0.1	0.1
422	4/17/2019	11:56:25	0.1	0.1
423	4/17/2019	11:56:55	0.1	0.1
424	4/17/2019	11:57:25	0.1	0.1
425	4/17/2019	11:57:55	0.1	0.1
426	4/17/2019	11:58:25	0.1	0.1
427	4/17/2019	11:58:55	0.1	0.1
428	4/17/2019	11:59:25	0.1	0.2
429	4/17/2019	11:59:55	0.1	0.2
430	4/17/2019	12:00:25	0.1	0.2
431	4/17/2019	12:00:55	0.1	0.2
432	4/17/2019	12:01:25	0.1	0.2
433	4/17/2019	12:01:55	0.1	0.2
434	4/17/2019	12:02:25	0.1	0.2
435	4/17/2019	12:02:55	0.1	0.2
436	4/17/2019	12:03:25	0.1	0.2
437	4/17/2019	12:03:55	0.1	0.1
438	4/17/2019	12:04:25	0.1	0.2
439	4/17/2019	12:04:55	0.1	0.2
440	4/17/2019	12:05:25	0.1	0.1
441	4/17/2019	12:05:55	0.1	0.1
442	4/17/2019	12:06:25	0.1	0.1
443	4/17/2019	12:06:55	0.1	0.1
444	4/17/2019	12:07:25	0.1	0.1
445	4/17/2019	12:07:55	0.1	0.1
446	4/17/2019	12:08:25	0.1	0.1
447	4/17/2019	12:08:55	0.1	0.1
448	4/17/2019	12:09:25	0.1	0.1
449	4/17/2019	12:09:55	0.1	0.1
450	4/17/2019	12:10:25	0.1	0.1
451	4/17/2019	12:10:55	0.1	0.1
452	4/17/2019	12:11:25	0.1	0.1
453	4/17/2019	12:11:55	0.1	0.1
454	4/17/2019	12:12:25	0.1	0.1
455	4/17/2019	12:12:55	0.1	0.1
456	4/17/2019	12:13:25	0.1	0.1
457	4/17/2019	12:13:55	0.1	0.1
458	4/17/2019	12:14:25	0.1	0.1
459	4/17/2019	12:14:55	0.1	0.1
460	4/17/2019	12:15:25	0.1	0.1
461	4/17/2019	12:15:55	0.1	0.1
462	4/17/2019	12:16:25	0.1	0.1
463	4/17/2019	12:16:55	0.1	0.1
464	4/17/2019	12:17:25	0.1	0.1
465	4/17/2019	12:17:55	0.1	0.1
466	4/17/2019	12:18:25	0.1	0.1

467	4/17/2019 12:18:55	0.1	0.1
468	4/17/2019 12:19:25	0.1	0.2
469	4/17/2019 12:19:55	0.1	0.1
470	4/17/2019 12:20:25	0.1	0.1
471	4/17/2019 12:20:55	0.1	0.1
472	4/17/2019 12:21:25	0.1	0.1
473	4/17/2019 12:21:55	0.1	0.1
474	4/17/2019 12:22:25	0.1	0.1
475	4/17/2019 12:22:55	0.1	0.1
476	4/17/2019 12:23:25	0.1	0.1
477	4/17/2019 12:23:55	0.1	0.1
478	4/17/2019 12:24:25	0.1	0.1
479	4/17/2019 12:24:55	0.1	0.1
480	4/17/2019 12:25:25	0.1	0.1
481	4/17/2019 12:25:55	0.1	0.1
482	4/17/2019 12:26:25	0.1	0.1
483	4/17/2019 12:26:55	0.1	0.1
484	4/17/2019 12:27:25	0.1	0.1
485	4/17/2019 12:27:55	0.1	0.1
486	4/17/2019 12:28:25	0.1	0.1
487	4/17/2019 12:28:55	0.1	0.1
488	4/17/2019 12:29:25	0.1	0.1
489	4/17/2019 12:29:55	0.1	0.1
490	4/17/2019 12:30:25	0.1	0.1
491	4/17/2019 12:30:55	0.1	0.1
492	4/17/2019 12:31:25	0.1	0.1
493	4/17/2019 12:31:55	0.1	0.1
494	4/17/2019 12:32:25	0.1	0.1
495	4/17/2019 12:32:55	0.1	0.1
496	4/17/2019 12:33:25	0.1	0.1
497	4/17/2019 12:33:55	0.1	0.1
498	4/17/2019 12:34:25	0.1	0.1
499	4/17/2019 12:34:55	0.1	0.1
500	4/17/2019 12:35:25	0.1	0.1
501	4/17/2019 12:35:55	0.1	0.1
502	4/17/2019 12:36:25	0.1	0.1
503	4/17/2019 12:36:55	0.1	0.1
504	4/17/2019 12:37:25	0.1	0.1
505	4/17/2019 12:37:55	0.1	0.1
506	4/17/2019 12:38:25	0.1	0.1
507	4/17/2019 12:38:55	0.1	0.1
508	4/17/2019 12:39:25	0.1	0.1
509	4/17/2019 12:39:55	0.1	0.1
510	4/17/2019 12:40:25	0.1	0.1
511	4/17/2019 12:40:55	0.1	0.1
512	4/17/2019 12:41:25	0.1	0.1
513	4/17/2019 12:41:55	0.1	0.1
514	4/17/2019 12:42:25	0.1	0.1
515	4/17/2019 12:42:55	0.1	0.1
516	4/17/2019 12:43:25	0.1	0.1
517	4/17/2019 12:43:55	0.1	0.1
518	4/17/2019 12:44:25	0.1	0.1
519	4/17/2019 12:44:55	0.1	0.1
520	4/17/2019 12:45:25	0.1	0.1
521	4/17/2019 12:45:55	0.1	0.1
522	4/17/2019 12:46:25	0.1	0.1
523	4/17/2019 12:46:55	0.1	0.1

524	4/17/2019 12:47:25	0.1	0.1
525	4/17/2019 12:47:55	0.1	0.1
526	4/17/2019 12:48:25	0.1	0.1
527	4/17/2019 12:48:55	0.1	0.1
528	4/17/2019 12:49:25	0.1	0.1
529	4/17/2019 12:49:55	0.1	0.1
530	4/17/2019 12:50:25	0.1	0.1
531	4/17/2019 12:50:55	0.1	0.1
532	4/17/2019 12:51:25	0.1	0.1
533	4/17/2019 12:51:55	0.1	0.1
534	4/17/2019 12:52:25	0.1	0.1
535	4/17/2019 12:52:55	0.1	0.1
536	4/17/2019 12:53:25	0.1	0.1
537	4/17/2019 12:53:55	0.1	0.1
538	4/17/2019 12:54:25	0.1	0.1
539	4/17/2019 12:54:55	0.1	0.1
540	4/17/2019 12:55:25	0.1	0.1
541	4/17/2019 12:55:55	0.1	0.1
542	4/17/2019 12:56:25	0.1	0.1
543	4/17/2019 12:56:55	0.1	0.1
544	4/17/2019 12:57:25	0.1	0.1
545	4/17/2019 12:57:55	0.1	0.1
546	4/17/2019 12:58:25	0.1	0.1
547	4/17/2019 12:58:55	0.1	0.1
548	4/17/2019 12:59:25	0.1	0.1
549	4/17/2019 12:59:55	0.1	0.1
550	4/17/2019 13:00:25	0.1	0.1
551	4/17/2019 13:00:55	0.1	0.1
552	4/17/2019 13:01:25	0.1	0.1
553	4/17/2019 13:01:55	0.1	0.1
554	4/17/2019 13:02:25	0.1	0.1
555	4/17/2019 13:02:55	0.1	0.1
556	4/17/2019 13:03:25	0.1	0.1
557	4/17/2019 13:03:55	0.1	0.1
558	4/17/2019 13:04:25	0.1	0.1
559	4/17/2019 13:04:55	0.1	0.1
560	4/17/2019 13:05:25	0.1	0.1
561	4/17/2019 13:05:55	0.1	0.1
562	4/17/2019 13:06:25	0.1	0.1
563	4/17/2019 13:06:55	0.1	0.1
564	4/17/2019 13:07:25	0.1	0.1
565	4/17/2019 13:07:55	0.1	0.1
566	4/17/2019 13:08:25	0.1	0.1
567	4/17/2019 13:08:55	0.1	0.1
568	4/17/2019 13:09:25	0.1	0.1
569	4/17/2019 13:09:55	0.1	0.1
570	4/17/2019 13:10:25	0.1	0.1
571	4/17/2019 13:10:55	0.1	0.1
572	4/17/2019 13:11:25	0.1	0.1
573	4/17/2019 13:11:55	0.1	0.1
574	4/17/2019 13:12:25	0.1	0.1
575	4/17/2019 13:12:55	0.1	0.1
576	4/17/2019 13:13:25	0.1	0.1
577	4/17/2019 13:13:55	0.1	0.1
578	4/17/2019 13:14:25	0.1	0.1
579	4/17/2019 13:14:55	0.1	0.1
580	4/17/2019 13:15:25	0.1	0.1

581	4/17/2019 13:15:55	0.1	0.1
582	4/17/2019 13:16:25	0.1	0.1
583	4/17/2019 13:16:55	0.1	0.1
584	4/17/2019 13:17:25	0.1	0.1
585	4/17/2019 13:17:55	0.1	0.1
586	4/17/2019 13:18:25	0.1	0.1
587	4/17/2019 13:18:55	0.1	0.1
588	4/17/2019 13:19:25	0.1	0.1
589	4/17/2019 13:19:55	0.1	0.1
590	4/17/2019 13:20:25	0.1	0.1
591	4/17/2019 13:20:55	0.1	0.1
592	4/17/2019 13:21:25	0.1	0.1
593	4/17/2019 13:21:55	0.1	0.1
594	4/17/2019 13:22:25	0.1	0.1
595	4/17/2019 13:22:55	0.1	0.1
596	4/17/2019 13:23:25	0.1	0.1
597	4/17/2019 13:23:55	0.1	0.1
598	4/17/2019 13:24:25	0.1	0.1
599	4/17/2019 13:24:55	0.1	0.1
600	4/17/2019 13:25:25	0.1	0.1
601	4/17/2019 13:25:55	0.1	0.1
602	4/17/2019 13:26:25	0.1	0.1
603	4/17/2019 13:26:55	0.1	0.1
604	4/17/2019 13:27:25	0.1	0.1
605	4/17/2019 13:27:55	0.1	0.1
606	4/17/2019 13:28:25	0.1	0.1
607	4/17/2019 13:28:55	0.1	0.1
608	4/17/2019 13:29:25	0.1	0.1
609	4/17/2019 13:29:55	0.1	0.1
610	4/17/2019 13:30:25	0.1	0.1
611	4/17/2019 13:30:55	0.1	0.1
612	4/17/2019 13:31:25	0.1	0.1
613	4/17/2019 13:31:55	0.1	0.1
614	4/17/2019 13:32:25	0.1	0.1
615	4/17/2019 13:32:55	0.1	0.1
616	4/17/2019 13:33:25	0.1	0.1
617	4/17/2019 13:33:55	0.1	0.1
618	4/17/2019 13:34:25	0.1	0.1
619	4/17/2019 13:34:55	0.1	0.1
620	4/17/2019 13:35:25	0.1	0.1
621	4/17/2019 13:35:55	0.1	0.1
622	4/17/2019 13:36:25	0.1	0.1
623	4/17/2019 13:36:55	0.1	0.1
624	4/17/2019 13:37:25	0.1	0.1
625	4/17/2019 13:37:55	0.1	0.1
626	4/17/2019 13:38:25	0.1	0.1
627	4/17/2019 13:38:55	0.1	0.1
628	4/17/2019 13:39:25	0.1	0.1
629	4/17/2019 13:39:55	0.1	0.1
630	4/17/2019 13:40:25	0.1	0.1
631	4/17/2019 13:40:55	0.1	0.1
632	4/17/2019 13:41:25	0.1	0.1
633	4/17/2019 13:41:55	0.1	0.1
634	4/17/2019 13:42:25	0.1	0.1
635	4/17/2019 13:42:55	0.1	0.1
636	4/17/2019 13:43:25	0.1	0.1
637	4/17/2019 13:43:55	0.1	0.1

638	4/17/2019 13:44:25	0.1	0.1
639	4/17/2019 13:44:55	0.1	0.1
640	4/17/2019 13:45:25	0.1	0.1
641	4/17/2019 13:45:55	0.1	0.1
642	4/17/2019 13:46:25	0.1	0.1
643	4/17/2019 13:46:55	0.1	0.1
644	4/17/2019 13:47:25	0.1	0.1
645	4/17/2019 13:47:55	0.1	0.1
646	4/17/2019 13:48:25	0.1	0.1
647	4/17/2019 13:48:55	0.1	0.1
648	4/17/2019 13:49:25	0.1	0.1
649	4/17/2019 13:49:55	0.1	0.1
650	4/17/2019 13:50:25	0.1	0.1
651	4/17/2019 13:50:55	0.1	0.1
652	4/17/2019 13:51:25	0.1	0.1
653	4/17/2019 13:51:55	0.1	0.1
654	4/17/2019 13:52:25	0.1	0.1
655	4/17/2019 13:52:55	0.1	0.1
656	4/17/2019 13:53:25	0.1	0.1
657	4/17/2019 13:53:55	0.1	0.1
658	4/17/2019 13:54:25	0.1	0.1
659	4/17/2019 13:54:55	0.1	0.1
660	4/17/2019 13:55:25	0.1	0.1
661	4/17/2019 13:55:55	0.1	0.1
662	4/17/2019 13:56:25	0.1	0.1
663	4/17/2019 13:56:55	0.1	0.1
664	4/17/2019 13:57:25	0.1	0.1
665	4/17/2019 13:57:55	0.1	0.1
666	4/17/2019 13:58:25	0.1	0.1
667	4/17/2019 13:58:55	0.1	0.1
668	4/17/2019 13:59:25	0.1	0.1
669	4/17/2019 13:59:55	0.1	0.1
670	4/17/2019 14:00:25	0.1	0.1
671	4/17/2019 14:00:55	0.1	0.1
672	4/17/2019 14:01:25	0.1	0.1
673	4/17/2019 14:01:55	0.1	0.1
674	4/17/2019 14:02:25	0.1	0.1
675	4/17/2019 14:02:55	0.1	0.1
676	4/17/2019 14:03:25	0.1	0.1
677	4/17/2019 14:03:55	0.1	0.1
678	4/17/2019 14:04:25	0.1	0.1
679	4/17/2019 14:04:55	0.1	0.1
680	4/17/2019 14:05:25	0.1	0.1
681	4/17/2019 14:05:55	0.1	0.1
682	4/17/2019 14:06:25	0.1	0.1
683	4/17/2019 14:06:55	0.1	0.1
684	4/17/2019 14:07:25	0.1	0.1
685	4/17/2019 14:07:55	0.1	0.1
686	4/17/2019 14:08:25	0.1	0.1
687	4/17/2019 14:08:55	0.1	0.1
688	4/17/2019 14:09:25	0.1	0.1
689	4/17/2019 14:09:55	0.1	0.1
690	4/17/2019 14:10:25	0.1	0.1
691	4/17/2019 14:10:55	0.1	0.1
692	4/17/2019 14:11:25	0.1	0.1
693	4/17/2019 14:11:55	0.1	0.1
694	4/17/2019 14:12:25	0.1	0.1

695 4/17/2019 14:12:55 0.1 0.1
696 4/17/2019 14:13:25 0.1 0.1
==========
19/04/18 07:35
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/18/2019 07:35:10
End 4/18/2019 07:35:16
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/17/2019 08:21

****
Datalog

0 record.

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19/04/18 08:06
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037

User ID 00000001

Begin 4/18/2019 08:06:07
End 4/18/2019 14:30:31
Sample Period(s) 30
Number of Records 768

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/17/2019 08:21
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	4/18/2019 08:06:37	0.0	0.0	0.0	0.0
002	4/18/2019 08:07:07	0.0	0.0	0.0	0.0
003	4/18/2019 08:07:37	0.0	0.0	0.0	0.0
004	4/18/2019 08:08:07	0.0	0.0	0.0	0.0
005	4/18/2019 08:08:37	0.0	0.0	0.0	0.0
006	4/18/2019 08:09:07	0.0	0.0	0.0	0.0
007	4/18/2019 08:09:37	0.0	0.0	0.0	0.0
008	4/18/2019 08:10:07	0.0	0.0	0.0	0.0
009	4/18/2019 08:10:37	0.0	0.0	0.0	0.0
010	4/18/2019 08:11:07	0.0	0.0	0.0	0.0
011	4/18/2019 08:11:37	0.0	0.0	0.0	0.0
012	4/18/2019 08:12:07	0.0	0.0	0.0	0.0
013	4/18/2019 08:12:37	0.0	0.0	0.0	0.0
014	4/18/2019 08:13:07	0.0	0.0	0.0	0.0
015	4/18/2019 08:13:37	0.0	0.0	0.0	0.0
016	4/18/2019 08:14:07	0.0	0.0	0.0	0.0
017	4/18/2019 08:14:37	0.0	0.0	0.0	0.0
018	4/18/2019 08:15:07	0.0	0.0	0.0	0.0
019	4/18/2019 08:15:37	0.0	0.0	0.0	0.0
020	4/18/2019 08:16:07	0.0	0.0	0.0	0.0
021	4/18/2019 08:16:37	0.0	0.0	0.0	0.0
022	4/18/2019 08:17:07	0.0	0.0	0.0	0.0
023	4/18/2019 08:17:37	0.0	0.0	0.0	0.0
024	4/18/2019 08:18:07	0.0	0.0	0.0	0.0
025	4/18/2019 08:18:37	0.0	0.0	0.0	0.0
026	4/18/2019 08:19:07	0.0	0.0	0.0	0.0
027	4/18/2019 08:19:37	0.0	0.0	0.0	0.0
028	4/18/2019 08:20:07	0.0	0.0	0.0	0.0
029	4/18/2019 08:20:37	0.0	0.0	0.0	0.0
030	4/18/2019 08:21:07	0.0	0.0	0.0	0.0

031	4/18/2019 08:21:37	0.0	0.0	0.0	0.0
032	4/18/2019 08:22:07	0.0	0.0	0.0	0.0
033	4/18/2019 08:22:37	0.0	0.0	0.0	0.0
034	4/18/2019 08:23:07	0.0	0.0	0.0	0.0
035	4/18/2019 08:23:37	0.0	0.0	0.0	0.0
036	4/18/2019 08:24:07	0.0	0.0	0.0	0.0
037	4/18/2019 08:24:37	0.0	0.0	0.0	0.0
038	4/18/2019 08:25:07	0.0	0.0	0.0	0.0
039	4/18/2019 08:25:37	0.0	0.0	0.0	0.0
040	4/18/2019 08:26:07	0.0	0.0	0.0	0.0
041	4/18/2019 08:26:37	0.0	0.0	0.0	0.0
042	4/18/2019 08:27:07	0.0	0.0	0.0	0.0
043	4/18/2019 08:27:37	0.0	0.0	0.0	0.0
044	4/18/2019 08:28:07	0.0	0.0	0.0	0.0
045	4/18/2019 08:28:37	0.0	0.0	0.0	0.0
046	4/18/2019 08:29:07	0.0	0.0	0.0	0.0
047	4/18/2019 08:29:37	0.0	0.0	0.0	0.0
048	4/18/2019 08:30:07	0.0	0.0	0.0	0.0
049	4/18/2019 08:30:37	0.0	0.0	0.0	0.0
050	4/18/2019 08:31:07	0.0	0.0	0.0	0.0
051	4/18/2019 08:31:37	0.0	0.0	0.0	0.0
052	4/18/2019 08:32:07	0.0	0.0	0.0	0.0
053	4/18/2019 08:32:37	0.0	0.0	0.0	0.0
054	4/18/2019 08:33:07	0.0	0.0	0.0	0.0
055	4/18/2019 08:33:37	0.0	0.0	0.0	0.0
056	4/18/2019 08:34:07	0.0	0.0	0.0	0.0
057	4/18/2019 08:34:37	0.0	0.0	0.0	0.0
058	4/18/2019 08:35:07	0.0	0.0	0.0	0.0
059	4/18/2019 08:35:37	0.0	0.0	0.0	0.0
060	4/18/2019 08:36:07	0.0	0.0	0.0	0.0
061	4/18/2019 08:36:37	0.0	0.0	0.0	0.0
062	4/18/2019 08:37:07	0.0	0.0	0.0	0.0
063	4/18/2019 08:37:37	0.0	0.0	0.0	0.0
064	4/18/2019 08:38:07	0.0	0.0	0.0	0.0
065	4/18/2019 08:38:37	0.0	0.0	0.0	0.0
066	4/18/2019 08:39:07	0.0	0.0	0.0	0.0
067	4/18/2019 08:39:37	0.0	0.0	0.0	0.0
068	4/18/2019 08:40:07	0.0	0.0	0.0	0.0
069	4/18/2019 08:40:37	0.0	0.0	0.0	0.0
070	4/18/2019 08:41:07	0.0	0.0	0.0	0.0
071	4/18/2019 08:41:37	0.0	0.0	0.0	0.0
072	4/18/2019 08:42:07	0.0	0.0	0.0	0.0
073	4/18/2019 08:42:37	0.0	0.0	0.0	0.0
074	4/18/2019 08:43:07	0.0	0.0	0.0	0.0
075	4/18/2019 08:43:37	0.0	0.0	0.0	0.0
076	4/18/2019 08:44:07	0.0	0.0	0.0	0.0
077	4/18/2019 08:44:37	0.0	0.0	0.0	0.0
078	4/18/2019 08:45:07	0.0	0.0	0.0	0.0
079	4/18/2019 08:45:37	0.0	0.0	0.0	0.0
080	4/18/2019 08:46:07	0.0	0.0	0.0	0.0
081	4/18/2019 08:46:37	0.0	0.0	0.0	0.0
082	4/18/2019 08:47:07	0.0	0.0	0.0	0.0
083	4/18/2019 08:47:37	0.0	0.0	0.0	0.0
084	4/18/2019 08:48:07	0.0	0.0	0.0	0.0
085	4/18/2019 08:48:37	0.0	0.0	0.0	0.0
086	4/18/2019 08:49:07	0.0	0.0	0.0	0.0
087	4/18/2019 08:49:37	0.0	0.0	0.0	0.0

088	4/18/2019 08:50:07	0.0	0.0	0.0	0.0
089	4/18/2019 08:50:37	0.0	0.0	0.0	0.0
090	4/18/2019 08:51:07	0.0	0.0	0.0	0.0
091	4/18/2019 08:51:37	0.0	0.0	0.0	0.0
092	4/18/2019 08:52:07	0.0	0.0	0.0	0.0
093	4/18/2019 08:52:37	0.0	0.0	0.0	0.0
094	4/18/2019 08:53:07	0.0	0.0	0.0	0.0
095	4/18/2019 08:53:37	0.0	0.0	0.0	0.0
096	4/18/2019 08:54:07	0.0	0.0	0.0	0.0
097	4/18/2019 08:54:37	0.0	0.0	0.0	0.0
098	4/18/2019 08:55:07	0.0	0.0	0.0	0.0
099	4/18/2019 08:55:37	0.0	0.0	0.0	0.0
100	4/18/2019 08:56:07	0.0	0.0	0.0	0.0
101	4/18/2019 08:56:37	0.0	0.0	0.0	0.0
102	4/18/2019 08:57:07	0.0	0.0	0.0	0.0
103	4/18/2019 08:57:37	0.0	0.0	0.0	0.0
104	4/18/2019 08:58:07	0.0	0.0	0.0	0.0
105	4/18/2019 08:58:37	0.0	0.0	0.0	0.0
106	4/18/2019 08:59:07	0.0	0.0	0.0	0.0
107	4/18/2019 08:59:37	0.0	0.0	0.0	0.0
108	4/18/2019 09:00:07	0.0	0.0	0.0	0.0
109	4/18/2019 09:00:37	0.0	0.0	0.0	0.0
110	4/18/2019 09:01:07	0.0	0.0	0.0	0.0
111	4/18/2019 09:01:37	0.0	0.0	0.0	0.0
112	4/18/2019 09:02:07	0.0	0.0	0.0	0.0
113	4/18/2019 09:02:37	0.0	0.0	0.0	0.0
114	4/18/2019 09:03:07	0.0	0.0	0.0	0.0
115	4/18/2019 09:03:37	0.0	0.0	0.0	0.0
116	4/18/2019 09:04:07	0.0	0.0	0.0	0.0
117	4/18/2019 09:04:37	0.0	0.0	0.0	0.0
118	4/18/2019 09:05:07	0.0	0.0	0.0	0.0
119	4/18/2019 09:05:37	0.0	0.0	0.0	0.0
120	4/18/2019 09:06:07	0.0	0.0	0.0	0.0
121	4/18/2019 09:06:37	0.0	0.0	0.0	0.0
122	4/18/2019 09:07:07	0.0	0.0	0.0	0.0
123	4/18/2019 09:07:37	0.0	0.0	0.0	0.0
124	4/18/2019 09:08:07	0.0	0.0	0.0	0.0
125	4/18/2019 09:08:37	0.0	0.0	0.0	0.0
126	4/18/2019 09:09:07	0.0	0.0	0.0	0.0
127	4/18/2019 09:09:37	0.0	0.0	0.0	0.0
128	4/18/2019 09:10:07	0.0	0.0	0.0	0.0
129	4/18/2019 09:10:37	0.0	0.0	0.0	0.0
130	4/18/2019 09:11:07	0.0	0.0	0.0	0.0
131	4/18/2019 09:11:37	0.0	0.0	0.0	0.0
132	4/18/2019 09:12:07	0.0	0.0	0.0	0.0
133	4/18/2019 09:12:37	0.0	0.0	0.0	0.0
134	4/18/2019 09:13:07	0.0	0.0	0.0	0.0
135	4/18/2019 09:13:37	0.0	0.0	0.0	0.0
136	4/18/2019 09:14:07	0.0	0.0	0.0	0.0
137	4/18/2019 09:14:37	0.0	0.0	0.0	0.0
138	4/18/2019 09:15:07	0.0	0.0	0.0	0.0
139	4/18/2019 09:15:37	0.0	0.0	0.0	0.0
140	4/18/2019 09:16:07	0.0	0.0	0.0	0.0
141	4/18/2019 09:16:37	0.0	0.0	0.0	0.0
142	4/18/2019 09:17:07	0.0	0.0	0.0	0.0
143	4/18/2019 09:17:37	0.0	0.0	0.0	0.0
144	4/18/2019 09:18:07	0.0	0.0	0.0	0.0

145	4/18/2019 09:18:37	0.0	0.0	0.0	0.0
146	4/18/2019 09:19:07	0.0	0.0	0.0	0.0
147	4/18/2019 09:19:37	0.0	0.0	0.0	0.0
148	4/18/2019 09:20:07	0.0	0.0	0.0	0.0
149	4/18/2019 09:20:37	0.0	0.0	0.0	0.0
150	4/18/2019 09:21:07	0.0	0.0	0.0	0.0
151	4/18/2019 09:21:37	0.0	0.0	0.0	0.0
152	4/18/2019 09:22:07	0.0	0.0	0.0	0.0
153	4/18/2019 09:22:37	0.0	0.0	0.0	0.0
154	4/18/2019 09:23:07	0.0	0.0	0.0	0.0
155	4/18/2019 09:23:37	0.0	0.0	0.0	0.0
156	4/18/2019 09:24:07	0.0	0.0	0.0	0.0
157	4/18/2019 09:24:37	0.0	0.0	0.0	0.0
158	4/18/2019 09:25:07	0.0	0.0	0.0	0.0
159	4/18/2019 09:25:37	0.0	0.0	0.0	0.0
160	4/18/2019 09:26:07	0.0	0.0	0.0	0.0
161	4/18/2019 09:26:37	0.0	0.0	0.0	0.0
162	4/18/2019 09:27:07	0.0	0.0	0.0	0.0
163	4/18/2019 09:27:37	0.0	0.0	0.0	0.0
164	4/18/2019 09:28:07	0.0	0.0	0.0	0.0
165	4/18/2019 09:28:37	0.0	0.0	0.0	0.0
166	4/18/2019 09:29:07	0.0	0.0	0.0	0.0
167	4/18/2019 09:29:37	0.0	0.0	0.0	0.0
168	4/18/2019 09:30:07	0.0	0.0	0.0	0.0
169	4/18/2019 09:30:37	0.0	0.0	0.0	0.0
170	4/18/2019 09:31:07	0.0	0.0	0.0	0.0
171	4/18/2019 09:31:37	0.0	0.0	0.0	0.0
172	4/18/2019 09:32:07	0.0	0.0	0.0	0.0
173	4/18/2019 09:32:37	0.0	0.0	0.0	0.0
174	4/18/2019 09:33:07	0.0	0.0	0.0	0.0
175	4/18/2019 09:33:37	0.0	0.0	0.0	0.0
176	4/18/2019 09:34:07	0.0	0.0	0.0	0.0
177	4/18/2019 09:34:37	0.0	0.0	0.0	0.0
178	4/18/2019 09:35:07	0.0	0.0	0.0	0.0
179	4/18/2019 09:35:37	0.0	0.0	0.0	0.0
180	4/18/2019 09:36:07	0.0	0.0	0.0	0.0
181	4/18/2019 09:36:37	0.0	0.0	0.0	0.0
182	4/18/2019 09:37:07	0.0	0.0	0.0	0.0
183	4/18/2019 09:37:37	0.0	0.0	0.0	0.0
184	4/18/2019 09:38:07	0.0	0.0	0.0	0.0
185	4/18/2019 09:38:37	0.0	0.0	0.0	0.0
186	4/18/2019 09:39:07	0.0	0.0	0.0	0.0
187	4/18/2019 09:39:37	0.0	0.0	0.0	0.0
188	4/18/2019 09:40:07	0.0	0.0	0.0	0.0
189	4/18/2019 09:40:37	0.0	0.0	0.0	0.0
190	4/18/2019 09:41:07	0.0	0.0	0.0	0.0
191	4/18/2019 09:41:37	0.0	0.0	0.0	0.0
192	4/18/2019 09:42:07	0.0	0.0	0.0	0.0
193	4/18/2019 09:42:37	0.0	0.0	0.0	0.0
194	4/18/2019 09:43:07	0.0	0.0	0.0	0.0
195	4/18/2019 09:43:37	0.0	0.0	0.0	0.0
196	4/18/2019 09:44:07	0.0	0.0	0.0	0.0
197	4/18/2019 09:44:37	0.0	0.0	0.0	0.0
198	4/18/2019 09:45:07	0.0	0.0	0.0	0.0
199	4/18/2019 09:45:37	0.0	0.0	0.0	0.0
200	4/18/2019 09:46:07	0.0	0.0	0.0	0.0
201	4/18/2019 09:46:37	0.0	0.0	0.0	0.0

202	4/18/2019 09:47:07	0.0	0.0	0.0	0.0
203	4/18/2019 09:47:37	0.0	0.0	0.0	0.0
204	4/18/2019 09:48:07	0.0	0.0	0.0	0.0
205	4/18/2019 09:48:37	0.0	0.0	0.0	0.0
206	4/18/2019 09:49:07	0.0	0.0	0.0	0.0
207	4/18/2019 09:49:37	0.0	0.0	0.0	0.0
208	4/18/2019 09:50:07	0.0	0.0	0.0	0.0
209	4/18/2019 09:50:37	0.0	0.0	0.0	0.0
210	4/18/2019 09:51:07	0.0	0.0	0.0	0.0
211	4/18/2019 09:51:37	0.0	0.0	0.0	0.0
212	4/18/2019 09:52:07	0.0	0.0	0.0	0.0
213	4/18/2019 09:52:37	0.0	0.0	0.0	0.0
214	4/18/2019 09:53:07	0.0	0.0	0.0	0.0
215	4/18/2019 09:53:37	0.0	0.0	0.0	0.0
216	4/18/2019 09:54:07	0.0	0.0	0.0	0.0
217	4/18/2019 09:54:37	0.0	0.0	0.0	0.0
218	4/18/2019 09:55:07	0.0	0.0	0.0	0.0
219	4/18/2019 09:55:37	0.0	0.0	0.0	0.0
220	4/18/2019 09:56:07	0.0	0.0	0.0	0.0
221	4/18/2019 09:56:37	0.0	0.0	0.0	0.0
222	4/18/2019 09:57:07	0.0	0.0	0.0	0.0
223	4/18/2019 09:57:37	0.0	0.0	0.0	0.0
224	4/18/2019 09:58:07	0.0	0.0	0.0	0.0
225	4/18/2019 09:58:37	0.0	0.0	0.0	0.0
226	4/18/2019 09:59:07	0.0	0.0	0.0	0.0
227	4/18/2019 09:59:37	0.0	0.0	0.0	0.0
228	4/18/2019 10:00:07	0.0	0.0	0.0	0.0
229	4/18/2019 10:00:37	0.0	0.0	0.0	0.0
230	4/18/2019 10:01:07	0.0	0.0	0.0	0.0
231	4/18/2019 10:01:37	0.0	0.0	0.0	0.0
232	4/18/2019 10:02:07	0.0	0.0	0.0	0.0
233	4/18/2019 10:02:37	0.0	0.0	0.0	0.0
234	4/18/2019 10:03:07	0.0	0.0	0.0	0.0
235	4/18/2019 10:03:37	0.0	0.0	0.0	0.0
236	4/18/2019 10:04:07	0.0	0.0	0.0	0.0
237	4/18/2019 10:04:37	0.0	0.0	0.0	0.0
238	4/18/2019 10:05:07	0.0	0.0	0.0	0.0
239	4/18/2019 10:05:37	0.0	0.0	0.0	0.0
240	4/18/2019 10:06:07	0.0	0.0	0.0	0.0
241	4/18/2019 10:06:37	0.0	0.0	0.0	0.0
242	4/18/2019 10:07:07	0.0	0.0	0.0	0.0
243	4/18/2019 10:07:37	0.0	0.0	0.0	0.0
244	4/18/2019 10:08:07	0.0	0.0	0.0	0.0
245	4/18/2019 10:08:37	0.0	0.0	0.0	0.0
246	4/18/2019 10:09:07	0.0	0.0	0.0	0.0
247	4/18/2019 10:09:37	0.0	0.0	0.0	0.0
248	4/18/2019 10:10:07	0.0	0.0	0.0	0.0
249	4/18/2019 10:10:37	0.0	0.0	0.0	0.0
250	4/18/2019 10:11:07	0.0	0.0	0.0	0.0
251	4/18/2019 10:11:37	0.0	0.0	0.0	0.0
252	4/18/2019 10:12:07	0.0	0.0	0.0	0.0
253	4/18/2019 10:12:37	0.0	0.0	0.0	0.0
254	4/18/2019 10:13:07	0.0	0.0	0.0	0.0
255	4/18/2019 10:13:37	0.0	0.0	0.0	0.0
256	4/18/2019 10:14:07	0.0	0.0	0.0	0.0
257	4/18/2019 10:14:37	0.0	0.0	0.0	0.0
258	4/18/2019 10:15:07	0.0	0.0	0.0	0.0

259	4/18/2019	10:15:37	0.0	0.0	0.0	0.0
260	4/18/2019	10:16:07	0.0	0.0	0.0	0.0
261	4/18/2019	10:16:37	0.0	0.0	0.0	0.0
262	4/18/2019	10:17:07	0.0	0.0	0.0	0.0
263	4/18/2019	10:17:37	0.0	0.0	0.0	0.0
264	4/18/2019	10:18:07	0.0	0.0	0.0	0.0
265	4/18/2019	10:18:37	0.0	0.0	0.0	0.0
266	4/18/2019	10:19:07	0.0	0.0	0.0	0.0
267	4/18/2019	10:19:37	0.0	0.0	0.0	0.0
268	4/18/2019	10:20:07	0.0	0.0	0.0	0.0
269	4/18/2019	10:20:37	0.0	0.0	0.0	0.0
270	4/18/2019	10:21:07	0.0	0.0	0.0	0.0
271	4/18/2019	10:21:37	0.0	0.0	0.0	0.0
272	4/18/2019	10:22:07	0.0	0.0	0.0	0.0
273	4/18/2019	10:22:37	0.0	0.0	0.0	0.0
274	4/18/2019	10:23:07	0.0	0.0	0.0	0.0
275	4/18/2019	10:23:37	0.0	0.0	0.0	0.0
276	4/18/2019	10:24:07	0.0	0.0	0.0	0.0
277	4/18/2019	10:24:37	0.0	0.0	0.0	0.0
278	4/18/2019	10:25:07	0.0	0.0	0.0	0.0
279	4/18/2019	10:25:37	0.0	0.0	0.0	0.0
280	4/18/2019	10:26:07	0.0	0.0	0.0	0.0
281	4/18/2019	10:26:37	0.0	0.0	0.0	0.0
282	4/18/2019	10:27:07	0.0	0.0	0.0	0.0
283	4/18/2019	10:27:37	0.0	0.0	0.0	0.0
284	4/18/2019	10:28:07	0.0	0.0	0.0	0.0
285	4/18/2019	10:28:37	0.0	0.0	0.0	0.0
286	4/18/2019	10:29:07	0.0	0.0	0.0	0.0
287	4/18/2019	10:29:37	0.0	0.0	0.0	0.0
288	4/18/2019	10:30:07	0.0	0.0	0.0	0.0
289	4/18/2019	10:30:37	0.0	0.0	0.0	0.0
290	4/18/2019	10:31:07	0.0	0.0	0.0	0.0
291	4/18/2019	10:31:37	0.0	0.0	0.0	0.0
292	4/18/2019	10:32:07	0.0	0.0	0.0	0.0
293	4/18/2019	10:32:37	0.0	0.0	0.0	0.0
294	4/18/2019	10:33:07	0.0	0.0	0.0	0.0
295	4/18/2019	10:33:37	0.0	0.0	0.0	0.0
296	4/18/2019	10:34:07	0.0	0.0	0.0	0.0
297	4/18/2019	10:34:37	0.0	0.0	0.0	0.0
298	4/18/2019	10:35:07	0.0	0.0	0.0	0.0
299	4/18/2019	10:35:37	0.0	0.0	0.0	0.0
300	4/18/2019	10:36:07	0.0	0.0	0.0	0.0
301	4/18/2019	10:36:37	0.0	0.0	0.0	0.0
302	4/18/2019	10:37:07	0.0	0.0	0.0	0.0
303	4/18/2019	10:37:37	0.0	0.0	0.0	0.0
304	4/18/2019	10:38:07	0.0	0.0	0.0	0.0
305	4/18/2019	10:38:37	0.0	0.0	0.0	0.0
306	4/18/2019	10:39:07	0.0	0.0	0.0	0.0
307	4/18/2019	10:39:37	0.0	0.0	0.0	0.0
308	4/18/2019	10:40:07	0.0	0.0	0.0	0.0
309	4/18/2019	10:40:37	0.0	0.0	0.0	0.0
310	4/18/2019	10:41:07	0.0	0.0	0.0	0.0
311	4/18/2019	10:41:37	0.0	0.0	0.0	0.0
312	4/18/2019	10:42:07	0.0	0.0	0.0	0.0
313	4/18/2019	10:42:37	0.0	0.0	0.0	0.0
314	4/18/2019	10:43:07	0.0	0.0	0.0	0.0
315	4/18/2019	10:43:37	0.0	0.0	0.0	0.0

316	4/18/2019	10:44:07	0.0	0.0	0.0	0.0
317	4/18/2019	10:44:37	0.0	0.0	0.0	0.0
318	4/18/2019	10:45:07	0.0	0.0	0.0	0.0
319	4/18/2019	10:45:37	0.0	0.0	0.0	0.0
320	4/18/2019	10:46:07	0.0	0.0	0.0	0.0
321	4/18/2019	10:46:37	0.0	0.0	0.0	0.0
322	4/18/2019	10:47:07	0.0	0.0	0.0	0.0
323	4/18/2019	10:47:37	0.0	0.0	0.0	0.0
324	4/18/2019	10:48:07	0.0	0.0	0.1	0.0
325	4/18/2019	10:48:37	0.0	0.0	0.0	0.0
326	4/18/2019	10:49:07	0.0	0.0	0.0	0.0
327	4/18/2019	10:49:37	0.0	0.0	0.0	0.0
328	4/18/2019	10:50:07	0.0	0.0	0.0	0.0
329	4/18/2019	10:50:37	0.0	0.0	0.0	0.0
330	4/18/2019	10:51:07	0.0	0.0	0.0	0.0
331	4/18/2019	10:51:37	0.0	0.1	0.5	0.0
332	4/18/2019	10:52:07	0.0	0.0	0.0	0.0
333	4/18/2019	10:52:37	0.0	0.0	0.0	0.0
334	4/18/2019	10:53:07	0.0	0.0	0.0	0.0
335	4/18/2019	10:53:37	0.0	0.0	0.0	0.0
336	4/18/2019	10:54:07	0.0	0.0	0.2	0.2
337	4/18/2019	10:54:37	0.0	0.0	0.0	0.0
338	4/18/2019	10:55:07	0.0	0.0	0.0	0.0
339	4/18/2019	10:55:37	0.0	0.0	0.0	0.0
340	4/18/2019	10:56:07	0.0	0.0	0.0	0.0
341	4/18/2019	10:56:37	0.0	0.0	0.0	0.0
342	4/18/2019	10:57:07	0.0	0.0	0.0	0.0
343	4/18/2019	10:57:37	0.0	0.0	0.0	0.0
344	4/18/2019	10:58:07	0.0	0.0	0.0	0.0
345	4/18/2019	10:58:37	0.0	0.0	0.0	0.0
346	4/18/2019	10:59:07	0.0	0.0	0.0	0.0
347	4/18/2019	10:59:37	0.0	0.0	0.0	0.0
348	4/18/2019	11:00:07	0.0	0.0	0.0	0.0
349	4/18/2019	11:00:37	0.0	0.0	0.0	0.0
350	4/18/2019	11:01:07	0.0	0.0	0.0	0.0
351	4/18/2019	11:01:37	0.0	0.0	0.0	0.0
352	4/18/2019	11:02:07	0.0	0.0	0.0	0.0
353	4/18/2019	11:02:37	0.0	0.0	0.0	0.0
354	4/18/2019	11:03:07	0.0	0.0	0.0	0.0
355	4/18/2019	11:03:37	0.0	0.0	0.0	0.0
356	4/18/2019	11:04:07	0.0	0.0	0.0	0.0
357	4/18/2019	11:04:37	0.0	0.0	0.0	0.0
358	4/18/2019	11:05:07	0.0	0.0	0.0	0.0
359	4/18/2019	11:05:37	0.0	0.0	0.0	0.0
360	4/18/2019	11:06:07	0.0	0.0	0.0	0.0
361	4/18/2019	11:06:37	0.0	0.0	0.0	0.0
362	4/18/2019	11:07:07	0.0	0.0	0.0	0.0
363	4/18/2019	11:07:37	0.0	0.0	0.0	0.0
364	4/18/2019	11:08:07	0.0	0.0	0.0	0.0
365	4/18/2019	11:08:37	0.0	0.0	0.0	0.0
366	4/18/2019	11:09:07	0.0	0.0	0.0	0.0
367	4/18/2019	11:09:37	0.0	0.0	0.0	0.0
368	4/18/2019	11:10:07	0.0	0.0	0.0	0.0
369	4/18/2019	11:10:37	0.0	0.0	0.0	0.0
370	4/18/2019	11:11:07	0.0	0.0	0.0	0.0
371	4/18/2019	11:11:37	0.0	0.0	0.0	0.0
372	4/18/2019	11:12:07	0.0	0.0	0.0	0.0

373	4/18/2019 11:12:37	0.0	0.0	0.0	0.0
374	4/18/2019 11:13:07	0.0	0.0	0.0	0.0
375	4/18/2019 11:13:37	0.0	0.0	0.0	0.0
376	4/18/2019 11:14:07	0.0	0.0	0.0	0.0
377	4/18/2019 11:14:37	0.0	0.0	0.0	0.0
378	4/18/2019 11:15:07	0.0	0.0	0.0	0.0
379	4/18/2019 11:15:37	0.0	0.0	0.0	0.0
380	4/18/2019 11:16:07	0.0	0.0	0.0	0.0
381	4/18/2019 11:16:37	0.0	0.0	0.0	0.0
382	4/18/2019 11:17:07	0.0	0.0	0.0	0.0
383	4/18/2019 11:17:37	0.0	0.0	0.0	0.0
384	4/18/2019 11:18:07	0.0	0.0	0.0	0.0
385	4/18/2019 11:18:37	0.0	0.0	0.0	0.0
386	4/18/2019 11:19:07	0.0	0.0	0.0	0.0
387	4/18/2019 11:19:37	0.0	0.0	0.0	0.0
388	4/18/2019 11:20:07	0.0	0.0	0.0	0.0
389	4/18/2019 11:20:37	0.0	0.0	0.0	0.0
390	4/18/2019 11:21:07	0.0	0.0	0.0	0.0
391	4/18/2019 11:21:37	0.0	0.0	0.0	0.0
392	4/18/2019 11:22:07	0.0	0.0	0.0	0.0
393	4/18/2019 11:22:37	0.0	0.0	0.3	0.2
394	4/18/2019 11:23:07	0.0	0.1	0.4	0.0
395	4/18/2019 11:23:37	0.0	0.0	0.1	0.0
396	4/18/2019 11:24:07	0.0	0.0	0.0	0.0
397	4/18/2019 11:24:37	0.0	0.0	0.0	0.0
398	4/18/2019 11:25:07	0.0	0.0	0.0	0.0
399	4/18/2019 11:25:37	0.0	0.0	0.1	0.0
400	4/18/2019 11:26:07	0.0	0.0	0.0	0.0
401	4/18/2019 11:26:37	0.0	0.0	0.4	0.4
402	4/18/2019 11:27:07	0.0	0.1	0.4	0.0
403	4/18/2019 11:27:37	0.0	0.0	0.0	0.0
404	4/18/2019 11:28:07	0.0	0.0	0.0	0.0
405	4/18/2019 11:28:37	0.0	0.0	0.0	0.0
406	4/18/2019 11:29:07	0.0	0.0	0.0	0.0
407	4/18/2019 11:29:37	0.0	0.0	0.0	0.0
408	4/18/2019 11:30:07	0.0	0.0	0.0	0.0
409	4/18/2019 11:30:37	0.0	0.0	0.0	0.0
410	4/18/2019 11:31:07	0.0	0.0	0.0	0.0
411	4/18/2019 11:31:37	0.0	0.0	0.0	0.0
412	4/18/2019 11:32:07	0.0	0.0	0.0	0.0
413	4/18/2019 11:32:37	0.0	0.0	0.0	0.0
414	4/18/2019 11:33:07	0.0	0.0	0.0	0.0
415	4/18/2019 11:33:37	0.0	0.0	0.0	0.0
416	4/18/2019 11:34:07	0.0	0.0	0.0	0.0
417	4/18/2019 11:34:37	0.0	0.0	0.0	0.0
418	4/18/2019 11:35:07	0.0	0.0	0.0	0.0
419	4/18/2019 11:35:37	0.0	0.0	0.0	0.0
420	4/18/2019 11:36:07	0.0	0.0	0.0	0.0
421	4/18/2019 11:36:37	0.0	0.0	0.0	0.0
422	4/18/2019 11:37:07	0.0	0.0	0.0	0.0
423	4/18/2019 11:37:37	0.0	0.0	0.0	0.0
424	4/18/2019 11:38:07	0.0	0.0	0.0	0.0
425	4/18/2019 11:38:37	0.0	0.0	0.0	0.0
426	4/18/2019 11:39:07	0.0	0.0	0.0	0.0
427	4/18/2019 11:39:37	0.0	0.0	0.0	0.0
428	4/18/2019 11:40:07	0.0	0.0	0.0	0.0
429	4/18/2019 11:40:37	0.0	0.0	0.0	0.0

430	4/18/2019 11:41:07	0.0	0.0	0.0	0.0
431	4/18/2019 11:41:37	0.0	0.0	0.0	0.0
432	4/18/2019 11:42:07	0.0	0.0	0.0	0.0
433	4/18/2019 11:42:37	0.0	0.0	0.0	0.0
434	4/18/2019 11:43:07	0.0	0.0	0.0	0.0
435	4/18/2019 11:43:37	0.0	0.0	0.0	0.0
436	4/18/2019 11:44:07	0.0	0.0	0.0	0.0
437	4/18/2019 11:44:37	0.0	0.0	0.0	0.0
438	4/18/2019 11:45:07	0.0	0.0	0.0	0.0
439	4/18/2019 11:45:37	0.0	0.0	0.0	0.0
440	4/18/2019 11:46:07	0.0	0.0	0.0	0.0
441	4/18/2019 11:46:37	0.0	0.0	0.0	0.0
442	4/18/2019 11:47:07	0.0	0.0	0.0	0.0
443	4/18/2019 11:47:37	0.0	0.0	0.0	0.0
444	4/18/2019 11:48:07	0.0	0.0	0.0	0.0
445	4/18/2019 11:48:37	0.0	0.0	0.0	0.0
446	4/18/2019 11:49:07	0.0	0.0	0.0	0.0
447	4/18/2019 11:49:37	0.0	0.0	0.0	0.0
448	4/18/2019 11:50:07	0.0	0.0	0.0	0.0
449	4/18/2019 11:50:37	0.0	0.0	0.0	0.0
450	4/18/2019 11:51:07	0.0	0.0	0.0	0.0
451	4/18/2019 11:51:37	0.0	0.0	0.0	0.0
452	4/18/2019 11:52:07	0.0	0.0	0.0	0.0
453	4/18/2019 11:52:37	0.0	0.0	0.0	0.0
454	4/18/2019 11:53:07	0.0	0.0	0.0	0.0
455	4/18/2019 11:53:37	0.0	0.0	0.0	0.0
456	4/18/2019 11:54:07	0.0	0.0	0.0	0.0
457	4/18/2019 11:54:37	0.0	0.0	0.0	0.0
458	4/18/2019 11:55:07	0.0	0.0	0.0	0.0
459	4/18/2019 11:55:37	0.0	0.0	0.0	0.0
460	4/18/2019 11:56:07	0.0	0.0	0.0	0.0
461	4/18/2019 11:56:37	0.0	0.0	0.0	0.0
462	4/18/2019 11:57:07	0.0	0.0	0.0	0.0
463	4/18/2019 11:57:37	0.0	0.0	0.0	0.0
464	4/18/2019 11:58:07	0.0	0.0	0.0	0.0
465	4/18/2019 11:58:37	0.0	0.0	0.0	0.0
466	4/18/2019 11:59:07	0.0	0.0	0.0	0.0
467	4/18/2019 11:59:37	0.0	0.0	0.0	0.0
468	4/18/2019 12:00:07	0.0	0.0	0.0	0.0
469	4/18/2019 12:00:37	0.0	0.0	0.0	0.0
470	4/18/2019 12:01:07	0.0	0.0	0.0	0.0
471	4/18/2019 12:01:37	0.0	0.0	0.0	0.0
472	4/18/2019 12:02:07	0.0	0.0	0.0	0.0
473	4/18/2019 12:02:37	0.0	0.0	0.0	0.0
474	4/18/2019 12:03:07	0.0	0.0	0.0	0.0
475	4/18/2019 12:03:37	0.0	0.0	0.0	0.0
476	4/18/2019 12:04:07	0.0	0.0	0.0	0.0
477	4/18/2019 12:04:37	0.0	0.0	0.0	0.0
478	4/18/2019 12:05:07	0.0	0.0	0.0	0.0
479	4/18/2019 12:05:37	0.0	0.0	0.0	0.0
480	4/18/2019 12:06:07	0.0	0.0	0.0	0.0
481	4/18/2019 12:06:37	0.0	0.0	0.0	0.0
482	4/18/2019 12:07:07	0.0	0.0	0.0	0.0
483	4/18/2019 12:07:37	0.0	0.0	0.0	0.0
484	4/18/2019 12:08:07	0.0	0.0	0.0	0.0
485	4/18/2019 12:08:37	0.0	0.0	0.0	0.0
486	4/18/2019 12:09:07	0.0	0.0	0.0	0.0

487	4/18/2019 12:09:37	0.0	0.0	0.0	0.0
488	4/18/2019 12:10:07	0.0	0.0	0.0	0.0
489	4/18/2019 12:10:37	0.0	0.0	0.0	0.0
490	4/18/2019 12:11:07	0.0	0.0	0.0	0.0
491	4/18/2019 12:11:37	0.0	0.0	0.0	0.0
492	4/18/2019 12:12:07	0.0	0.0	0.0	0.0
493	4/18/2019 12:12:37	0.0	0.0	0.0	0.0
494	4/18/2019 12:13:07	0.0	0.0	0.0	0.0
495	4/18/2019 12:13:37	0.0	0.0	0.0	0.0
496	4/18/2019 12:14:07	0.0	0.0	0.0	0.0
497	4/18/2019 12:14:37	0.0	0.0	0.0	0.0
498	4/18/2019 12:15:07	0.0	0.0	0.0	0.0
499	4/18/2019 12:15:37	0.0	0.0	0.0	0.0
500	4/18/2019 12:16:07	0.0	0.0	0.0	0.0
501	4/18/2019 12:16:37	0.0	0.0	0.0	0.0
502	4/18/2019 12:17:07	0.0	0.0	0.0	0.0
503	4/18/2019 12:17:37	0.0	0.0	0.0	0.0
504	4/18/2019 12:18:07	0.0	0.0	0.0	0.0
505	4/18/2019 12:18:37	0.0	0.0	0.0	0.0
506	4/18/2019 12:19:07	0.0	0.0	0.0	0.0
507	4/18/2019 12:19:37	0.0	0.0	0.0	0.0
508	4/18/2019 12:20:07	0.0	0.0	0.0	0.0
509	4/18/2019 12:20:37	0.0	0.0	0.0	0.0
510	4/18/2019 12:21:07	0.0	0.0	0.0	0.0
511	4/18/2019 12:21:37	0.0	0.0	0.0	0.0
512	4/18/2019 12:22:07	0.0	0.0	0.0	0.0
513	4/18/2019 12:22:37	0.0	0.0	0.0	0.0
514	4/18/2019 12:23:07	0.0	0.0	0.0	0.0
515	4/18/2019 12:23:37	0.0	0.0	0.0	0.0
516	4/18/2019 12:24:07	0.0	0.0	0.0	0.0
517	4/18/2019 12:24:37	0.0	0.0	0.0	0.0
518	4/18/2019 12:25:07	0.0	0.0	0.0	0.0
519	4/18/2019 12:25:37	0.0	0.0	0.0	0.0
520	4/18/2019 12:26:07	0.0	0.0	0.0	0.0
521	4/18/2019 12:26:37	0.0	0.0	0.0	0.0
522	4/18/2019 12:27:07	0.0	0.0	0.0	0.0
523	4/18/2019 12:27:37	0.0	0.0	0.0	0.0
524	4/18/2019 12:28:07	0.0	0.0	0.0	0.0
525	4/18/2019 12:28:37	0.0	0.0	0.0	0.0
526	4/18/2019 12:29:07	0.0	0.0	0.0	0.0
527	4/18/2019 12:29:37	0.0	0.0	0.0	0.0
528	4/18/2019 12:30:07	0.0	0.0	0.0	0.0
529	4/18/2019 12:30:37	0.0	0.0	0.0	0.0
530	4/18/2019 12:31:07	0.0	0.0	0.0	0.0
531	4/18/2019 12:31:37	0.0	0.0	0.0	0.0
532	4/18/2019 12:32:07	0.0	0.0	0.0	0.0
533	4/18/2019 12:32:37	0.0	0.0	0.0	0.0
534	4/18/2019 12:33:07	0.0	0.0	0.0	0.0
535	4/18/2019 12:33:37	0.0	0.0	0.0	0.0
536	4/18/2019 12:34:07	0.0	0.0	0.0	0.0
537	4/18/2019 12:34:37	0.0	0.0	0.0	0.0
538	4/18/2019 12:35:07	0.0	0.0	0.0	0.0
539	4/18/2019 12:35:37	0.0	0.0	0.0	0.0
540	4/18/2019 12:36:07	0.0	0.0	0.0	0.0
541	4/18/2019 12:36:37	0.0	0.0	0.0	0.0
542	4/18/2019 12:37:07	0.0	0.0	0.0	0.0
543	4/18/2019 12:37:37	0.0	0.0	0.0	0.0

544	4/18/2019 12:38:07	0.0	0.0	0.0	0.0
545	4/18/2019 12:38:37	0.0	0.0	0.0	0.0
546	4/18/2019 12:39:07	0.0	0.0	0.0	0.0
547	4/18/2019 12:39:37	0.0	0.0	0.0	0.0
548	4/18/2019 12:40:07	0.0	0.0	0.0	0.0
549	4/18/2019 12:40:37	0.0	0.0	0.0	0.0
550	4/18/2019 12:41:07	0.0	0.0	0.0	0.0
551	4/18/2019 12:41:37	0.0	0.0	0.0	0.0
552	4/18/2019 12:42:07	0.0	0.0	0.0	0.0
553	4/18/2019 12:42:37	0.0	0.0	0.0	0.0
554	4/18/2019 12:43:07	0.0	0.0	0.0	0.0
555	4/18/2019 12:43:37	0.0	0.0	0.0	0.0
556	4/18/2019 12:44:07	0.0	0.0	0.0	0.0
557	4/18/2019 12:44:37	0.0	0.0	0.0	0.0
558	4/18/2019 12:45:07	0.0	0.0	0.0	0.0
559	4/18/2019 12:45:37	0.0	0.0	0.0	0.0
560	4/18/2019 12:46:07	0.0	0.0	0.0	0.0
561	4/18/2019 12:46:37	0.0	0.0	0.0	0.0
562	4/18/2019 12:47:07	0.0	0.0	0.0	0.0
563	4/18/2019 12:47:37	0.0	0.0	0.0	0.0
564	4/18/2019 12:48:07	0.0	0.0	0.0	0.0
565	4/18/2019 12:48:37	0.0	0.0	0.0	0.0
566	4/18/2019 12:49:07	0.0	0.0	0.0	0.0
567	4/18/2019 12:49:37	0.0	0.0	0.0	0.0
568	4/18/2019 12:50:07	0.0	0.0	0.0	0.0
569	4/18/2019 12:50:37	0.0	0.0	0.0	0.0
570	4/18/2019 12:51:07	0.0	0.0	0.0	0.0
571	4/18/2019 12:51:37	0.0	0.0	0.0	0.0
572	4/18/2019 12:52:07	0.0	0.0	0.0	0.0
573	4/18/2019 12:52:37	0.0	0.0	0.0	0.0
574	4/18/2019 12:53:07	0.0	0.0	0.0	0.0
575	4/18/2019 12:53:37	0.0	0.0	0.0	0.0
576	4/18/2019 12:54:07	0.0	0.0	0.0	0.0
577	4/18/2019 12:54:37	0.0	0.0	0.0	0.0
578	4/18/2019 12:55:07	0.0	0.0	0.0	0.0
579	4/18/2019 12:55:37	0.0	0.0	0.0	0.0
580	4/18/2019 12:56:07	0.0	0.0	0.0	0.0
581	4/18/2019 12:56:37	0.0	0.0	0.0	0.0
582	4/18/2019 12:57:07	0.0	0.0	0.0	0.0
583	4/18/2019 12:57:37	0.0	0.0	0.0	0.0
584	4/18/2019 12:58:07	0.0	0.0	0.0	0.0
585	4/18/2019 12:58:37	0.0	0.0	0.0	0.0
586	4/18/2019 12:59:07	0.0	0.0	0.0	0.0
587	4/18/2019 12:59:37	0.0	0.0	0.0	0.0
588	4/18/2019 13:00:07	0.0	0.0	0.0	0.0
589	4/18/2019 13:00:37	0.0	0.0	0.0	0.0
590	4/18/2019 13:01:07	0.0	0.0	0.0	0.0
591	4/18/2019 13:01:37	0.0	0.0	0.0	0.0
592	4/18/2019 13:02:07	0.0	0.0	0.0	0.0
593	4/18/2019 13:02:37	0.0	0.0	0.0	0.0
594	4/18/2019 13:03:07	0.0	0.0	0.0	0.0
595	4/18/2019 13:03:37	0.0	0.0	0.0	0.0
596	4/18/2019 13:04:07	0.0	0.0	0.0	0.0
597	4/18/2019 13:04:37	0.0	0.0	0.0	0.0
598	4/18/2019 13:05:07	0.0	0.0	0.0	0.0
599	4/18/2019 13:05:37	0.0	0.0	0.0	0.0
600	4/18/2019 13:06:07	0.0	0.0	0.0	0.0

601	4/18/2019 13:06:37	0.0	0.0	0.0	0.0
602	4/18/2019 13:07:07	0.0	0.0	0.0	0.0
603	4/18/2019 13:07:37	0.0	0.0	0.0	0.0
604	4/18/2019 13:08:07	0.0	0.0	0.0	0.0
605	4/18/2019 13:08:37	0.0	0.0	0.0	0.0
606	4/18/2019 13:09:07	0.0	0.0	0.0	0.0
607	4/18/2019 13:09:37	0.0	0.0	0.0	0.0
608	4/18/2019 13:10:07	0.0	0.0	0.0	0.0
609	4/18/2019 13:10:37	0.0	0.0	0.0	0.0
610	4/18/2019 13:11:07	0.0	0.0	0.0	0.0
611	4/18/2019 13:11:37	0.0	0.0	0.0	0.0
612	4/18/2019 13:12:07	0.0	0.0	0.0	0.0
613	4/18/2019 13:12:37	0.0	0.0	0.0	0.0
614	4/18/2019 13:13:07	0.0	0.0	0.0	0.0
615	4/18/2019 13:13:37	0.0	0.0	0.0	0.0
616	4/18/2019 13:14:07	0.0	0.0	0.0	0.0
617	4/18/2019 13:14:37	0.0	0.0	0.0	0.0
618	4/18/2019 13:15:07	0.0	0.0	0.0	0.0
619	4/18/2019 13:15:37	0.0	0.0	0.0	0.0
620	4/18/2019 13:16:07	0.0	0.0	0.0	0.0
621	4/18/2019 13:16:37	0.0	0.0	0.0	0.0
622	4/18/2019 13:17:07	0.0	0.0	0.0	0.0
623	4/18/2019 13:17:37	0.0	0.0	0.0	0.0
624	4/18/2019 13:18:07	0.0	0.0	0.0	0.0
625	4/18/2019 13:18:37	0.0	0.0	0.0	0.0
626	4/18/2019 13:19:07	0.0	0.0	0.0	0.0
627	4/18/2019 13:19:37	0.0	0.0	0.0	0.0
628	4/18/2019 13:20:07	0.0	0.0	0.0	0.0
629	4/18/2019 13:20:37	0.0	0.0	0.0	0.0
630	4/18/2019 13:21:07	0.0	0.0	0.0	0.0
631	4/18/2019 13:21:37	0.0	0.0	0.0	0.0
632	4/18/2019 13:22:07	0.0	0.0	0.0	0.0
633	4/18/2019 13:22:37	0.0	0.0	0.0	0.0
634	4/18/2019 13:23:07	0.0	0.0	0.0	0.0
635	4/18/2019 13:23:37	0.0	0.0	0.0	0.0
636	4/18/2019 13:24:07	0.0	0.0	0.0	0.0
637	4/18/2019 13:24:37	0.0	0.0	0.0	0.0
638	4/18/2019 13:25:07	0.0	0.0	0.0	0.0
639	4/18/2019 13:25:37	0.0	0.0	0.0	0.0
640	4/18/2019 13:26:07	0.0	0.0	0.0	0.0
641	4/18/2019 13:26:37	0.0	0.0	0.0	0.0
642	4/18/2019 13:27:07	0.0	0.0	0.0	0.0
643	4/18/2019 13:27:37	0.0	0.0	0.0	0.0
644	4/18/2019 13:28:07	0.0	0.0	0.0	0.0
645	4/18/2019 13:28:37	0.0	0.0	0.0	0.0
646	4/18/2019 13:29:07	0.0	0.0	0.0	0.0
647	4/18/2019 13:29:37	0.0	0.0	0.0	0.0
648	4/18/2019 13:30:07	0.0	0.0	0.0	0.0
649	4/18/2019 13:30:37	0.0	0.0	0.0	0.0
650	4/18/2019 13:31:07	0.0	0.0	0.0	0.0
651	4/18/2019 13:31:37	0.0	0.0	0.0	0.0
652	4/18/2019 13:32:07	0.0	0.0	0.0	0.0
653	4/18/2019 13:32:37	0.0	0.0	0.0	0.0
654	4/18/2019 13:33:07	0.0	0.0	0.0	0.0
655	4/18/2019 13:33:37	0.0	0.0	0.0	0.0
656	4/18/2019 13:34:07	0.0	0.0	0.0	0.0
657	4/18/2019 13:34:37	0.0	0.0	0.0	0.0

658	4/18/2019 13:35:07	0.0	0.0	0.0	0.0
659	4/18/2019 13:35:37	0.0	0.0	0.0	0.0
660	4/18/2019 13:36:07	0.0	0.0	0.0	0.0
661	4/18/2019 13:36:37	0.0	0.0	0.0	0.0
662	4/18/2019 13:37:07	0.0	0.0	0.0	0.0
663	4/18/2019 13:37:37	0.0	0.0	0.0	0.0
664	4/18/2019 13:38:07	0.0	0.0	0.0	0.0
665	4/18/2019 13:38:37	0.0	0.0	0.0	0.0
666	4/18/2019 13:39:07	0.0	0.0	0.0	0.0
667	4/18/2019 13:39:37	0.0	0.0	0.0	0.0
668	4/18/2019 13:40:07	0.0	0.0	0.0	0.0
669	4/18/2019 13:40:37	0.0	0.0	0.0	0.0
670	4/18/2019 13:41:07	0.0	0.0	0.0	0.0
671	4/18/2019 13:41:37	0.0	0.0	0.0	0.0
672	4/18/2019 13:42:07	0.0	0.0	0.0	0.0
673	4/18/2019 13:42:37	0.0	0.0	0.0	0.0
674	4/18/2019 13:43:07	0.0	0.0	0.0	0.0
675	4/18/2019 13:43:37	0.0	0.0	0.0	0.0
676	4/18/2019 13:44:07	0.0	0.0	0.0	0.0
677	4/18/2019 13:44:37	0.0	0.0	0.0	0.0
678	4/18/2019 13:45:07	0.0	0.0	0.0	0.0
679	4/18/2019 13:45:37	0.0	0.0	0.0	0.0
680	4/18/2019 13:46:07	0.0	0.0	0.0	0.0
681	4/18/2019 13:46:37	0.0	0.0	0.0	0.0
682	4/18/2019 13:47:07	0.0	0.0	0.0	0.0
683	4/18/2019 13:47:37	0.0	0.0	0.0	0.0
684	4/18/2019 13:48:07	0.0	0.0	0.0	0.0
685	4/18/2019 13:48:37	0.0	0.0	0.0	0.0
686	4/18/2019 13:49:07	0.0	0.0	0.0	0.0
687	4/18/2019 13:49:37	0.0	0.0	0.0	0.0
688	4/18/2019 13:50:07	0.0	0.0	0.0	0.0
689	4/18/2019 13:50:37	0.0	0.0	0.0	0.0
690	4/18/2019 13:51:07	0.0	0.0	0.0	0.0
691	4/18/2019 13:51:37	0.0	0.0	0.0	0.0
692	4/18/2019 13:52:07	0.0	0.0	0.0	0.0
693	4/18/2019 13:52:37	0.0	0.0	0.0	0.0
694	4/18/2019 13:53:07	0.0	0.0	0.0	0.0
695	4/18/2019 13:53:37	0.0	0.0	0.0	0.0
696	4/18/2019 13:54:07	0.0	0.0	0.0	0.0
697	4/18/2019 13:54:37	0.0	0.0	0.0	0.0
698	4/18/2019 13:55:07	0.0	0.0	0.0	0.0
699	4/18/2019 13:55:37	0.0	0.0	0.0	0.0
700	4/18/2019 13:56:07	0.0	0.0	0.0	0.0
701	4/18/2019 13:56:37	0.0	0.0	0.0	0.0
702	4/18/2019 13:57:07	0.0	0.0	0.0	0.0
703	4/18/2019 13:57:37	0.0	0.0	0.0	0.0
704	4/18/2019 13:58:07	0.0	0.0	0.0	0.0
705	4/18/2019 13:58:37	0.0	0.0	0.0	0.0
706	4/18/2019 13:59:07	0.0	0.0	0.0	0.0
707	4/18/2019 13:59:37	0.0	0.0	0.0	0.0
708	4/18/2019 14:00:07	0.0	0.0	0.0	0.0
709	4/18/2019 14:00:37	0.0	0.0	0.0	0.0
710	4/18/2019 14:01:07	0.0	0.0	0.0	0.0
711	4/18/2019 14:01:37	0.0	0.0	0.0	0.0
712	4/18/2019 14:02:07	0.0	0.0	0.0	0.0
713	4/18/2019 14:02:37	0.0	0.0	0.0	0.0
714	4/18/2019 14:03:07	0.0	0.0	0.0	0.0

715	4/18/2019	14:03:37	0.0	0.0	0.0	0.0
716	4/18/2019	14:04:07	0.0	0.0	0.0	0.0
717	4/18/2019	14:04:37	0.0	0.0	0.0	0.0
718	4/18/2019	14:05:07	0.0	0.0	0.0	0.0
719	4/18/2019	14:05:37	0.0	0.0	0.0	0.0
720	4/18/2019	14:06:07	0.0	0.0	0.0	0.0
721	4/18/2019	14:06:37	0.0	0.0	0.0	0.0
722	4/18/2019	14:07:07	0.0	0.0	0.0	0.0
723	4/18/2019	14:07:37	0.0	0.0	0.0	0.0
724	4/18/2019	14:08:07	0.0	0.0	0.0	0.0
725	4/18/2019	14:08:37	0.0	0.0	0.0	0.0
726	4/18/2019	14:09:07	0.0	0.0	0.0	0.0
727	4/18/2019	14:09:37	0.0	0.0	0.0	0.0
728	4/18/2019	14:10:07	0.0	0.0	0.0	0.0
729	4/18/2019	14:10:37	0.0	0.0	0.0	0.0
730	4/18/2019	14:11:07	0.0	0.0	0.0	0.0
731	4/18/2019	14:11:37	0.0	0.0	0.0	0.0
732	4/18/2019	14:12:07	0.0	0.0	0.0	0.0
733	4/18/2019	14:12:37	0.0	0.0	0.0	0.0
734	4/18/2019	14:13:07	0.0	0.0	0.0	0.0
735	4/18/2019	14:13:37	0.0	0.0	0.0	0.0
736	4/18/2019	14:14:07	0.0	0.0	0.0	0.0
737	4/18/2019	14:14:37	0.0	0.0	0.0	0.0
738	4/18/2019	14:15:07	0.0	0.0	0.0	0.0
739	4/18/2019	14:15:37	0.0	0.0	0.0	0.0
740	4/18/2019	14:16:07	0.0	0.0	0.0	0.0
741	4/18/2019	14:16:37	0.0	0.0	0.0	0.0
742	4/18/2019	14:17:07	0.0	0.0	0.0	0.0
743	4/18/2019	14:17:37	0.0	0.0	0.0	0.0
744	4/18/2019	14:18:07	0.0	0.0	0.0	0.0
745	4/18/2019	14:18:37	0.0	0.0	0.0	0.0
746	4/18/2019	14:19:07	0.0	0.0	0.0	0.0
747	4/18/2019	14:19:37	0.0	0.0	0.0	0.0
748	4/18/2019	14:20:07	0.0	0.0	0.0	0.0
749	4/18/2019	14:20:37	0.0	0.0	0.0	0.0
750	4/18/2019	14:21:07	0.0	0.0	0.0	0.0
751	4/18/2019	14:21:37	0.0	0.0	0.0	0.0
752	4/18/2019	14:22:07	0.0	0.0	0.0	0.0
753	4/18/2019	14:22:37	0.0	0.0	0.0	0.0
754	4/18/2019	14:23:07	0.0	0.0	0.0	0.0
755	4/18/2019	14:23:37	0.0	0.0	0.0	0.0
756	4/18/2019	14:24:07	0.0	0.0	0.0	0.0
757	4/18/2019	14:24:37	0.0	0.0	0.0	0.0
758	4/18/2019	14:25:07	0.0	0.0	0.0	0.0
759	4/18/2019	14:25:37	0.0	0.0	0.0	0.0
760	4/18/2019	14:26:07	0.0	0.0	0.0	0.0
761	4/18/2019	14:26:37	0.0	0.0	0.0	0.0
762	4/18/2019	14:27:07	0.0	0.0	0.0	0.0
763	4/18/2019	14:27:37	0.0	0.0	0.0	0.0
764	4/18/2019	14:28:07	0.0	0.0	0.0	0.0
765	4/18/2019	14:28:37	0.0	0.0	0.0	0.0
766	4/18/2019	14:29:07	0.0	0.0	0.0	0.0
767	4/18/2019	14:29:37	0.0	0.0	0.0	0.0
768	4/18/2019	14:30:07	0.0	0.0	0.0	0.0
Peak	0.0	0.1	0.5	0.4		
Min	0.0	0.0	0.0	0.0		
Average		0.0	0.0	0.0	0.0	

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/18/2019 08:06:37	0.0	---
002	4/18/2019 08:07:07	0.0	---
003	4/18/2019 08:07:37	0.0	---
004	4/18/2019 08:08:07	0.0	---
005	4/18/2019 08:08:37	0.0	---
006	4/18/2019 08:09:07	0.0	---
007	4/18/2019 08:09:37	0.0	---
008	4/18/2019 08:10:07	0.0	---
009	4/18/2019 08:10:37	0.0	---
010	4/18/2019 08:11:07	0.0	---
011	4/18/2019 08:11:37	0.0	---
012	4/18/2019 08:12:07	0.0	---
013	4/18/2019 08:12:37	0.0	---
014	4/18/2019 08:13:07	0.0	---
015	4/18/2019 08:13:37	0.0	---
016	4/18/2019 08:14:07	0.0	---
017	4/18/2019 08:14:37	0.0	---
018	4/18/2019 08:15:07	0.0	---
019	4/18/2019 08:15:37	0.0	---
020	4/18/2019 08:16:07	0.0	---
021	4/18/2019 08:16:37	0.0	---
022	4/18/2019 08:17:07	0.0	---
023	4/18/2019 08:17:37	0.0	---
024	4/18/2019 08:18:07	0.0	---
025	4/18/2019 08:18:37	0.0	---
026	4/18/2019 08:19:07	0.0	---
027	4/18/2019 08:19:37	0.0	---
028	4/18/2019 08:20:07	0.0	---
029	4/18/2019 08:20:37	0.0	---
030	4/18/2019 08:21:07	0.0	0.0
031	4/18/2019 08:21:37	0.0	0.0
032	4/18/2019 08:22:07	0.0	0.0
033	4/18/2019 08:22:37	0.0	0.0
034	4/18/2019 08:23:07	0.0	0.0
035	4/18/2019 08:23:37	0.0	0.0
036	4/18/2019 08:24:07	0.0	0.0
037	4/18/2019 08:24:37	0.0	0.0
038	4/18/2019 08:25:07	0.0	0.0
039	4/18/2019 08:25:37	0.0	0.0
040	4/18/2019 08:26:07	0.0	0.0
041	4/18/2019 08:26:37	0.0	0.0
042	4/18/2019 08:27:07	0.0	0.0
043	4/18/2019 08:27:37	0.0	0.0
044	4/18/2019 08:28:07	0.0	0.0
045	4/18/2019 08:28:37	0.0	0.0
046	4/18/2019 08:29:07	0.0	0.0
047	4/18/2019 08:29:37	0.0	0.0
048	4/18/2019 08:30:07	0.0	0.0
049	4/18/2019 08:30:37	0.0	0.0
050	4/18/2019 08:31:07	0.0	0.0
051	4/18/2019 08:31:37	0.0	0.0
052	4/18/2019 08:32:07	0.0	0.0

053	4/18/2019 08:32:37	0.0	0.0
054	4/18/2019 08:33:07	0.0	0.0
055	4/18/2019 08:33:37	0.0	0.0
056	4/18/2019 08:34:07	0.0	0.0
057	4/18/2019 08:34:37	0.0	0.0
058	4/18/2019 08:35:07	0.0	0.0
059	4/18/2019 08:35:37	0.0	0.0
060	4/18/2019 08:36:07	0.0	0.0
061	4/18/2019 08:36:37	0.0	0.0
062	4/18/2019 08:37:07	0.0	0.0
063	4/18/2019 08:37:37	0.0	0.0
064	4/18/2019 08:38:07	0.0	0.0
065	4/18/2019 08:38:37	0.0	0.0
066	4/18/2019 08:39:07	0.0	0.0
067	4/18/2019 08:39:37	0.0	0.0
068	4/18/2019 08:40:07	0.0	0.0
069	4/18/2019 08:40:37	0.0	0.0
070	4/18/2019 08:41:07	0.0	0.0
071	4/18/2019 08:41:37	0.0	0.0
072	4/18/2019 08:42:07	0.0	0.0
073	4/18/2019 08:42:37	0.0	0.0
074	4/18/2019 08:43:07	0.0	0.0
075	4/18/2019 08:43:37	0.0	0.0
076	4/18/2019 08:44:07	0.0	0.0
077	4/18/2019 08:44:37	0.0	0.0
078	4/18/2019 08:45:07	0.0	0.0
079	4/18/2019 08:45:37	0.0	0.0
080	4/18/2019 08:46:07	0.0	0.0
081	4/18/2019 08:46:37	0.0	0.0
082	4/18/2019 08:47:07	0.0	0.0
083	4/18/2019 08:47:37	0.0	0.0
084	4/18/2019 08:48:07	0.0	0.0
085	4/18/2019 08:48:37	0.0	0.0
086	4/18/2019 08:49:07	0.0	0.0
087	4/18/2019 08:49:37	0.0	0.0
088	4/18/2019 08:50:07	0.0	0.0
089	4/18/2019 08:50:37	0.0	0.0
090	4/18/2019 08:51:07	0.0	0.0
091	4/18/2019 08:51:37	0.0	0.0
092	4/18/2019 08:52:07	0.0	0.0
093	4/18/2019 08:52:37	0.0	0.0
094	4/18/2019 08:53:07	0.0	0.0
095	4/18/2019 08:53:37	0.0	0.0
096	4/18/2019 08:54:07	0.0	0.0
097	4/18/2019 08:54:37	0.0	0.0
098	4/18/2019 08:55:07	0.0	0.0
099	4/18/2019 08:55:37	0.0	0.0
100	4/18/2019 08:56:07	0.0	0.0
101	4/18/2019 08:56:37	0.0	0.0
102	4/18/2019 08:57:07	0.0	0.0
103	4/18/2019 08:57:37	0.0	0.0
104	4/18/2019 08:58:07	0.0	0.0
105	4/18/2019 08:58:37	0.0	0.0
106	4/18/2019 08:59:07	0.0	0.0
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475	4/18/2019 12:03:37	0.0	0.0
476	4/18/2019 12:04:07	0.0	0.0
477	4/18/2019 12:04:37	0.0	0.0
478	4/18/2019 12:05:07	0.0	0.0
479	4/18/2019 12:05:37	0.0	0.0
480	4/18/2019 12:06:07	0.0	0.0
481	4/18/2019 12:06:37	0.0	0.0
482	4/18/2019 12:07:07	0.0	0.0
483	4/18/2019 12:07:37	0.0	0.0
484	4/18/2019 12:08:07	0.0	0.0
485	4/18/2019 12:08:37	0.0	0.0
486	4/18/2019 12:09:07	0.0	0.0
487	4/18/2019 12:09:37	0.0	0.0
488	4/18/2019 12:10:07	0.0	0.0
489	4/18/2019 12:10:37	0.0	0.0
490	4/18/2019 12:11:07	0.0	0.0
491	4/18/2019 12:11:37	0.0	0.0
492	4/18/2019 12:12:07	0.0	0.0
493	4/18/2019 12:12:37	0.0	0.0
494	4/18/2019 12:13:07	0.0	0.0
495	4/18/2019 12:13:37	0.0	0.0
496	4/18/2019 12:14:07	0.0	0.0
497	4/18/2019 12:14:37	0.0	0.0
498	4/18/2019 12:15:07	0.0	0.0
499	4/18/2019 12:15:37	0.0	0.0
500	4/18/2019 12:16:07	0.0	0.0
501	4/18/2019 12:16:37	0.0	0.0
502	4/18/2019 12:17:07	0.0	0.0
503	4/18/2019 12:17:37	0.0	0.0
504	4/18/2019 12:18:07	0.0	0.0
505	4/18/2019 12:18:37	0.0	0.0
506	4/18/2019 12:19:07	0.0	0.0
507	4/18/2019 12:19:37	0.0	0.0
508	4/18/2019 12:20:07	0.0	0.0

509	4/18/2019 12:20:37	0.0	0.0
510	4/18/2019 12:21:07	0.0	0.0
511	4/18/2019 12:21:37	0.0	0.0
512	4/18/2019 12:22:07	0.0	0.0
513	4/18/2019 12:22:37	0.0	0.0
514	4/18/2019 12:23:07	0.0	0.0
515	4/18/2019 12:23:37	0.0	0.0
516	4/18/2019 12:24:07	0.0	0.0
517	4/18/2019 12:24:37	0.0	0.0
518	4/18/2019 12:25:07	0.0	0.0
519	4/18/2019 12:25:37	0.0	0.0
520	4/18/2019 12:26:07	0.0	0.0
521	4/18/2019 12:26:37	0.0	0.0
522	4/18/2019 12:27:07	0.0	0.0
523	4/18/2019 12:27:37	0.0	0.0
524	4/18/2019 12:28:07	0.0	0.0
525	4/18/2019 12:28:37	0.0	0.0
526	4/18/2019 12:29:07	0.0	0.0
527	4/18/2019 12:29:37	0.0	0.0
528	4/18/2019 12:30:07	0.0	0.0
529	4/18/2019 12:30:37	0.0	0.0
530	4/18/2019 12:31:07	0.0	0.0
531	4/18/2019 12:31:37	0.0	0.0
532	4/18/2019 12:32:07	0.0	0.0
533	4/18/2019 12:32:37	0.0	0.0
534	4/18/2019 12:33:07	0.0	0.0
535	4/18/2019 12:33:37	0.0	0.0
536	4/18/2019 12:34:07	0.0	0.0
537	4/18/2019 12:34:37	0.0	0.0
538	4/18/2019 12:35:07	0.0	0.0
539	4/18/2019 12:35:37	0.0	0.0
540	4/18/2019 12:36:07	0.0	0.0
541	4/18/2019 12:36:37	0.0	0.0
542	4/18/2019 12:37:07	0.0	0.0
543	4/18/2019 12:37:37	0.0	0.0
544	4/18/2019 12:38:07	0.0	0.0
545	4/18/2019 12:38:37	0.0	0.0
546	4/18/2019 12:39:07	0.0	0.0
547	4/18/2019 12:39:37	0.0	0.0
548	4/18/2019 12:40:07	0.0	0.0
549	4/18/2019 12:40:37	0.0	0.0
550	4/18/2019 12:41:07	0.0	0.0
551	4/18/2019 12:41:37	0.0	0.0
552	4/18/2019 12:42:07	0.0	0.0
553	4/18/2019 12:42:37	0.0	0.0
554	4/18/2019 12:43:07	0.0	0.0
555	4/18/2019 12:43:37	0.0	0.0
556	4/18/2019 12:44:07	0.0	0.0
557	4/18/2019 12:44:37	0.0	0.0
558	4/18/2019 12:45:07	0.0	0.0
559	4/18/2019 12:45:37	0.0	0.0
560	4/18/2019 12:46:07	0.0	0.0
561	4/18/2019 12:46:37	0.0	0.0
562	4/18/2019 12:47:07	0.0	0.0
563	4/18/2019 12:47:37	0.0	0.0
564	4/18/2019 12:48:07	0.0	0.0
565	4/18/2019 12:48:37	0.0	0.0

566	4/18/2019 12:49:07	0.0	0.0
567	4/18/2019 12:49:37	0.0	0.0
568	4/18/2019 12:50:07	0.0	0.0
569	4/18/2019 12:50:37	0.0	0.0
570	4/18/2019 12:51:07	0.0	0.0
571	4/18/2019 12:51:37	0.0	0.0
572	4/18/2019 12:52:07	0.0	0.0
573	4/18/2019 12:52:37	0.0	0.0
574	4/18/2019 12:53:07	0.0	0.0
575	4/18/2019 12:53:37	0.0	0.0
576	4/18/2019 12:54:07	0.0	0.0
577	4/18/2019 12:54:37	0.0	0.0
578	4/18/2019 12:55:07	0.0	0.0
579	4/18/2019 12:55:37	0.0	0.0
580	4/18/2019 12:56:07	0.0	0.0
581	4/18/2019 12:56:37	0.0	0.0
582	4/18/2019 12:57:07	0.0	0.0
583	4/18/2019 12:57:37	0.0	0.0
584	4/18/2019 12:58:07	0.0	0.0
585	4/18/2019 12:58:37	0.0	0.0
586	4/18/2019 12:59:07	0.0	0.0
587	4/18/2019 12:59:37	0.0	0.0
588	4/18/2019 13:00:07	0.0	0.0
589	4/18/2019 13:00:37	0.0	0.0
590	4/18/2019 13:01:07	0.0	0.0
591	4/18/2019 13:01:37	0.0	0.0
592	4/18/2019 13:02:07	0.0	0.0
593	4/18/2019 13:02:37	0.0	0.0
594	4/18/2019 13:03:07	0.0	0.0
595	4/18/2019 13:03:37	0.0	0.0
596	4/18/2019 13:04:07	0.0	0.0
597	4/18/2019 13:04:37	0.0	0.0
598	4/18/2019 13:05:07	0.0	0.0
599	4/18/2019 13:05:37	0.0	0.0
600	4/18/2019 13:06:07	0.0	0.0
601	4/18/2019 13:06:37	0.0	0.0
602	4/18/2019 13:07:07	0.0	0.0
603	4/18/2019 13:07:37	0.0	0.0
604	4/18/2019 13:08:07	0.0	0.0
605	4/18/2019 13:08:37	0.0	0.0
606	4/18/2019 13:09:07	0.0	0.0
607	4/18/2019 13:09:37	0.0	0.0
608	4/18/2019 13:10:07	0.0	0.0
609	4/18/2019 13:10:37	0.0	0.0
610	4/18/2019 13:11:07	0.0	0.0
611	4/18/2019 13:11:37	0.0	0.0
612	4/18/2019 13:12:07	0.0	0.0
613	4/18/2019 13:12:37	0.0	0.0
614	4/18/2019 13:13:07	0.0	0.0
615	4/18/2019 13:13:37	0.0	0.0
616	4/18/2019 13:14:07	0.0	0.0
617	4/18/2019 13:14:37	0.0	0.0
618	4/18/2019 13:15:07	0.0	0.0
619	4/18/2019 13:15:37	0.0	0.0
620	4/18/2019 13:16:07	0.0	0.0
621	4/18/2019 13:16:37	0.0	0.0
622	4/18/2019 13:17:07	0.0	0.0

623	4/18/2019 13:17:37	0.0	0.0
624	4/18/2019 13:18:07	0.0	0.0
625	4/18/2019 13:18:37	0.0	0.0
626	4/18/2019 13:19:07	0.0	0.0
627	4/18/2019 13:19:37	0.0	0.0
628	4/18/2019 13:20:07	0.0	0.0
629	4/18/2019 13:20:37	0.0	0.0
630	4/18/2019 13:21:07	0.0	0.0
631	4/18/2019 13:21:37	0.0	0.0
632	4/18/2019 13:22:07	0.0	0.0
633	4/18/2019 13:22:37	0.0	0.0
634	4/18/2019 13:23:07	0.0	0.0
635	4/18/2019 13:23:37	0.0	0.0
636	4/18/2019 13:24:07	0.0	0.0
637	4/18/2019 13:24:37	0.0	0.0
638	4/18/2019 13:25:07	0.0	0.0
639	4/18/2019 13:25:37	0.0	0.0
640	4/18/2019 13:26:07	0.0	0.0
641	4/18/2019 13:26:37	0.0	0.0
642	4/18/2019 13:27:07	0.0	0.0
643	4/18/2019 13:27:37	0.0	0.0
644	4/18/2019 13:28:07	0.0	0.0
645	4/18/2019 13:28:37	0.0	0.0
646	4/18/2019 13:29:07	0.0	0.0
647	4/18/2019 13:29:37	0.0	0.0
648	4/18/2019 13:30:07	0.0	0.0
649	4/18/2019 13:30:37	0.0	0.0
650	4/18/2019 13:31:07	0.0	0.0
651	4/18/2019 13:31:37	0.0	0.0
652	4/18/2019 13:32:07	0.0	0.0
653	4/18/2019 13:32:37	0.0	0.0
654	4/18/2019 13:33:07	0.0	0.0
655	4/18/2019 13:33:37	0.0	0.0
656	4/18/2019 13:34:07	0.0	0.0
657	4/18/2019 13:34:37	0.0	0.0
658	4/18/2019 13:35:07	0.0	0.0
659	4/18/2019 13:35:37	0.0	0.0
660	4/18/2019 13:36:07	0.0	0.0
661	4/18/2019 13:36:37	0.0	0.0
662	4/18/2019 13:37:07	0.0	0.0
663	4/18/2019 13:37:37	0.0	0.0
664	4/18/2019 13:38:07	0.0	0.0
665	4/18/2019 13:38:37	0.0	0.0
666	4/18/2019 13:39:07	0.0	0.0
667	4/18/2019 13:39:37	0.0	0.0
668	4/18/2019 13:40:07	0.0	0.0
669	4/18/2019 13:40:37	0.0	0.0
670	4/18/2019 13:41:07	0.0	0.0
671	4/18/2019 13:41:37	0.0	0.0
672	4/18/2019 13:42:07	0.0	0.0
673	4/18/2019 13:42:37	0.0	0.0
674	4/18/2019 13:43:07	0.0	0.0
675	4/18/2019 13:43:37	0.0	0.0
676	4/18/2019 13:44:07	0.0	0.0
677	4/18/2019 13:44:37	0.0	0.0
678	4/18/2019 13:45:07	0.0	0.0
679	4/18/2019 13:45:37	0.0	0.0

680	4/18/2019 13:46:07	0.0	0.0
681	4/18/2019 13:46:37	0.0	0.0
682	4/18/2019 13:47:07	0.0	0.0
683	4/18/2019 13:47:37	0.0	0.0
684	4/18/2019 13:48:07	0.0	0.0
685	4/18/2019 13:48:37	0.0	0.0
686	4/18/2019 13:49:07	0.0	0.0
687	4/18/2019 13:49:37	0.0	0.0
688	4/18/2019 13:50:07	0.0	0.0
689	4/18/2019 13:50:37	0.0	0.0
690	4/18/2019 13:51:07	0.0	0.0
691	4/18/2019 13:51:37	0.0	0.0
692	4/18/2019 13:52:07	0.0	0.0
693	4/18/2019 13:52:37	0.0	0.0
694	4/18/2019 13:53:07	0.0	0.0
695	4/18/2019 13:53:37	0.0	0.0
696	4/18/2019 13:54:07	0.0	0.0
697	4/18/2019 13:54:37	0.0	0.0
698	4/18/2019 13:55:07	0.0	0.0
699	4/18/2019 13:55:37	0.0	0.0
700	4/18/2019 13:56:07	0.0	0.0
701	4/18/2019 13:56:37	0.0	0.0
702	4/18/2019 13:57:07	0.0	0.0
703	4/18/2019 13:57:37	0.0	0.0
704	4/18/2019 13:58:07	0.0	0.0
705	4/18/2019 13:58:37	0.0	0.0
706	4/18/2019 13:59:07	0.0	0.0
707	4/18/2019 13:59:37	0.0	0.0
708	4/18/2019 14:00:07	0.0	0.0
709	4/18/2019 14:00:37	0.0	0.0
710	4/18/2019 14:01:07	0.0	0.0
711	4/18/2019 14:01:37	0.0	0.0
712	4/18/2019 14:02:07	0.0	0.0
713	4/18/2019 14:02:37	0.0	0.0
714	4/18/2019 14:03:07	0.0	0.0
715	4/18/2019 14:03:37	0.0	0.0
716	4/18/2019 14:04:07	0.0	0.0
717	4/18/2019 14:04:37	0.0	0.0
718	4/18/2019 14:05:07	0.0	0.0
719	4/18/2019 14:05:37	0.0	0.0
720	4/18/2019 14:06:07	0.0	0.0
721	4/18/2019 14:06:37	0.0	0.0
722	4/18/2019 14:07:07	0.0	0.0
723	4/18/2019 14:07:37	0.0	0.0
724	4/18/2019 14:08:07	0.0	0.0
725	4/18/2019 14:08:37	0.0	0.0
726	4/18/2019 14:09:07	0.0	0.0
727	4/18/2019 14:09:37	0.0	0.0
728	4/18/2019 14:10:07	0.0	0.0
729	4/18/2019 14:10:37	0.0	0.0
730	4/18/2019 14:11:07	0.0	0.0
731	4/18/2019 14:11:37	0.0	0.0
732	4/18/2019 14:12:07	0.0	0.0
733	4/18/2019 14:12:37	0.0	0.0
734	4/18/2019 14:13:07	0.0	0.0
735	4/18/2019 14:13:37	0.0	0.0
736	4/18/2019 14:14:07	0.0	0.0

737	4/18/2019 14:14:37	0.0	0.0
738	4/18/2019 14:15:07	0.0	0.0
739	4/18/2019 14:15:37	0.0	0.0
740	4/18/2019 14:16:07	0.0	0.0
741	4/18/2019 14:16:37	0.0	0.0
742	4/18/2019 14:17:07	0.0	0.0
743	4/18/2019 14:17:37	0.0	0.0
744	4/18/2019 14:18:07	0.0	0.0
745	4/18/2019 14:18:37	0.0	0.0
746	4/18/2019 14:19:07	0.0	0.0
747	4/18/2019 14:19:37	0.0	0.0
748	4/18/2019 14:20:07	0.0	0.0
749	4/18/2019 14:20:37	0.0	0.0
750	4/18/2019 14:21:07	0.0	0.0
751	4/18/2019 14:21:37	0.0	0.0
752	4/18/2019 14:22:07	0.0	0.0
753	4/18/2019 14:22:37	0.0	0.0
754	4/18/2019 14:23:07	0.0	0.0
755	4/18/2019 14:23:37	0.0	0.0
756	4/18/2019 14:24:07	0.0	0.0
757	4/18/2019 14:24:37	0.0	0.0
758	4/18/2019 14:25:07	0.0	0.0
759	4/18/2019 14:25:37	0.0	0.0
760	4/18/2019 14:26:07	0.0	0.0
761	4/18/2019 14:26:37	0.0	0.0
762	4/18/2019 14:27:07	0.0	0.0
763	4/18/2019 14:27:37	0.0	0.0
764	4/18/2019 14:28:07	0.0	0.0
765	4/18/2019 14:28:37	0.0	0.0
766	4/18/2019 14:29:07	0.0	0.0
767	4/18/2019 14:29:37	0.0	0.0
768	4/18/2019 14:30:07	0.0	0.0

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19/04/22 07:12

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910551
Unit Firmware Ver	V2.16

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

Site ID	00000037
User ID	00000001

Begin	4/22/2019 07:12:00
End	4/22/2019 07:12:18
Sample Period(s)	30
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/18/2019 07:39

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Datalog

0 record.

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19/04/22 07:36
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin 4/22/2019 07:36:15
End 4/22/2019 12:00:13
Sample Period(s) 30
Number of Records 527

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/22/2019 07:16
Peak 0.0
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)

001	4/22/2019 07:36:45	0.0	0.0	0.0	0.0
002	4/22/2019 07:37:15	0.0	0.0	0.0	0.0
003	4/22/2019 07:37:45	0.0	0.0	0.0	0.0
004	4/22/2019 07:38:15	0.0	0.0	0.0	0.0
005	4/22/2019 07:38:45	0.0	0.0	0.0	0.0
006	4/22/2019 07:39:15	0.0	0.0	0.0	0.0
007	4/22/2019 07:39:45	0.0	0.0	0.0	0.0
008	4/22/2019 07:40:15	0.0	0.0	0.0	0.0
009	4/22/2019 07:40:45	0.0	0.0	0.0	0.0
010	4/22/2019 07:41:15	0.0	0.0	0.0	0.0
011	4/22/2019 07:41:45	0.0	0.0	0.0	0.0
012	4/22/2019 07:42:15	0.0	0.0	0.0	0.0
013	4/22/2019 07:42:45	0.0	0.0	0.0	0.0
014	4/22/2019 07:43:15	0.0	0.0	0.0	0.0
015	4/22/2019 07:43:45	0.0	0.0	0.0	0.0
016	4/22/2019 07:44:15	0.0	0.0	0.0	0.0
017	4/22/2019 07:44:45	0.0	0.0	0.0	0.0
018	4/22/2019 07:45:15	0.0	0.0	0.0	0.0
019	4/22/2019 07:45:45	0.0	0.0	0.0	0.0
020	4/22/2019 07:46:15	0.0	0.0	0.0	0.0
021	4/22/2019 07:46:45	0.0	0.0	0.0	0.0
022	4/22/2019 07:47:15	0.0	0.0	0.0	0.0
023	4/22/2019 07:47:45	0.0	0.0	0.0	0.0
024	4/22/2019 07:48:15	0.0	0.0	0.0	0.0
025	4/22/2019 07:48:45	0.0	0.0	0.0	0.0
026	4/22/2019 07:49:15	0.0	0.0	0.0	0.0
027	4/22/2019 07:49:45	0.0	0.0	0.0	0.0
028	4/22/2019 07:50:15	0.0	0.0	0.0	0.0
029	4/22/2019 07:50:45	0.0	0.0	0.0	0.0
030	4/22/2019 07:51:15	0.0	0.0	0.0	0.0
031	4/22/2019 07:51:45	0.0	0.0	0.0	0.0
032	4/22/2019 07:52:15	0.0	0.0	0.0	0.0
033	4/22/2019 07:52:45	0.0	0.0	0.0	0.0
034	4/22/2019 07:53:15	0.0	0.0	0.0	0.0
035	4/22/2019 07:53:45	0.0	0.0	0.0	0.0
036	4/22/2019 07:54:15	0.0	0.0	0.0	0.0
037	4/22/2019 07:54:45	0.0	0.0	0.0	0.0
038	4/22/2019 07:55:15	0.0	0.0	0.0	0.0
039	4/22/2019 07:55:45	0.0	0.0	0.0	0.0
040	4/22/2019 07:56:15	0.0	0.0	0.0	0.0
041	4/22/2019 07:56:45	0.0	0.0	0.0	0.0
042	4/22/2019 07:57:15	0.0	0.0	0.0	0.0
043	4/22/2019 07:57:45	0.0	0.0	0.0	0.0
044	4/22/2019 07:58:15	0.0	0.0	0.0	0.0
045	4/22/2019 07:58:45	0.0	0.0	0.0	0.0
046	4/22/2019 07:59:15	0.0	0.0	0.0	0.0
047	4/22/2019 07:59:45	0.0	0.0	0.0	0.0
048	4/22/2019 08:00:15	0.0	0.0	0.0	0.0
049	4/22/2019 08:00:45	0.0	0.0	0.0	0.0
050	4/22/2019 08:01:15	0.0	0.0	0.0	0.0
051	4/22/2019 08:01:45	0.0	0.0	0.0	0.0
052	4/22/2019 08:02:15	0.0	0.0	0.0	0.0
053	4/22/2019 08:02:45	0.0	0.0	0.0	0.0
054	4/22/2019 08:03:15	0.0	0.0	0.0	0.0
055	4/22/2019 08:03:45	0.0	0.0	0.0	0.0
056	4/22/2019 08:04:15	0.0	0.0	0.0	0.0
057	4/22/2019 08:04:45	0.0	0.0	0.0	0.0

058	4/22/2019 08:05:15	0.0	0.0	0.0	0.0
059	4/22/2019 08:05:45	0.0	0.0	0.0	0.0
060	4/22/2019 08:06:15	0.0	0.0	0.0	0.0
061	4/22/2019 08:06:45	0.0	0.0	0.0	0.0
062	4/22/2019 08:07:15	0.0	0.0	0.0	0.0
063	4/22/2019 08:07:45	0.0	0.0	0.0	0.0
064	4/22/2019 08:08:15	0.0	0.0	0.0	0.0
065	4/22/2019 08:08:45	0.0	0.0	0.0	0.0
066	4/22/2019 08:09:15	0.0	0.0	0.0	0.0
067	4/22/2019 08:09:45	0.0	0.0	0.0	0.0
068	4/22/2019 08:10:15	0.0	0.0	0.0	0.0
069	4/22/2019 08:10:45	0.0	0.0	0.0	0.0
070	4/22/2019 08:11:15	0.0	0.0	0.0	0.0
071	4/22/2019 08:11:45	0.0	0.0	0.0	0.0
072	4/22/2019 08:12:15	0.0	0.0	0.0	0.0
073	4/22/2019 08:12:45	0.0	0.0	0.0	0.0
074	4/22/2019 08:13:15	0.0	0.0	0.0	0.0
075	4/22/2019 08:13:45	0.0	0.0	0.0	0.0
076	4/22/2019 08:14:15	0.0	0.0	0.0	0.0
077	4/22/2019 08:14:45	0.0	0.0	0.0	0.0
078	4/22/2019 08:15:15	0.0	0.0	0.0	0.0
079	4/22/2019 08:15:45	0.0	0.0	0.0	0.0
080	4/22/2019 08:16:15	0.0	0.0	0.0	0.0
081	4/22/2019 08:16:45	0.0	0.0	0.0	0.0
082	4/22/2019 08:17:15	0.0	0.0	0.0	0.0
083	4/22/2019 08:17:45	0.0	0.0	0.0	0.0
084	4/22/2019 08:18:15	0.0	0.0	0.0	0.0
085	4/22/2019 08:18:45	0.0	0.0	0.0	0.0
086	4/22/2019 08:19:15	0.0	0.0	0.0	0.0
087	4/22/2019 08:19:45	0.0	0.0	0.0	0.0
088	4/22/2019 08:20:15	0.0	0.0	0.0	0.0
089	4/22/2019 08:20:45	0.0	0.0	0.0	0.0
090	4/22/2019 08:21:15	0.0	0.0	0.0	0.0
091	4/22/2019 08:21:45	0.0	0.0	0.0	0.0
092	4/22/2019 08:22:15	0.0	0.0	0.0	0.0
093	4/22/2019 08:22:45	0.0	0.0	0.0	0.0
094	4/22/2019 08:23:15	0.0	0.0	0.0	0.0
095	4/22/2019 08:23:45	0.0	0.0	0.0	0.0
096	4/22/2019 08:24:15	0.0	0.0	0.0	0.0
097	4/22/2019 08:24:45	0.0	0.0	0.0	0.0
098	4/22/2019 08:25:15	0.0	0.0	0.0	0.0
099	4/22/2019 08:25:45	0.0	0.0	0.0	0.0
100	4/22/2019 08:26:15	0.0	0.0	0.0	0.0
101	4/22/2019 08:26:45	0.0	0.0	0.0	0.0
102	4/22/2019 08:27:15	0.0	0.0	0.0	0.0
103	4/22/2019 08:27:45	0.0	0.0	0.0	0.0
104	4/22/2019 08:28:15	0.0	0.0	0.0	0.0
105	4/22/2019 08:28:45	0.0	0.0	0.0	0.0
106	4/22/2019 08:29:15	0.0	0.0	0.0	0.0
107	4/22/2019 08:29:45	0.0	0.0	0.0	0.0
108	4/22/2019 08:30:15	0.0	0.0	0.0	0.0
109	4/22/2019 08:30:45	0.0	0.0	0.0	0.0
110	4/22/2019 08:31:15	0.0	0.0	0.0	0.0
111	4/22/2019 08:31:45	0.0	0.0	0.0	0.0
112	4/22/2019 08:32:15	0.0	0.0	0.0	0.0
113	4/22/2019 08:32:45	0.0	0.0	0.0	0.0
114	4/22/2019 08:33:15	0.0	0.0	0.0	0.0

115	4/22/2019 08:33:45	0.0	0.0	0.0	0.0
116	4/22/2019 08:34:15	0.0	0.0	0.0	0.0
117	4/22/2019 08:34:45	0.0	0.0	0.0	0.0
118	4/22/2019 08:35:15	0.0	0.0	0.0	0.0
119	4/22/2019 08:35:45	0.0	0.0	0.0	0.0
120	4/22/2019 08:36:15	0.0	0.0	0.0	0.0
121	4/22/2019 08:36:45	0.0	0.0	0.0	0.0
122	4/22/2019 08:37:15	0.0	0.0	0.0	0.0
123	4/22/2019 08:37:45	0.0	0.0	0.0	0.0
124	4/22/2019 08:38:15	0.0	0.0	0.0	0.0
125	4/22/2019 08:38:45	0.0	0.0	0.0	0.0
126	4/22/2019 08:39:15	0.0	0.0	0.0	0.0
127	4/22/2019 08:39:45	0.0	0.0	0.0	0.0
128	4/22/2019 08:40:15	0.0	0.0	0.0	0.0
129	4/22/2019 08:40:45	0.0	0.0	0.0	0.0
130	4/22/2019 08:41:15	0.0	0.0	0.0	0.0
131	4/22/2019 08:41:45	0.0	0.0	0.0	0.0
132	4/22/2019 08:42:15	0.0	0.0	0.0	0.0
133	4/22/2019 08:42:45	0.0	0.0	0.0	0.0
134	4/22/2019 08:43:15	0.0	0.0	0.0	0.0
135	4/22/2019 08:43:45	0.0	0.0	0.0	0.0
136	4/22/2019 08:44:15	0.0	0.0	0.0	0.0
137	4/22/2019 08:44:45	0.0	0.0	0.0	0.0
138	4/22/2019 08:45:15	0.0	0.0	0.0	0.0
139	4/22/2019 08:45:45	0.0	0.0	0.0	0.0
140	4/22/2019 08:46:15	0.0	0.0	0.0	0.0
141	4/22/2019 08:46:45	0.0	0.0	0.0	0.0
142	4/22/2019 08:47:15	0.0	0.0	0.0	0.0
143	4/22/2019 08:47:45	0.0	0.0	0.0	0.0
144	4/22/2019 08:48:15	0.0	0.0	0.0	0.0
145	4/22/2019 08:48:45	0.0	0.0	0.0	0.0
146	4/22/2019 08:49:15	0.0	0.0	0.0	0.0
147	4/22/2019 08:49:45	0.0	0.0	0.0	0.0
148	4/22/2019 08:50:15	0.0	0.0	0.0	0.0
149	4/22/2019 08:50:45	0.0	0.0	0.0	0.0
150	4/22/2019 08:51:15	0.0	0.0	0.0	0.0
151	4/22/2019 08:51:45	0.0	0.0	0.0	0.0
152	4/22/2019 08:52:15	0.0	0.0	0.0	0.0
153	4/22/2019 08:52:45	0.0	0.0	0.0	0.0
154	4/22/2019 08:53:15	0.0	0.0	0.0	0.0
155	4/22/2019 08:53:45	0.0	0.0	0.0	0.0
156	4/22/2019 08:54:15	0.0	0.0	0.0	0.0
157	4/22/2019 08:54:45	0.0	0.0	0.0	0.0
158	4/22/2019 08:55:15	0.0	0.0	0.0	0.0
159	4/22/2019 08:55:45	0.0	0.0	0.0	0.0
160	4/22/2019 08:56:15	0.0	0.0	0.0	0.0
161	4/22/2019 08:56:45	0.0	0.0	0.0	0.0
162	4/22/2019 08:57:15	0.0	0.0	0.0	0.0
163	4/22/2019 08:57:45	0.0	0.0	0.0	0.0
164	4/22/2019 08:58:15	0.0	0.0	0.0	0.0
165	4/22/2019 08:58:45	0.0	0.0	0.0	0.0
166	4/22/2019 08:59:15	0.0	0.0	0.0	0.0
167	4/22/2019 08:59:45	0.0	0.0	0.0	0.0
168	4/22/2019 09:00:15	0.0	0.0	0.0	0.0
169	4/22/2019 09:00:45	0.0	0.0	0.0	0.0
170	4/22/2019 09:01:15	0.0	0.0	0.0	0.0
171	4/22/2019 09:01:45	0.0	0.0	0.0	0.0

172	4/22/2019 09:02:15	0.0	0.0	0.0	0.0
173	4/22/2019 09:02:45	0.0	0.0	0.0	0.0
174	4/22/2019 09:03:15	0.0	0.0	0.0	0.0
175	4/22/2019 09:03:45	0.0	0.0	0.0	0.0
176	4/22/2019 09:04:15	0.0	0.0	0.0	0.0
177	4/22/2019 09:04:45	0.0	0.0	0.0	0.0
178	4/22/2019 09:05:15	0.0	0.0	0.0	0.0
179	4/22/2019 09:05:45	0.0	0.0	0.0	0.0
180	4/22/2019 09:06:15	0.0	0.0	0.0	0.0
181	4/22/2019 09:06:45	0.0	0.0	0.0	0.0
182	4/22/2019 09:07:15	0.0	0.0	0.0	0.0
183	4/22/2019 09:07:45	0.0	0.0	0.0	0.0
184	4/22/2019 09:08:15	0.0	0.0	0.0	0.0
185	4/22/2019 09:08:45	0.0	0.0	0.0	0.0
186	4/22/2019 09:09:15	0.0	0.0	0.0	0.0
187	4/22/2019 09:09:45	0.0	0.0	0.0	0.0
188	4/22/2019 09:10:15	0.0	0.0	0.0	0.0
189	4/22/2019 09:10:45	0.0	0.0	0.0	0.0
190	4/22/2019 09:11:15	0.0	0.0	0.0	0.0
191	4/22/2019 09:11:45	0.0	0.0	0.0	0.0
192	4/22/2019 09:12:15	0.0	0.0	0.0	0.0
193	4/22/2019 09:12:45	0.0	0.0	0.0	0.0
194	4/22/2019 09:13:15	0.0	0.0	0.0	0.0
195	4/22/2019 09:13:45	0.0	0.0	0.0	0.0
196	4/22/2019 09:14:15	0.0	0.0	0.0	0.0
197	4/22/2019 09:14:45	0.0	0.0	0.0	0.0
198	4/22/2019 09:15:15	0.0	0.0	0.0	0.0
199	4/22/2019 09:15:45	0.0	0.0	0.0	0.0
200	4/22/2019 09:16:15	0.0	0.0	0.0	0.0
201	4/22/2019 09:16:45	0.0	0.0	0.0	0.0
202	4/22/2019 09:17:15	0.0	0.0	0.0	0.0
203	4/22/2019 09:17:45	0.0	0.0	0.0	0.0
204	4/22/2019 09:18:15	0.0	0.0	0.0	0.0
205	4/22/2019 09:18:45	0.0	0.0	0.0	0.0
206	4/22/2019 09:19:15	0.0	0.0	0.0	0.0
207	4/22/2019 09:19:45	0.0	0.0	0.0	0.0
208	4/22/2019 09:20:15	0.0	0.0	0.0	0.0
209	4/22/2019 09:20:45	0.0	0.0	0.0	0.0
210	4/22/2019 09:21:15	0.0	0.0	0.0	0.0
211	4/22/2019 09:21:45	0.0	0.0	0.0	0.0
212	4/22/2019 09:22:15	0.0	0.0	0.0	0.0
213	4/22/2019 09:22:45	0.0	0.0	0.0	0.0
214	4/22/2019 09:23:15	0.0	0.0	0.0	0.0
215	4/22/2019 09:23:45	0.0	0.0	0.0	0.0
216	4/22/2019 09:24:15	0.0	0.0	0.0	0.0
217	4/22/2019 09:24:45	0.0	0.0	0.0	0.0
218	4/22/2019 09:25:15	0.0	0.0	0.0	0.0
219	4/22/2019 09:25:45	0.0	0.0	0.0	0.0
220	4/22/2019 09:26:15	0.0	0.0	0.0	0.0
221	4/22/2019 09:26:45	0.0	0.0	0.0	0.0
222	4/22/2019 09:27:15	0.0	0.0	0.0	0.0
223	4/22/2019 09:27:45	0.0	0.0	0.0	0.0
224	4/22/2019 09:28:15	0.0	0.0	0.0	0.0
225	4/22/2019 09:28:45	0.0	0.0	0.0	0.0
226	4/22/2019 09:29:15	0.0	0.0	0.0	0.0
227	4/22/2019 09:29:45	0.0	0.0	0.0	0.0
228	4/22/2019 09:30:15	0.0	0.0	0.0	0.0

229	4/22/2019 09:30:45	0.0	0.0	0.0	0.0
230	4/22/2019 09:31:15	0.0	0.0	0.0	0.0
231	4/22/2019 09:31:45	0.0	0.0	0.0	0.0
232	4/22/2019 09:32:15	0.0	0.0	0.0	0.0
233	4/22/2019 09:32:45	0.0	0.0	0.0	0.0
234	4/22/2019 09:33:15	0.0	0.0	0.0	0.0
235	4/22/2019 09:33:45	0.0	0.0	0.0	0.0
236	4/22/2019 09:34:15	0.0	0.0	0.0	0.0
237	4/22/2019 09:34:45	0.0	0.0	0.0	0.0
238	4/22/2019 09:35:15	0.0	0.0	0.0	0.0
239	4/22/2019 09:35:45	0.0	0.0	0.0	0.0
240	4/22/2019 09:36:15	0.0	0.0	0.0	0.0
241	4/22/2019 09:36:45	0.0	0.0	0.0	0.0
242	4/22/2019 09:37:15	0.0	0.0	0.0	0.0
243	4/22/2019 09:37:45	0.0	0.0	0.0	0.0
244	4/22/2019 09:38:15	0.0	0.0	0.0	0.0
245	4/22/2019 09:38:45	0.0	0.0	0.0	0.0
246	4/22/2019 09:39:15	0.0	0.0	0.0	0.0
247	4/22/2019 09:39:45	0.0	0.0	0.0	0.0
248	4/22/2019 09:40:15	0.0	0.0	0.0	0.0
249	4/22/2019 09:40:45	0.0	0.0	0.0	0.0
250	4/22/2019 09:41:15	0.0	0.0	0.0	0.0
251	4/22/2019 09:41:45	0.0	0.0	0.0	0.0
252	4/22/2019 09:42:15	0.0	0.0	0.0	0.0
253	4/22/2019 09:42:45	0.0	0.0	0.0	0.0
254	4/22/2019 09:43:15	0.0	0.0	0.0	0.0
255	4/22/2019 09:43:45	0.0	0.0	0.0	0.0
256	4/22/2019 09:44:15	0.0	0.0	0.0	0.0
257	4/22/2019 09:44:45	0.0	0.0	0.0	0.0
258	4/22/2019 09:45:15	0.0	0.0	0.0	0.0
259	4/22/2019 09:45:45	0.0	0.0	0.0	0.0
260	4/22/2019 09:46:15	0.0	0.0	0.0	0.0
261	4/22/2019 09:46:45	0.0	0.0	0.0	0.0
262	4/22/2019 09:47:15	0.0	0.0	0.0	0.0
263	4/22/2019 09:47:45	0.0	0.0	0.0	0.0
264	4/22/2019 09:48:15	0.0	0.0	0.0	0.0
265	4/22/2019 09:48:45	0.0	0.0	0.0	0.0
266	4/22/2019 09:49:15	0.0	0.0	0.0	0.0
267	4/22/2019 09:49:45	0.0	0.0	0.0	0.0
268	4/22/2019 09:50:15	0.0	0.0	0.0	0.0
269	4/22/2019 09:50:45	0.0	0.0	0.0	0.0
270	4/22/2019 09:51:15	0.0	0.0	0.0	0.0
271	4/22/2019 09:51:45	0.0	0.0	0.0	0.0
272	4/22/2019 09:52:15	0.0	0.0	0.0	0.0
273	4/22/2019 09:52:45	0.0	0.0	0.0	0.0
274	4/22/2019 09:53:15	0.0	0.0	0.0	0.0
275	4/22/2019 09:53:45	0.0	0.0	0.0	0.0
276	4/22/2019 09:54:15	0.0	0.0	0.0	0.0
277	4/22/2019 09:54:45	0.0	0.0	0.0	0.0
278	4/22/2019 09:55:15	0.0	0.0	0.0	0.0
279	4/22/2019 09:55:45	0.0	0.0	0.0	0.0
280	4/22/2019 09:56:15	0.0	0.0	0.0	0.0
281	4/22/2019 09:56:45	0.0	0.0	0.0	0.0
282	4/22/2019 09:57:15	0.0	0.0	0.0	0.0
283	4/22/2019 09:57:45	0.0	0.0	0.0	0.0
284	4/22/2019 09:58:15	0.0	0.0	0.0	0.0
285	4/22/2019 09:58:45	0.0	0.0	0.0	0.0

286	4/22/2019	09:59:15	0.0	0.0	0.0	0.0
287	4/22/2019	09:59:45	0.0	0.0	0.0	0.0
288	4/22/2019	10:00:15	0.0	0.0	0.0	0.0
289	4/22/2019	10:00:45	0.0	0.0	0.0	0.0
290	4/22/2019	10:01:15	0.0	0.0	0.0	0.0
291	4/22/2019	10:01:45	0.0	0.0	0.0	0.0
292	4/22/2019	10:02:15	0.0	0.0	0.0	0.0
293	4/22/2019	10:02:45	0.0	0.0	0.0	0.0
294	4/22/2019	10:03:15	0.0	0.0	0.0	0.0
295	4/22/2019	10:03:45	0.0	0.0	0.0	0.0
296	4/22/2019	10:04:15	0.0	0.0	0.0	0.0
297	4/22/2019	10:04:45	0.0	0.0	0.0	0.0
298	4/22/2019	10:05:15	0.0	0.0	0.0	0.0
299	4/22/2019	10:05:45	0.0	0.0	0.0	0.0
300	4/22/2019	10:06:15	0.0	0.0	0.0	0.0
301	4/22/2019	10:06:45	0.0	0.0	0.0	0.0
302	4/22/2019	10:07:15	0.0	0.0	0.0	0.0
303	4/22/2019	10:07:45	0.0	0.0	0.0	0.0
304	4/22/2019	10:08:15	0.0	0.0	0.0	0.0
305	4/22/2019	10:08:45	0.0	0.0	0.0	0.0
306	4/22/2019	10:09:15	0.0	0.0	0.0	0.0
307	4/22/2019	10:09:45	0.0	0.0	0.0	0.0
308	4/22/2019	10:10:15	0.0	0.0	0.0	0.0
309	4/22/2019	10:10:45	0.0	0.0	0.0	0.0
310	4/22/2019	10:11:15	0.0	0.0	0.0	0.0
311	4/22/2019	10:11:45	0.0	0.0	0.0	0.0
312	4/22/2019	10:12:15	0.0	0.0	0.0	0.0
313	4/22/2019	10:12:45	0.0	0.0	0.0	0.0
314	4/22/2019	10:13:15	0.0	0.0	0.0	0.0
315	4/22/2019	10:13:45	0.0	0.0	0.0	0.0
316	4/22/2019	10:14:15	0.0	0.0	0.0	0.0
317	4/22/2019	10:14:45	0.0	0.0	0.0	0.0
318	4/22/2019	10:15:15	0.0	0.0	0.0	0.0
319	4/22/2019	10:15:45	0.0	0.0	0.0	0.0
320	4/22/2019	10:16:15	0.0	0.0	0.0	0.0
321	4/22/2019	10:16:45	0.0	0.0	0.0	0.0
322	4/22/2019	10:17:15	0.0	0.0	0.0	0.0
323	4/22/2019	10:17:45	0.0	0.0	0.0	0.0
324	4/22/2019	10:18:15	0.0	0.0	0.0	0.0
325	4/22/2019	10:18:45	0.0	0.0	0.0	0.0
326	4/22/2019	10:19:15	0.0	0.0	0.0	0.0
327	4/22/2019	10:19:45	0.0	0.0	0.0	0.0
328	4/22/2019	10:20:15	0.0	0.0	0.0	0.0
329	4/22/2019	10:20:45	0.0	0.0	0.0	0.0
330	4/22/2019	10:21:15	0.0	0.0	0.0	0.0
331	4/22/2019	10:21:45	0.0	0.0	0.0	0.0
332	4/22/2019	10:22:15	0.0	0.0	0.0	0.0
333	4/22/2019	10:22:45	0.0	0.0	0.0	0.0
334	4/22/2019	10:23:15	0.0	0.0	0.0	0.0
335	4/22/2019	10:23:45	0.0	0.0	0.0	0.0
336	4/22/2019	10:24:15	0.0	0.0	0.0	0.0
337	4/22/2019	10:24:45	0.0	0.0	0.0	0.0
338	4/22/2019	10:25:15	0.0	0.0	0.0	0.0
339	4/22/2019	10:25:45	0.0	0.0	0.0	0.0
340	4/22/2019	10:26:15	0.0	0.0	0.0	0.0
341	4/22/2019	10:26:45	0.0	0.0	0.0	0.0
342	4/22/2019	10:27:15	0.0	0.0	0.0	0.0

343	4/22/2019	10:27:45	0.0	0.0	0.0	0.0
344	4/22/2019	10:28:15	0.0	0.0	0.0	0.0
345	4/22/2019	10:28:45	0.0	0.0	0.0	0.0
346	4/22/2019	10:29:15	0.0	0.0	0.0	0.0
347	4/22/2019	10:29:45	0.0	0.0	0.0	0.0
348	4/22/2019	10:30:15	0.0	0.0	0.0	0.0
349	4/22/2019	10:30:45	0.0	0.0	0.0	0.0
350	4/22/2019	10:31:15	0.0	0.0	0.0	0.0
351	4/22/2019	10:31:45	0.0	0.0	0.0	0.0
352	4/22/2019	10:32:15	0.0	0.0	0.0	0.0
353	4/22/2019	10:32:45	0.0	0.0	0.0	0.0
354	4/22/2019	10:33:15	0.0	0.0	0.0	0.0
355	4/22/2019	10:33:45	0.0	0.0	0.0	0.0
356	4/22/2019	10:34:15	0.0	0.0	0.0	0.0
357	4/22/2019	10:34:45	0.0	0.0	0.0	0.0
358	4/22/2019	10:35:15	0.0	0.0	0.0	0.0
359	4/22/2019	10:35:45	0.0	0.0	0.0	0.0
360	4/22/2019	10:36:15	0.0	0.0	0.0	0.0
361	4/22/2019	10:36:45	0.0	0.0	0.0	0.0
362	4/22/2019	10:37:15	0.0	0.0	0.0	0.0
363	4/22/2019	10:37:45	0.0	0.0	0.0	0.0
364	4/22/2019	10:38:15	0.0	0.0	0.0	0.0
365	4/22/2019	10:38:45	0.0	0.0	0.0	0.0
366	4/22/2019	10:39:15	0.0	0.0	0.0	0.0
367	4/22/2019	10:39:45	0.0	0.0	0.0	0.0
368	4/22/2019	10:40:15	0.0	0.0	0.0	0.0
369	4/22/2019	10:40:45	0.0	0.0	0.0	0.0
370	4/22/2019	10:41:15	0.0	0.0	0.0	0.0
371	4/22/2019	10:41:45	0.0	0.0	0.0	0.0
372	4/22/2019	10:42:15	0.0	0.0	0.0	0.0
373	4/22/2019	10:42:45	0.0	0.0	0.0	0.0
374	4/22/2019	10:43:15	0.0	0.0	0.0	0.0
375	4/22/2019	10:43:45	0.0	0.0	0.0	0.0
376	4/22/2019	10:44:15	0.0	0.0	0.0	0.0
377	4/22/2019	10:44:45	0.0	0.0	0.0	0.0
378	4/22/2019	10:45:15	0.0	0.0	0.0	0.0
379	4/22/2019	10:45:45	0.0	0.0	0.0	0.0
380	4/22/2019	10:46:15	0.0	0.0	0.0	0.0
381	4/22/2019	10:46:45	0.0	0.0	0.0	0.0
382	4/22/2019	10:47:15	0.0	0.0	0.0	0.0
383	4/22/2019	10:47:45	0.0	0.0	0.0	0.0
384	4/22/2019	10:48:15	0.0	0.0	0.0	0.0
385	4/22/2019	10:48:45	0.0	0.0	0.0	0.0
386	4/22/2019	10:49:15	0.0	0.0	0.0	0.0
387	4/22/2019	10:49:45	0.0	0.0	0.0	0.0
388	4/22/2019	10:50:15	0.0	0.0	0.0	0.0
389	4/22/2019	10:50:45	0.0	0.0	0.0	0.0
390	4/22/2019	10:51:15	0.0	0.0	0.0	0.0
391	4/22/2019	10:51:45	0.0	0.0	0.0	0.0
392	4/22/2019	10:52:15	0.0	0.0	0.0	0.0
393	4/22/2019	10:52:45	0.0	0.0	0.0	0.0
394	4/22/2019	10:53:15	0.0	0.0	0.0	0.0
395	4/22/2019	10:53:45	0.0	0.0	0.0	0.0
396	4/22/2019	10:54:15	0.0	0.0	0.0	0.0
397	4/22/2019	10:54:45	0.0	0.0	0.0	0.0
398	4/22/2019	10:55:15	0.0	0.0	0.0	0.0
399	4/22/2019	10:55:45	0.0	0.0	0.0	0.0

400	4/22/2019	10:56:15	0.0	0.0	0.0	0.0
401	4/22/2019	10:56:45	0.0	0.0	0.0	0.0
402	4/22/2019	10:57:15	0.0	0.0	0.0	0.0
403	4/22/2019	10:57:45	0.0	0.0	0.0	0.0
404	4/22/2019	10:58:15	0.0	0.0	0.0	0.0
405	4/22/2019	10:58:45	0.0	0.0	0.0	0.0
406	4/22/2019	10:59:15	0.0	0.0	0.0	0.0
407	4/22/2019	10:59:45	0.0	0.0	0.0	0.0
408	4/22/2019	11:00:15	0.0	0.0	0.0	0.0
409	4/22/2019	11:00:45	0.0	0.0	0.0	0.0
410	4/22/2019	11:01:15	0.0	0.0	0.0	0.0
411	4/22/2019	11:01:45	0.0	0.0	0.0	0.0
412	4/22/2019	11:02:15	0.0	0.0	0.0	0.0
413	4/22/2019	11:02:45	0.0	0.0	0.0	0.0
414	4/22/2019	11:03:15	0.0	0.0	0.0	0.0
415	4/22/2019	11:03:45	0.0	0.0	0.0	0.0
416	4/22/2019	11:04:15	0.0	0.0	0.0	0.0
417	4/22/2019	11:04:45	0.0	0.0	0.0	0.0
418	4/22/2019	11:05:15	0.0	0.0	0.0	0.0
419	4/22/2019	11:05:45	0.0	0.0	0.0	0.0
420	4/22/2019	11:06:15	0.0	0.0	0.0	0.0
421	4/22/2019	11:06:45	0.0	0.0	0.0	0.0
422	4/22/2019	11:07:15	0.0	0.0	0.0	0.0
423	4/22/2019	11:07:45	0.0	0.0	0.0	0.0
424	4/22/2019	11:08:15	0.0	0.0	0.0	0.0
425	4/22/2019	11:08:45	0.0	0.0	0.0	0.0
426	4/22/2019	11:09:15	0.0	0.0	0.0	0.0
427	4/22/2019	11:09:45	0.0	0.0	0.0	0.0
428	4/22/2019	11:10:15	0.0	0.0	0.0	0.0
429	4/22/2019	11:10:45	0.0	0.0	0.0	0.0
430	4/22/2019	11:11:15	0.0	0.0	0.0	0.0
431	4/22/2019	11:11:45	0.0	0.0	0.0	0.0
432	4/22/2019	11:12:15	0.0	0.0	0.0	0.0
433	4/22/2019	11:12:45	0.0	0.0	0.0	0.0
434	4/22/2019	11:13:15	0.0	0.0	0.0	0.0
435	4/22/2019	11:13:45	0.0	0.0	0.0	0.0
436	4/22/2019	11:14:15	0.0	0.0	0.0	0.0
437	4/22/2019	11:14:45	0.0	0.0	0.0	0.0
438	4/22/2019	11:15:15	0.0	0.0	0.0	0.0
439	4/22/2019	11:15:45	0.0	0.0	0.0	0.0
440	4/22/2019	11:16:15	0.0	0.0	0.0	0.0
441	4/22/2019	11:16:45	0.0	0.0	0.0	0.0
442	4/22/2019	11:17:15	0.0	0.0	0.0	0.0
443	4/22/2019	11:17:45	0.0	0.0	0.0	0.0
444	4/22/2019	11:18:15	0.0	0.0	0.0	0.0
445	4/22/2019	11:18:45	0.0	0.0	0.0	0.0
446	4/22/2019	11:19:15	0.0	0.0	0.0	0.0
447	4/22/2019	11:19:45	0.0	0.0	0.0	0.0
448	4/22/2019	11:20:15	0.0	0.0	0.0	0.0
449	4/22/2019	11:20:45	0.0	0.0	0.0	0.0
450	4/22/2019	11:21:15	0.0	0.0	0.0	0.0
451	4/22/2019	11:21:45	0.0	0.0	0.0	0.0
452	4/22/2019	11:22:15	0.0	0.0	0.0	0.0
453	4/22/2019	11:22:45	0.0	0.0	0.0	0.0
454	4/22/2019	11:23:15	0.0	0.0	0.0	0.0
455	4/22/2019	11:23:45	0.0	0.0	0.0	0.0
456	4/22/2019	11:24:15	0.0	0.0	0.0	0.0

457	4/22/2019	11:24:45	0.0	0.0	0.0	0.0
458	4/22/2019	11:25:15	0.0	0.0	0.0	0.0
459	4/22/2019	11:25:45	0.0	0.0	0.0	0.0
460	4/22/2019	11:26:15	0.0	0.0	0.0	0.0
461	4/22/2019	11:26:45	0.0	0.0	0.0	0.0
462	4/22/2019	11:27:15	0.0	0.0	0.0	0.0
463	4/22/2019	11:27:45	0.0	0.0	0.0	0.0
464	4/22/2019	11:28:15	0.0	0.0	0.0	0.0
465	4/22/2019	11:28:45	0.0	0.0	0.0	0.0
466	4/22/2019	11:29:15	0.0	0.0	0.0	0.0
467	4/22/2019	11:29:45	0.0	0.0	0.0	0.0
468	4/22/2019	11:30:15	0.0	0.0	0.0	0.0
469	4/22/2019	11:30:45	0.0	0.0	0.0	0.0
470	4/22/2019	11:31:15	0.0	0.0	0.0	0.0
471	4/22/2019	11:31:45	0.0	0.0	0.0	0.0
472	4/22/2019	11:32:15	0.0	0.0	0.0	0.0
473	4/22/2019	11:32:45	0.0	0.0	0.0	0.0
474	4/22/2019	11:33:15	0.0	0.0	0.0	0.0
475	4/22/2019	11:33:45	0.0	0.0	0.0	0.0
476	4/22/2019	11:34:15	0.0	0.0	0.0	0.0
477	4/22/2019	11:34:45	0.0	0.0	0.0	0.0
478	4/22/2019	11:35:15	0.0	0.0	0.0	0.0
479	4/22/2019	11:35:45	0.0	0.0	0.0	0.0
480	4/22/2019	11:36:15	0.0	0.0	0.0	0.0
481	4/22/2019	11:36:45	0.0	0.0	0.0	0.0
482	4/22/2019	11:37:15	0.0	0.0	0.0	0.0
483	4/22/2019	11:37:45	0.0	0.0	0.0	0.0
484	4/22/2019	11:38:15	0.0	0.0	0.0	0.0
485	4/22/2019	11:38:45	0.0	0.0	0.0	0.0
486	4/22/2019	11:39:15	0.0	0.0	0.0	0.0
487	4/22/2019	11:39:45	0.0	0.0	0.0	0.0
488	4/22/2019	11:40:15	0.0	0.0	0.0	0.0
489	4/22/2019	11:40:45	0.0	0.0	0.0	0.0
490	4/22/2019	11:41:15	0.0	0.0	0.0	0.0
491	4/22/2019	11:41:45	0.0	0.0	0.0	0.0
492	4/22/2019	11:42:15	0.0	0.0	0.0	0.0
493	4/22/2019	11:42:45	0.0	0.0	0.0	0.0
494	4/22/2019	11:43:15	0.0	0.0	0.0	0.0
495	4/22/2019	11:43:45	0.0	0.0	0.0	0.0
496	4/22/2019	11:44:15	0.0	0.0	0.0	0.0
497	4/22/2019	11:44:45	0.0	0.0	0.0	0.0
498	4/22/2019	11:45:15	0.0	0.0	0.0	0.0
499	4/22/2019	11:45:45	0.0	0.0	0.0	0.0
500	4/22/2019	11:46:15	0.0	0.0	0.0	0.0
501	4/22/2019	11:46:45	0.0	0.0	0.0	0.0
502	4/22/2019	11:47:15	0.0	0.0	0.0	0.0
503	4/22/2019	11:47:45	0.0	0.0	0.0	0.0
504	4/22/2019	11:48:15	0.0	0.0	0.0	0.0
505	4/22/2019	11:48:45	0.0	0.0	0.0	0.0
506	4/22/2019	11:49:15	0.0	0.0	0.0	0.0
507	4/22/2019	11:49:45	0.0	0.0	0.0	0.0
508	4/22/2019	11:50:15	0.0	0.0	0.0	0.0
509	4/22/2019	11:50:45	0.0	0.0	0.0	0.0
510	4/22/2019	11:51:15	0.0	0.0	0.0	0.0
511	4/22/2019	11:51:45	0.0	0.0	0.0	0.0
512	4/22/2019	11:52:15	0.0	0.0	0.0	0.0
513	4/22/2019	11:52:45	0.0	0.0	0.0	0.0

514	4/22/2019	11:53:15	0.0	0.0	0.0	0.0
515	4/22/2019	11:53:45	0.0	0.0	0.0	0.0
516	4/22/2019	11:54:15	0.0	0.0	0.0	0.0
517	4/22/2019	11:54:45	0.0	0.0	0.0	0.0
518	4/22/2019	11:55:15	0.0	0.0	0.0	0.0
519	4/22/2019	11:55:45	0.0	0.0	0.0	0.0
520	4/22/2019	11:56:15	0.0	0.0	0.0	0.0
521	4/22/2019	11:56:45	0.0	0.0	0.0	0.0
522	4/22/2019	11:57:15	0.0	0.0	0.0	0.0
523	4/22/2019	11:57:45	0.0	0.0	0.0	0.0
524	4/22/2019	11:58:15	0.0	0.0	0.0	0.0
525	4/22/2019	11:58:45	0.0	0.0	0.0	0.0
526	4/22/2019	11:59:15	0.0	0.0	0.0	0.0
527	4/22/2019	11:59:45	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

****

TWA/STEL

Index		PID(ppm) Date/Time	PID(ppm) (TWA)	(STEL)
001	4/22/2019	07:36:45	0.0	---
002	4/22/2019	07:37:15	0.0	---
003	4/22/2019	07:37:45	0.0	---
004	4/22/2019	07:38:15	0.0	---
005	4/22/2019	07:38:45	0.0	---
006	4/22/2019	07:39:15	0.0	---
007	4/22/2019	07:39:45	0.0	---
008	4/22/2019	07:40:15	0.0	---
009	4/22/2019	07:40:45	0.0	---
010	4/22/2019	07:41:15	0.0	---
011	4/22/2019	07:41:45	0.0	---
012	4/22/2019	07:42:15	0.0	---
013	4/22/2019	07:42:45	0.0	---
014	4/22/2019	07:43:15	0.0	---
015	4/22/2019	07:43:45	0.0	---
016	4/22/2019	07:44:15	0.0	---
017	4/22/2019	07:44:45	0.0	---
018	4/22/2019	07:45:15	0.0	---
019	4/22/2019	07:45:45	0.0	---
020	4/22/2019	07:46:15	0.0	---
021	4/22/2019	07:46:45	0.0	---
022	4/22/2019	07:47:15	0.0	---
023	4/22/2019	07:47:45	0.0	---
024	4/22/2019	07:48:15	0.0	---
025	4/22/2019	07:48:45	0.0	---
026	4/22/2019	07:49:15	0.0	---
027	4/22/2019	07:49:45	0.0	---
028	4/22/2019	07:50:15	0.0	---
029	4/22/2019	07:50:45	0.0	---
030	4/22/2019	07:51:15	0.0	0.0
031	4/22/2019	07:51:45	0.0	0.0
032	4/22/2019	07:52:15	0.0	0.0
033	4/22/2019	07:52:45	0.0	0.0
034	4/22/2019	07:53:15	0.0	0.0
035	4/22/2019	07:53:45	0.0	0.0

036	4/22/2019 07:54:15	0.0	0.0
037	4/22/2019 07:54:45	0.0	0.0
038	4/22/2019 07:55:15	0.0	0.0
039	4/22/2019 07:55:45	0.0	0.0
040	4/22/2019 07:56:15	0.0	0.0
041	4/22/2019 07:56:45	0.0	0.0
042	4/22/2019 07:57:15	0.0	0.0
043	4/22/2019 07:57:45	0.0	0.0
044	4/22/2019 07:58:15	0.0	0.0
045	4/22/2019 07:58:45	0.0	0.0
046	4/22/2019 07:59:15	0.0	0.0
047	4/22/2019 07:59:45	0.0	0.0
048	4/22/2019 08:00:15	0.0	0.0
049	4/22/2019 08:00:45	0.0	0.0
050	4/22/2019 08:01:15	0.0	0.0
051	4/22/2019 08:01:45	0.0	0.0
052	4/22/2019 08:02:15	0.0	0.0
053	4/22/2019 08:02:45	0.0	0.0
054	4/22/2019 08:03:15	0.0	0.0
055	4/22/2019 08:03:45	0.0	0.0
056	4/22/2019 08:04:15	0.0	0.0
057	4/22/2019 08:04:45	0.0	0.0
058	4/22/2019 08:05:15	0.0	0.0
059	4/22/2019 08:05:45	0.0	0.0
060	4/22/2019 08:06:15	0.0	0.0
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062	4/22/2019 08:07:15	0.0	0.0
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086	4/22/2019 08:19:15	0.0	0.0
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089	4/22/2019 08:20:45	0.0	0.0
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104	4/22/2019 08:28:15	0.0	0.0
105	4/22/2019 08:28:45	0.0	0.0
106	4/22/2019 08:29:15	0.0	0.0
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176	4/22/2019 09:04:15	0.0	0.0
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418	4/22/2019	11:05:15	0.0	0.0
419	4/22/2019	11:05:45	0.0	0.0
420	4/22/2019	11:06:15	0.0	0.0
421	4/22/2019	11:06:45	0.0	0.0
422	4/22/2019	11:07:15	0.0	0.0
423	4/22/2019	11:07:45	0.0	0.0
424	4/22/2019	11:08:15	0.0	0.0
425	4/22/2019	11:08:45	0.0	0.0
426	4/22/2019	11:09:15	0.0	0.0
427	4/22/2019	11:09:45	0.0	0.0
428	4/22/2019	11:10:15	0.0	0.0
429	4/22/2019	11:10:45	0.0	0.0
430	4/22/2019	11:11:15	0.0	0.0
431	4/22/2019	11:11:45	0.0	0.0
432	4/22/2019	11:12:15	0.0	0.0
433	4/22/2019	11:12:45	0.0	0.0
434	4/22/2019	11:13:15	0.0	0.0

435	4/22/2019	11:13:45	0.0	0.0
436	4/22/2019	11:14:15	0.0	0.0
437	4/22/2019	11:14:45	0.0	0.0
438	4/22/2019	11:15:15	0.0	0.0
439	4/22/2019	11:15:45	0.0	0.0
440	4/22/2019	11:16:15	0.0	0.0
441	4/22/2019	11:16:45	0.0	0.0
442	4/22/2019	11:17:15	0.0	0.0
443	4/22/2019	11:17:45	0.0	0.0
444	4/22/2019	11:18:15	0.0	0.0
445	4/22/2019	11:18:45	0.0	0.0
446	4/22/2019	11:19:15	0.0	0.0
447	4/22/2019	11:19:45	0.0	0.0
448	4/22/2019	11:20:15	0.0	0.0
449	4/22/2019	11:20:45	0.0	0.0
450	4/22/2019	11:21:15	0.0	0.0
451	4/22/2019	11:21:45	0.0	0.0
452	4/22/2019	11:22:15	0.0	0.0
453	4/22/2019	11:22:45	0.0	0.0
454	4/22/2019	11:23:15	0.0	0.0
455	4/22/2019	11:23:45	0.0	0.0
456	4/22/2019	11:24:15	0.0	0.0
457	4/22/2019	11:24:45	0.0	0.0
458	4/22/2019	11:25:15	0.0	0.0
459	4/22/2019	11:25:45	0.0	0.0
460	4/22/2019	11:26:15	0.0	0.0
461	4/22/2019	11:26:45	0.0	0.0
462	4/22/2019	11:27:15	0.0	0.0
463	4/22/2019	11:27:45	0.0	0.0
464	4/22/2019	11:28:15	0.0	0.0
465	4/22/2019	11:28:45	0.0	0.0
466	4/22/2019	11:29:15	0.0	0.0
467	4/22/2019	11:29:45	0.0	0.0
468	4/22/2019	11:30:15	0.0	0.0
469	4/22/2019	11:30:45	0.0	0.0
470	4/22/2019	11:31:15	0.0	0.0
471	4/22/2019	11:31:45	0.0	0.0
472	4/22/2019	11:32:15	0.0	0.0
473	4/22/2019	11:32:45	0.0	0.0
474	4/22/2019	11:33:15	0.0	0.0
475	4/22/2019	11:33:45	0.0	0.0
476	4/22/2019	11:34:15	0.0	0.0
477	4/22/2019	11:34:45	0.0	0.0
478	4/22/2019	11:35:15	0.0	0.0
479	4/22/2019	11:35:45	0.0	0.0
480	4/22/2019	11:36:15	0.0	0.0
481	4/22/2019	11:36:45	0.0	0.0
482	4/22/2019	11:37:15	0.0	0.0
483	4/22/2019	11:37:45	0.0	0.0
484	4/22/2019	11:38:15	0.0	0.0
485	4/22/2019	11:38:45	0.0	0.0
486	4/22/2019	11:39:15	0.0	0.0
487	4/22/2019	11:39:45	0.0	0.0
488	4/22/2019	11:40:15	0.0	0.0
489	4/22/2019	11:40:45	0.0	0.0
490	4/22/2019	11:41:15	0.0	0.0
491	4/22/2019	11:41:45	0.0	0.0

492	4/22/2019 11:42:15	0.0	0.0
493	4/22/2019 11:42:45	0.0	0.0
494	4/22/2019 11:43:15	0.0	0.0
495	4/22/2019 11:43:45	0.0	0.0
496	4/22/2019 11:44:15	0.0	0.0
497	4/22/2019 11:44:45	0.0	0.0
498	4/22/2019 11:45:15	0.0	0.0
499	4/22/2019 11:45:45	0.0	0.0
500	4/22/2019 11:46:15	0.0	0.0
501	4/22/2019 11:46:45	0.0	0.0
502	4/22/2019 11:47:15	0.0	0.0
503	4/22/2019 11:47:45	0.0	0.0
504	4/22/2019 11:48:15	0.0	0.0
505	4/22/2019 11:48:45	0.0	0.0
506	4/22/2019 11:49:15	0.0	0.0
507	4/22/2019 11:49:45	0.0	0.0
508	4/22/2019 11:50:15	0.0	0.0
509	4/22/2019 11:50:45	0.0	0.0
510	4/22/2019 11:51:15	0.0	0.0
511	4/22/2019 11:51:45	0.0	0.0
512	4/22/2019 11:52:15	0.0	0.0
513	4/22/2019 11:52:45	0.0	0.0
514	4/22/2019 11:53:15	0.0	0.0
515	4/22/2019 11:53:45	0.0	0.0
516	4/22/2019 11:54:15	0.0	0.0
517	4/22/2019 11:54:45	0.0	0.0
518	4/22/2019 11:55:15	0.0	0.0
519	4/22/2019 11:55:45	0.0	0.0
520	4/22/2019 11:56:15	0.0	0.0
521	4/22/2019 11:56:45	0.0	0.0
522	4/22/2019 11:57:15	0.0	0.0
523	4/22/2019 11:57:45	0.0	0.0
524	4/22/2019 11:58:15	0.0	0.0
525	4/22/2019 11:58:45	0.0	0.0
526	4/22/2019 11:59:15	0.0	0.0
527	4/22/2019 11:59:45	0.0	0.0

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19/04/23 07:09

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/23/2019 07:09:01
End 4/23/2019 07:09:39
Sample Period(s) 30
Number of Records 1

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/22/2019 07:16
Peak 0.0
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/23/2019 07:09:31	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

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	4/23/2019 07:09:31	0.0	---

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19/04/23 07:31
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin 4/23/2019 07:31:45
End 4/23/2019 11:18:37
Sample Period(s) 30
Number of Records 453

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/23/2019 07:15
Peak 0.1
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/23/2019 07:32:15	0.0	0.0	0.0	0.0
002	4/23/2019 07:32:45	0.0	0.0	0.0	0.0
003	4/23/2019 07:33:15	0.0	0.0	0.0	0.0
004	4/23/2019 07:33:45	0.0	0.0	0.0	0.0
005	4/23/2019 07:34:15	0.0	0.0	0.0	0.0
006	4/23/2019 07:34:45	0.0	0.0	0.0	0.0
007	4/23/2019 07:35:15	0.0	0.0	0.0	0.0
008	4/23/2019 07:35:45	0.0	0.0	0.0	0.0
009	4/23/2019 07:36:15	0.0	0.0	0.0	0.0
010	4/23/2019 07:36:45	0.0	0.0	0.0	0.0
011	4/23/2019 07:37:15	0.0	0.0	0.0	0.0
012	4/23/2019 07:37:45	0.0	0.0	0.0	0.0
013	4/23/2019 07:38:15	0.0	0.0	0.0	0.0
014	4/23/2019 07:38:45	0.0	0.0	0.0	0.0
015	4/23/2019 07:39:15	0.0	0.0	0.0	0.0
016	4/23/2019 07:39:45	0.0	0.0	0.0	0.0
017	4/23/2019 07:40:15	0.0	0.0	0.0	0.0
018	4/23/2019 07:40:45	0.0	0.0	0.0	0.0
019	4/23/2019 07:41:15	0.0	0.0	0.0	0.0
020	4/23/2019 07:41:45	0.0	0.0	0.0	0.0
021	4/23/2019 07:42:15	0.0	0.0	0.0	0.0
022	4/23/2019 07:42:45	0.0	0.0	0.0	0.0
023	4/23/2019 07:43:15	0.0	0.0	0.0	0.0
024	4/23/2019 07:43:45	0.0	0.0	0.0	0.0
025	4/23/2019 07:44:15	0.0	0.0	0.0	0.0
026	4/23/2019 07:44:45	0.0	0.0	0.0	0.0
027	4/23/2019 07:45:15	0.0	0.0	0.0	0.0
028	4/23/2019 07:45:45	0.0	0.0	0.0	0.0
029	4/23/2019 07:46:15	0.0	0.0	0.0	0.0
030	4/23/2019 07:46:45	0.0	0.0	0.0	0.0
031	4/23/2019 07:47:15	0.0	0.0	0.0	0.0
032	4/23/2019 07:47:45	0.0	0.0	0.0	0.0
033	4/23/2019 07:48:15	0.0	0.0	0.0	0.0
034	4/23/2019 07:48:45	0.0	0.0	0.0	0.0
035	4/23/2019 07:49:15	0.0	0.0	0.0	0.0
036	4/23/2019 07:49:45	0.0	0.0	0.0	0.0
037	4/23/2019 07:50:15	0.0	0.0	0.0	0.0
038	4/23/2019 07:50:45	0.0	0.0	0.0	0.0
039	4/23/2019 07:51:15	0.0	0.0	0.0	0.0
040	4/23/2019 07:51:45	0.0	0.0	0.0	0.0
041	4/23/2019 07:52:15	0.0	0.0	0.0	0.0

042	4/23/2019 07:52:45	0.0	0.0	0.0	0.0
043	4/23/2019 07:53:15	0.0	0.0	0.0	0.0
044	4/23/2019 07:53:45	0.0	0.0	0.0	0.0
045	4/23/2019 07:54:15	0.0	0.0	0.0	0.0
046	4/23/2019 07:54:45	0.0	0.0	0.0	0.0
047	4/23/2019 07:55:15	0.0	0.0	0.0	0.0
048	4/23/2019 07:55:45	0.0	0.0	0.0	0.0
049	4/23/2019 07:56:15	0.0	0.0	0.0	0.0
050	4/23/2019 07:56:45	0.0	0.0	0.0	0.0
051	4/23/2019 07:57:15	0.0	0.0	0.0	0.0
052	4/23/2019 07:57:45	0.0	0.0	0.0	0.0
053	4/23/2019 07:58:15	0.0	0.0	0.0	0.0
054	4/23/2019 07:58:45	0.0	0.0	0.0	0.0
055	4/23/2019 07:59:15	0.0	0.0	0.0	0.0
056	4/23/2019 07:59:45	0.0	0.0	0.0	0.0
057	4/23/2019 08:00:15	0.0	0.0	0.0	0.0
058	4/23/2019 08:00:45	0.0	0.0	0.0	0.0
059	4/23/2019 08:01:15	0.0	0.0	0.0	0.0
060	4/23/2019 08:01:45	0.0	0.0	0.0	0.0
061	4/23/2019 08:02:15	0.0	0.0	0.0	0.0
062	4/23/2019 08:02:45	0.0	0.0	0.0	0.0
063	4/23/2019 08:03:15	0.0	0.0	0.0	0.0
064	4/23/2019 08:03:45	0.0	0.0	0.0	0.0
065	4/23/2019 08:04:15	0.0	0.0	0.0	0.0
066	4/23/2019 08:04:45	0.0	0.0	0.0	0.0
067	4/23/2019 08:05:15	0.0	0.0	0.0	0.0
068	4/23/2019 08:05:45	0.0	0.0	0.0	0.0
069	4/23/2019 08:06:15	0.0	0.0	0.0	0.0
070	4/23/2019 08:06:45	0.0	0.0	0.0	0.0
071	4/23/2019 08:07:15	0.0	0.0	0.0	0.0
072	4/23/2019 08:07:45	0.0	0.0	0.0	0.0
073	4/23/2019 08:08:15	0.0	0.0	0.0	0.0
074	4/23/2019 08:08:45	0.0	0.0	0.0	0.0
075	4/23/2019 08:09:15	0.0	0.0	0.0	0.0
076	4/23/2019 08:09:45	0.0	0.0	0.0	0.0
077	4/23/2019 08:10:15	0.0	0.0	0.0	0.0
078	4/23/2019 08:10:45	0.0	0.0	0.0	0.0
079	4/23/2019 08:11:15	0.0	0.0	0.0	0.0
080	4/23/2019 08:11:45	0.0	0.0	0.0	0.0
081	4/23/2019 08:12:15	0.0	0.0	0.0	0.0
082	4/23/2019 08:12:45	0.0	0.0	0.0	0.0
083	4/23/2019 08:13:15	0.0	0.0	0.0	0.0
084	4/23/2019 08:13:45	0.0	0.0	0.0	0.0
085	4/23/2019 08:14:15	0.0	0.0	0.0	0.0
086	4/23/2019 08:14:45	0.0	0.0	0.0	0.0
087	4/23/2019 08:15:15	0.0	0.0	0.0	0.0
088	4/23/2019 08:15:45	0.0	0.0	0.0	0.0
089	4/23/2019 08:16:15	0.0	0.0	0.0	0.0
090	4/23/2019 08:16:45	0.0	0.0	0.0	0.0
091	4/23/2019 08:17:15	0.0	0.0	0.0	0.0
092	4/23/2019 08:17:45	0.0	0.0	0.0	0.0
093	4/23/2019 08:18:15	0.0	0.0	0.0	0.0
094	4/23/2019 08:18:45	0.0	0.0	0.0	0.0
095	4/23/2019 08:19:15	0.0	0.0	0.0	0.0
096	4/23/2019 08:19:45	0.0	0.0	0.0	0.0
097	4/23/2019 08:20:15	0.0	0.0	0.0	0.0
098	4/23/2019 08:20:45	0.0	0.0	0.0	0.0

099	4/23/2019 08:21:15	0.0	0.0	0.0	0.0
100	4/23/2019 08:21:45	0.0	0.0	0.0	0.0
101	4/23/2019 08:22:15	0.0	0.0	0.0	0.0
102	4/23/2019 08:22:45	0.0	0.0	0.0	0.0
103	4/23/2019 08:23:15	0.0	0.0	0.0	0.0
104	4/23/2019 08:23:45	0.0	0.0	0.0	0.0
105	4/23/2019 08:24:15	0.0	0.0	0.0	0.0
106	4/23/2019 08:24:45	0.0	0.0	0.0	0.0
107	4/23/2019 08:25:15	0.0	0.0	0.0	0.0
108	4/23/2019 08:25:45	0.0	0.0	0.0	0.0
109	4/23/2019 08:26:15	0.0	0.0	0.0	0.0
110	4/23/2019 08:26:45	0.0	0.0	0.0	0.0
111	4/23/2019 08:27:15	0.0	0.0	0.0	0.0
112	4/23/2019 08:27:45	0.0	0.0	0.0	0.0
113	4/23/2019 08:28:15	0.0	0.0	0.0	0.0
114	4/23/2019 08:28:45	0.0	0.0	0.0	0.0
115	4/23/2019 08:29:15	0.0	0.0	0.0	0.0
116	4/23/2019 08:29:45	0.0	0.0	0.0	0.0
117	4/23/2019 08:30:15	0.0	0.0	0.0	0.0
118	4/23/2019 08:30:45	0.0	0.0	0.0	0.0
119	4/23/2019 08:31:15	0.0	0.0	0.0	0.0
120	4/23/2019 08:31:45	0.0	0.0	0.0	0.0
121	4/23/2019 08:32:15	0.0	0.0	0.0	0.0
122	4/23/2019 08:32:45	0.0	0.0	0.0	0.0
123	4/23/2019 08:33:15	0.0	0.0	0.0	0.0
124	4/23/2019 08:33:45	0.0	0.0	0.0	0.0
125	4/23/2019 08:34:15	0.0	0.0	0.0	0.0
126	4/23/2019 08:34:45	0.0	0.0	0.0	0.0
127	4/23/2019 08:35:15	0.0	0.0	0.0	0.0
128	4/23/2019 08:35:45	0.0	0.0	0.0	0.0
129	4/23/2019 08:36:15	0.0	0.0	0.0	0.0
130	4/23/2019 08:36:45	0.0	0.0	0.0	0.0
131	4/23/2019 08:37:15	0.0	0.0	0.0	0.0
132	4/23/2019 08:37:45	0.0	0.0	0.0	0.0
133	4/23/2019 08:38:15	0.0	0.0	0.0	0.0
134	4/23/2019 08:38:45	0.0	0.0	0.0	0.0
135	4/23/2019 08:39:15	0.0	0.0	0.0	0.0
136	4/23/2019 08:39:45	0.0	0.0	0.0	0.0
137	4/23/2019 08:40:15	0.0	0.0	0.0	0.0
138	4/23/2019 08:40:45	0.0	0.0	0.0	0.0
139	4/23/2019 08:41:15	0.0	0.0	0.0	0.0
140	4/23/2019 08:41:45	0.0	0.0	0.0	0.0
141	4/23/2019 08:42:15	0.0	0.0	0.0	0.0
142	4/23/2019 08:42:45	0.0	0.0	0.0	0.0
143	4/23/2019 08:43:15	0.0	0.0	0.0	0.0
144	4/23/2019 08:43:45	0.0	0.0	0.0	0.0
145	4/23/2019 08:44:15	0.0	0.0	0.0	0.0
146	4/23/2019 08:44:45	0.0	0.0	0.0	0.0
147	4/23/2019 08:45:15	0.0	0.0	0.0	0.0
148	4/23/2019 08:45:45	0.0	0.0	0.0	0.0
149	4/23/2019 08:46:15	0.0	0.0	0.0	0.0
150	4/23/2019 08:46:45	0.0	0.0	0.0	0.0
151	4/23/2019 08:47:15	0.0	0.0	0.0	0.0
152	4/23/2019 08:47:45	0.0	0.0	0.0	0.0
153	4/23/2019 08:48:15	0.0	0.0	0.0	0.0
154	4/23/2019 08:48:45	0.0	0.0	0.0	0.0
155	4/23/2019 08:49:15	0.0	0.0	0.0	0.0

156	4/23/2019 08:49:45	0.0	0.0	0.0	0.0
157	4/23/2019 08:50:15	0.0	0.0	0.0	0.0
158	4/23/2019 08:50:45	0.0	0.0	0.0	0.0
159	4/23/2019 08:51:15	0.0	0.0	0.0	0.0
160	4/23/2019 08:51:45	0.0	0.0	0.1	0.0
161	4/23/2019 08:52:15	0.0	0.0	0.0	0.0
162	4/23/2019 08:52:45	0.0	0.0	0.0	0.0
163	4/23/2019 08:53:15	0.0	0.0	0.0	0.0
164	4/23/2019 08:53:45	0.0	0.0	0.0	0.0
165	4/23/2019 08:54:15	0.0	0.0	0.0	0.0
166	4/23/2019 08:54:45	0.0	0.0	0.0	0.0
167	4/23/2019 08:55:15	0.0	0.0	0.0	0.0
168	4/23/2019 08:55:45	0.0	0.0	0.0	0.0
169	4/23/2019 08:56:15	0.0	0.0	0.0	0.0
170	4/23/2019 08:56:45	0.0	0.0	0.0	0.0
171	4/23/2019 08:57:15	0.0	0.0	0.0	0.0
172	4/23/2019 08:57:45	0.0	0.0	0.0	0.0
173	4/23/2019 08:58:15	0.0	0.0	0.0	0.0
174	4/23/2019 08:58:45	0.0	0.0	0.0	0.0
175	4/23/2019 08:59:15	0.0	0.0	0.0	0.0
176	4/23/2019 08:59:45	0.0	0.0	0.0	0.0
177	4/23/2019 09:00:15	0.0	0.0	0.0	0.0
178	4/23/2019 09:00:45	0.0	0.0	0.0	0.0
179	4/23/2019 09:01:15	0.0	0.0	0.0	0.0
180	4/23/2019 09:01:45	0.0	0.0	0.0	0.0
181	4/23/2019 09:02:15	0.0	0.0	0.0	0.0
182	4/23/2019 09:02:45	0.0	0.0	0.0	0.0
183	4/23/2019 09:03:15	0.0	0.0	0.0	0.0
184	4/23/2019 09:03:45	0.0	0.0	0.0	0.0
185	4/23/2019 09:04:15	0.0	0.0	0.0	0.0
186	4/23/2019 09:04:45	0.0	0.0	0.0	0.0
187	4/23/2019 09:05:15	0.0	0.0	0.0	0.0
188	4/23/2019 09:05:45	0.0	0.0	0.0	0.0
189	4/23/2019 09:06:15	0.0	0.0	0.0	0.0
190	4/23/2019 09:06:45	0.0	0.0	0.0	0.0
191	4/23/2019 09:07:15	0.0	0.0	0.0	0.0
192	4/23/2019 09:07:45	0.0	0.0	0.0	0.0
193	4/23/2019 09:08:15	0.0	0.0	0.0	0.0
194	4/23/2019 09:08:45	0.0	0.0	0.0	0.0
195	4/23/2019 09:09:15	0.0	0.0	0.0	0.0
196	4/23/2019 09:09:45	0.0	0.0	0.0	0.0
197	4/23/2019 09:10:15	0.0	0.0	0.0	0.0
198	4/23/2019 09:10:45	0.0	0.0	0.0	0.0
199	4/23/2019 09:11:15	0.0	0.0	0.0	0.0
200	4/23/2019 09:11:45	0.0	0.0	0.0	0.0
201	4/23/2019 09:12:15	0.0	0.0	0.0	0.0
202	4/23/2019 09:12:45	0.0	0.0	0.0	0.0
203	4/23/2019 09:13:15	0.0	0.0	0.0	0.0
204	4/23/2019 09:13:45	0.0	0.0	0.0	0.0
205	4/23/2019 09:14:15	0.0	0.0	0.0	0.0
206	4/23/2019 09:14:45	0.0	0.0	0.0	0.0
207	4/23/2019 09:15:15	0.0	0.0	0.0	0.0
208	4/23/2019 09:15:45	0.0	0.0	0.0	0.0
209	4/23/2019 09:16:15	0.0	0.0	0.0	0.0
210	4/23/2019 09:16:45	0.0	0.0	0.0	0.0
211	4/23/2019 09:17:15	0.0	0.0	0.0	0.0
212	4/23/2019 09:17:45	0.0	0.0	0.0	0.0

213	4/23/2019 09:18:15	0.0	0.0	0.0	0.0
214	4/23/2019 09:18:45	0.0	0.0	0.0	0.0
215	4/23/2019 09:19:15	0.0	0.0	0.0	0.0
216	4/23/2019 09:19:45	0.0	0.0	0.0	0.0
217	4/23/2019 09:20:15	0.0	0.0	0.0	0.0
218	4/23/2019 09:20:45	0.0	0.0	0.0	0.0
219	4/23/2019 09:21:15	0.0	0.0	0.0	0.0
220	4/23/2019 09:21:45	0.0	0.0	0.0	0.0
221	4/23/2019 09:22:15	0.0	0.0	0.0	0.0
222	4/23/2019 09:22:45	0.0	0.0	0.0	0.0
223	4/23/2019 09:23:15	0.0	0.0	0.0	0.0
224	4/23/2019 09:23:45	0.0	0.0	0.0	0.0
225	4/23/2019 09:24:15	0.0	0.0	0.0	0.0
226	4/23/2019 09:24:45	0.0	0.0	0.0	0.0
227	4/23/2019 09:25:15	0.0	0.0	0.1	0.0
228	4/23/2019 09:25:45	0.0	0.1	0.1	0.1
229	4/23/2019 09:26:15	0.0	0.1	0.2	0.0
230	4/23/2019 09:26:45	0.0	0.0	0.0	0.0
231	4/23/2019 09:27:15	0.0	0.0	0.0	0.0
232	4/23/2019 09:27:45	0.0	0.0	0.1	0.0
233	4/23/2019 09:28:15	0.0	0.0	0.1	0.0
234	4/23/2019 09:28:45	0.0	0.0	0.1	0.0
235	4/23/2019 09:29:15	0.0	0.0	0.0	0.0
236	4/23/2019 09:29:45	0.0	0.0	0.0	0.0
237	4/23/2019 09:30:15	0.0	0.0	0.0	0.0
238	4/23/2019 09:30:45	0.0	0.0	0.0	0.0
239	4/23/2019 09:31:15	0.0	0.0	0.0	0.0
240	4/23/2019 09:31:45	0.0	0.0	0.0	0.0
241	4/23/2019 09:32:15	0.0	0.0	0.0	0.0
242	4/23/2019 09:32:45	0.0	0.0	0.0	0.0
243	4/23/2019 09:33:15	0.0	0.0	0.0	0.0
244	4/23/2019 09:33:45	0.0	0.0	0.0	0.0
245	4/23/2019 09:34:15	0.0	0.0	0.0	0.0
246	4/23/2019 09:34:45	0.0	0.0	0.0	0.0
247	4/23/2019 09:35:15	0.0	0.0	0.0	0.0
248	4/23/2019 09:35:45	0.0	0.0	0.0	0.0
249	4/23/2019 09:36:15	0.0	0.0	0.0	0.0
250	4/23/2019 09:36:45	0.0	0.0	0.0	0.0
251	4/23/2019 09:37:15	0.0	0.0	0.0	0.0
252	4/23/2019 09:37:45	0.0	0.0	0.0	0.0
253	4/23/2019 09:38:15	0.0	0.0	0.0	0.0
254	4/23/2019 09:38:45	0.0	0.0	0.0	0.0
255	4/23/2019 09:39:15	0.0	0.0	0.0	0.0
256	4/23/2019 09:39:45	0.0	0.0	0.0	0.0
257	4/23/2019 09:40:15	0.0	0.0	0.0	0.0
258	4/23/2019 09:40:45	0.0	0.0	0.0	0.0
259	4/23/2019 09:41:15	0.0	0.0	0.0	0.0
260	4/23/2019 09:41:45	0.0	0.0	0.0	0.0
261	4/23/2019 09:42:15	0.0	0.0	0.0	0.0
262	4/23/2019 09:42:45	0.0	0.0	0.0	0.0
263	4/23/2019 09:43:15	0.0	0.0	0.0	0.0
264	4/23/2019 09:43:45	0.0	0.0	0.0	0.0
265	4/23/2019 09:44:15	0.0	0.0	0.0	0.0
266	4/23/2019 09:44:45	0.0	0.0	0.0	0.0
267	4/23/2019 09:45:15	0.0	0.0	0.0	0.0
268	4/23/2019 09:45:45	0.0	0.0	0.0	0.0
269	4/23/2019 09:46:15	0.0	0.0	0.0	0.0

270	4/23/2019 09:46:45	0.0	0.0	0.0	0.0
271	4/23/2019 09:47:15	0.0	0.0	0.0	0.0
272	4/23/2019 09:47:45	0.0	0.0	0.0	0.0
273	4/23/2019 09:48:15	0.0	0.0	0.0	0.0
274	4/23/2019 09:48:45	0.0	0.0	0.0	0.0
275	4/23/2019 09:49:15	0.0	0.0	0.0	0.0
276	4/23/2019 09:49:45	0.0	0.0	0.0	0.0
277	4/23/2019 09:50:15	0.0	0.0	0.0	0.0
278	4/23/2019 09:50:45	0.0	0.0	0.0	0.0
279	4/23/2019 09:51:15	0.0	0.0	0.0	0.0
280	4/23/2019 09:51:45	0.0	0.0	0.0	0.0
281	4/23/2019 09:52:15	0.0	0.0	0.0	0.0
282	4/23/2019 09:52:45	0.0	0.0	0.0	0.0
283	4/23/2019 09:53:15	0.0	0.0	0.0	0.0
284	4/23/2019 09:53:45	0.0	0.0	0.0	0.0
285	4/23/2019 09:54:15	0.0	0.0	0.0	0.0
286	4/23/2019 09:54:45	0.0	0.0	0.0	0.0
287	4/23/2019 09:55:15	0.0	0.0	0.0	0.0
288	4/23/2019 09:55:45	0.0	0.0	0.0	0.0
289	4/23/2019 09:56:15	0.0	0.0	0.0	0.0
290	4/23/2019 09:56:45	0.0	0.0	0.0	0.0
291	4/23/2019 09:57:15	0.0	0.0	0.0	0.0
292	4/23/2019 09:57:45	0.0	0.0	0.0	0.0
293	4/23/2019 09:58:15	0.0	0.0	0.0	0.0
294	4/23/2019 09:58:45	0.0	0.0	0.0	0.0
295	4/23/2019 09:59:15	0.0	0.0	0.0	0.0
296	4/23/2019 09:59:45	0.0	0.0	0.0	0.0
297	4/23/2019 10:00:15	0.0	0.0	0.0	0.0
298	4/23/2019 10:00:45	0.0	0.0	0.0	0.0
299	4/23/2019 10:01:15	0.0	0.0	0.0	0.0
300	4/23/2019 10:01:45	0.0	0.0	0.0	0.0
301	4/23/2019 10:02:15	0.0	0.0	0.0	0.0
302	4/23/2019 10:02:45	0.0	0.0	0.0	0.0
303	4/23/2019 10:03:15	0.0	0.0	0.0	0.0
304	4/23/2019 10:03:45	0.0	0.0	0.0	0.0
305	4/23/2019 10:04:15	0.0	0.0	0.0	0.0
306	4/23/2019 10:04:45	0.0	0.0	0.0	0.0
307	4/23/2019 10:05:15	0.0	0.0	0.0	0.0
308	4/23/2019 10:05:45	0.0	0.0	0.0	0.0
309	4/23/2019 10:06:15	0.0	0.0	0.0	0.0
310	4/23/2019 10:06:45	0.0	0.0	0.0	0.0
311	4/23/2019 10:07:15	0.0	0.0	0.0	0.0
312	4/23/2019 10:07:45	0.0	0.0	0.0	0.0
313	4/23/2019 10:08:15	0.0	0.0	0.0	0.0
314	4/23/2019 10:08:45	0.0	0.0	0.0	0.0
315	4/23/2019 10:09:15	0.0	0.0	0.0	0.0
316	4/23/2019 10:09:45	0.0	0.0	0.0	0.0
317	4/23/2019 10:10:15	0.0	0.0	0.0	0.0
318	4/23/2019 10:10:45	0.0	0.0	0.0	0.0
319	4/23/2019 10:11:15	0.0	0.0	0.0	0.0
320	4/23/2019 10:11:45	0.0	0.0	0.0	0.0
321	4/23/2019 10:12:15	0.0	0.0	0.0	0.0
322	4/23/2019 10:12:45	0.0	0.0	0.0	0.0
323	4/23/2019 10:13:15	0.0	0.0	0.0	0.0
324	4/23/2019 10:13:45	0.0	0.0	0.0	0.0
325	4/23/2019 10:14:15	0.0	0.0	0.0	0.0
326	4/23/2019 10:14:45	0.0	0.0	0.0	0.0

327	4/23/2019	10:15:15	0.0	0.0	0.0	0.0
328	4/23/2019	10:15:45	0.0	0.0	0.0	0.0
329	4/23/2019	10:16:15	0.0	0.0	0.0	0.0
330	4/23/2019	10:16:45	0.0	0.0	0.0	0.0
331	4/23/2019	10:17:15	0.0	0.0	0.0	0.0
332	4/23/2019	10:17:45	0.0	0.0	0.0	0.0
333	4/23/2019	10:18:15	0.0	0.0	0.0	0.0
334	4/23/2019	10:18:45	0.0	0.0	0.0	0.0
335	4/23/2019	10:19:15	0.0	0.0	0.0	0.0
336	4/23/2019	10:19:45	0.0	0.0	0.0	0.0
337	4/23/2019	10:20:15	0.0	0.0	0.0	0.0
338	4/23/2019	10:20:45	0.0	0.0	0.0	0.0
339	4/23/2019	10:21:15	0.0	0.0	0.0	0.0
340	4/23/2019	10:21:45	0.0	0.0	0.0	0.0
341	4/23/2019	10:22:15	0.0	0.0	0.0	0.0
342	4/23/2019	10:22:45	0.0	0.0	0.0	0.0
343	4/23/2019	10:23:15	0.0	0.0	0.0	0.0
344	4/23/2019	10:23:45	0.0	0.0	0.0	0.0
345	4/23/2019	10:24:15	0.0	0.0	0.0	0.0
346	4/23/2019	10:24:45	0.0	0.0	0.0	0.0
347	4/23/2019	10:25:15	0.0	0.0	0.0	0.0
348	4/23/2019	10:25:45	0.0	0.0	0.0	0.0
349	4/23/2019	10:26:15	0.0	0.0	0.0	0.0
350	4/23/2019	10:26:45	0.0	0.0	0.0	0.0
351	4/23/2019	10:27:15	0.0	0.0	0.0	0.0
352	4/23/2019	10:27:45	0.0	0.0	0.0	0.0
353	4/23/2019	10:28:15	0.0	0.0	0.0	0.0
354	4/23/2019	10:28:45	0.0	0.0	0.0	0.0
355	4/23/2019	10:29:15	0.0	0.0	0.0	0.0
356	4/23/2019	10:29:45	0.0	0.0	0.0	0.0
357	4/23/2019	10:30:15	0.0	0.0	0.0	0.0
358	4/23/2019	10:30:45	0.0	0.0	0.0	0.0
359	4/23/2019	10:31:15	0.0	0.0	0.0	0.0
360	4/23/2019	10:31:45	0.0	0.0	0.0	0.0
361	4/23/2019	10:32:15	0.0	0.0	0.0	0.0
362	4/23/2019	10:32:45	0.0	0.0	0.0	0.0
363	4/23/2019	10:33:15	0.0	0.0	0.0	0.0
364	4/23/2019	10:33:45	0.0	0.1	0.2	0.0
365	4/23/2019	10:34:15	0.0	0.0	0.0	0.0
366	4/23/2019	10:34:45	0.0	0.0	0.0	0.0
367	4/23/2019	10:35:15	0.0	0.0	0.1	0.0
368	4/23/2019	10:35:45	0.0	0.0	0.0	0.0
369	4/23/2019	10:36:15	0.0	0.0	0.0	0.0
370	4/23/2019	10:36:45	0.0	0.0	0.1	0.0
371	4/23/2019	10:37:15	0.0	0.0	0.0	0.0
372	4/23/2019	10:37:45	0.0	0.0	0.0	0.0
373	4/23/2019	10:38:15	0.0	0.0	0.0	0.0
374	4/23/2019	10:38:45	0.0	0.0	0.0	0.0
375	4/23/2019	10:39:15	0.0	0.0	0.0	0.0
376	4/23/2019	10:39:45	0.0	0.0	0.0	0.0
377	4/23/2019	10:40:15	0.0	0.0	0.0	0.0
378	4/23/2019	10:40:45	0.0	0.0	0.0	0.0
379	4/23/2019	10:41:15	0.0	0.0	0.0	0.0
380	4/23/2019	10:41:45	0.0	0.0	0.0	0.0
381	4/23/2019	10:42:15	0.0	0.0	0.0	0.0
382	4/23/2019	10:42:45	0.0	0.0	0.0	0.0
383	4/23/2019	10:43:15	0.0	0.0	0.0	0.0

384	4/23/2019	10:43:45	0.0	0.0	0.0	0.0
385	4/23/2019	10:44:15	0.0	0.0	0.0	0.0
386	4/23/2019	10:44:45	0.0	0.0	0.0	0.0
387	4/23/2019	10:45:15	0.0	0.0	0.0	0.0
388	4/23/2019	10:45:45	0.0	0.0	0.0	0.0
389	4/23/2019	10:46:15	0.0	0.0	0.0	0.0
390	4/23/2019	10:46:45	0.0	0.0	0.0	0.0
391	4/23/2019	10:47:15	0.0	0.0	0.0	0.0
392	4/23/2019	10:47:45	0.0	0.0	0.0	0.0
393	4/23/2019	10:48:15	0.0	0.0	0.0	0.0
394	4/23/2019	10:48:45	0.0	0.0	0.0	0.0
395	4/23/2019	10:49:15	0.0	0.0	0.0	0.0
396	4/23/2019	10:49:45	0.0	0.0	0.0	0.0
397	4/23/2019	10:50:15	0.0	0.0	0.0	0.0
398	4/23/2019	10:50:45	0.0	0.0	0.0	0.0
399	4/23/2019	10:51:15	0.0	0.0	0.0	0.0
400	4/23/2019	10:51:45	0.0	0.0	0.0	0.0
401	4/23/2019	10:52:15	0.0	0.0	0.0	0.0
402	4/23/2019	10:52:45	0.0	0.0	0.0	0.0
403	4/23/2019	10:53:15	0.0	0.0	0.0	0.0
404	4/23/2019	10:53:45	0.0	0.0	0.0	0.0
405	4/23/2019	10:54:15	0.0	0.0	0.0	0.0
406	4/23/2019	10:54:45	0.0	0.0	0.0	0.0
407	4/23/2019	10:55:15	0.0	0.0	0.0	0.0
408	4/23/2019	10:55:45	0.0	0.0	0.0	0.0
409	4/23/2019	10:56:15	0.0	0.0	0.0	0.0
410	4/23/2019	10:56:45	0.0	0.0	0.0	0.0
411	4/23/2019	10:57:15	0.0	0.0	0.0	0.0
412	4/23/2019	10:57:45	0.0	0.0	0.0	0.0
413	4/23/2019	10:58:15	0.0	0.0	0.0	0.0
414	4/23/2019	10:58:45	0.0	0.0	0.0	0.0
415	4/23/2019	10:59:15	0.0	0.0	0.0	0.0
416	4/23/2019	10:59:45	0.0	0.0	0.0	0.0
417	4/23/2019	11:00:15	0.0	0.0	0.0	0.0
418	4/23/2019	11:00:45	0.0	0.0	0.0	0.0
419	4/23/2019	11:01:15	0.0	0.0	0.0	0.0
420	4/23/2019	11:01:45	0.0	0.0	0.0	0.0
421	4/23/2019	11:02:15	0.0	0.0	0.0	0.0
422	4/23/2019	11:02:45	0.0	0.0	0.0	0.0
423	4/23/2019	11:03:15	0.0	0.0	0.0	0.0
424	4/23/2019	11:03:45	0.0	0.0	0.0	0.0
425	4/23/2019	11:04:15	0.0	0.0	0.0	0.0
426	4/23/2019	11:04:45	0.0	0.0	0.0	0.0
427	4/23/2019	11:05:15	0.0	0.0	0.0	0.0
428	4/23/2019	11:05:45	0.0	0.0	0.0	0.0
429	4/23/2019	11:06:15	0.0	0.0	0.0	0.0
430	4/23/2019	11:06:45	0.0	0.0	0.0	0.0
431	4/23/2019	11:07:15	0.0	0.0	0.0	0.0
432	4/23/2019	11:07:45	0.0	0.0	0.0	0.0
433	4/23/2019	11:08:15	0.0	0.0	0.0	0.0
434	4/23/2019	11:08:45	0.0	0.0	0.0	0.0
435	4/23/2019	11:09:15	0.0	0.0	0.0	0.0
436	4/23/2019	11:09:45	0.0	0.0	0.0	0.0
437	4/23/2019	11:10:15	0.0	0.0	0.0	0.0
438	4/23/2019	11:10:45	0.0	0.0	0.0	0.0
439	4/23/2019	11:11:15	0.0	0.0	0.0	0.0
440	4/23/2019	11:11:45	0.0	0.0	0.0	0.0

441	4/23/2019	11:12:15	0.0	0.0	0.0	0.0
442	4/23/2019	11:12:45	0.0	0.0	0.0	0.0
443	4/23/2019	11:13:15	0.0	0.0	0.0	0.0
444	4/23/2019	11:13:45	0.0	0.0	0.0	0.0
445	4/23/2019	11:14:15	0.0	0.0	0.0	0.0
446	4/23/2019	11:14:45	0.0	0.0	0.0	0.0
447	4/23/2019	11:15:15	0.0	0.0	0.1	0.1
448	4/23/2019	11:15:45	0.0	0.0	0.1	0.0
449	4/23/2019	11:16:15	0.0	0.0	0.0	0.0
450	4/23/2019	11:16:45	0.0	0.0	0.0	0.0
451	4/23/2019	11:17:15	0.0	0.0	0.0	0.0
452	4/23/2019	11:17:45	0.0	0.0	0.0	0.0
453	4/23/2019	11:18:15	0.0	0.0	0.0	0.0
Peak		0.0	0.1	0.2	0.1	
Min		0.0	0.0	0.0	0.0	
Average			0.0	0.0	0.0	0.0

****

TWA/STEL

Index		PID(ppm) Date/Time	PID(ppm) (TWA)	(STEL)
001	4/23/2019	07:32:15	0.0	---
002	4/23/2019	07:32:45	0.0	---
003	4/23/2019	07:33:15	0.0	---
004	4/23/2019	07:33:45	0.0	---
005	4/23/2019	07:34:15	0.0	---
006	4/23/2019	07:34:45	0.0	---
007	4/23/2019	07:35:15	0.0	---
008	4/23/2019	07:35:45	0.0	---
009	4/23/2019	07:36:15	0.0	---
010	4/23/2019	07:36:45	0.0	---
011	4/23/2019	07:37:15	0.0	---
012	4/23/2019	07:37:45	0.0	---
013	4/23/2019	07:38:15	0.0	---
014	4/23/2019	07:38:45	0.0	---
015	4/23/2019	07:39:15	0.0	---
016	4/23/2019	07:39:45	0.0	---
017	4/23/2019	07:40:15	0.0	---
018	4/23/2019	07:40:45	0.0	---
019	4/23/2019	07:41:15	0.0	---
020	4/23/2019	07:41:45	0.0	---
021	4/23/2019	07:42:15	0.0	---
022	4/23/2019	07:42:45	0.0	---
023	4/23/2019	07:43:15	0.0	---
024	4/23/2019	07:43:45	0.0	---
025	4/23/2019	07:44:15	0.0	---
026	4/23/2019	07:44:45	0.0	---
027	4/23/2019	07:45:15	0.0	---
028	4/23/2019	07:45:45	0.0	---
029	4/23/2019	07:46:15	0.0	---
030	4/23/2019	07:46:45	0.0	0.0
031	4/23/2019	07:47:15	0.0	0.0
032	4/23/2019	07:47:45	0.0	0.0
033	4/23/2019	07:48:15	0.0	0.0
034	4/23/2019	07:48:45	0.0	0.0
035	4/23/2019	07:49:15	0.0	0.0
036	4/23/2019	07:49:45	0.0	0.0

037	4/23/2019 07:50:15	0.0	0.0
038	4/23/2019 07:50:45	0.0	0.0
039	4/23/2019 07:51:15	0.0	0.0
040	4/23/2019 07:51:45	0.0	0.0
041	4/23/2019 07:52:15	0.0	0.0
042	4/23/2019 07:52:45	0.0	0.0
043	4/23/2019 07:53:15	0.0	0.0
044	4/23/2019 07:53:45	0.0	0.0
045	4/23/2019 07:54:15	0.0	0.0
046	4/23/2019 07:54:45	0.0	0.0
047	4/23/2019 07:55:15	0.0	0.0
048	4/23/2019 07:55:45	0.0	0.0
049	4/23/2019 07:56:15	0.0	0.0
050	4/23/2019 07:56:45	0.0	0.0
051	4/23/2019 07:57:15	0.0	0.0
052	4/23/2019 07:57:45	0.0	0.0
053	4/23/2019 07:58:15	0.0	0.0
054	4/23/2019 07:58:45	0.0	0.0
055	4/23/2019 07:59:15	0.0	0.0
056	4/23/2019 07:59:45	0.0	0.0
057	4/23/2019 08:00:15	0.0	0.0
058	4/23/2019 08:00:45	0.0	0.0
059	4/23/2019 08:01:15	0.0	0.0
060	4/23/2019 08:01:45	0.0	0.0
061	4/23/2019 08:02:15	0.0	0.0
062	4/23/2019 08:02:45	0.0	0.0
063	4/23/2019 08:03:15	0.0	0.0
064	4/23/2019 08:03:45	0.0	0.0
065	4/23/2019 08:04:15	0.0	0.0
066	4/23/2019 08:04:45	0.0	0.0
067	4/23/2019 08:05:15	0.0	0.0
068	4/23/2019 08:05:45	0.0	0.0
069	4/23/2019 08:06:15	0.0	0.0
070	4/23/2019 08:06:45	0.0	0.0
071	4/23/2019 08:07:15	0.0	0.0
072	4/23/2019 08:07:45	0.0	0.0
073	4/23/2019 08:08:15	0.0	0.0
074	4/23/2019 08:08:45	0.0	0.0
075	4/23/2019 08:09:15	0.0	0.0
076	4/23/2019 08:09:45	0.0	0.0
077	4/23/2019 08:10:15	0.0	0.0
078	4/23/2019 08:10:45	0.0	0.0
079	4/23/2019 08:11:15	0.0	0.0
080	4/23/2019 08:11:45	0.0	0.0
081	4/23/2019 08:12:15	0.0	0.0
082	4/23/2019 08:12:45	0.0	0.0
083	4/23/2019 08:13:15	0.0	0.0
084	4/23/2019 08:13:45	0.0	0.0
085	4/23/2019 08:14:15	0.0	0.0
086	4/23/2019 08:14:45	0.0	0.0
087	4/23/2019 08:15:15	0.0	0.0
088	4/23/2019 08:15:45	0.0	0.0
089	4/23/2019 08:16:15	0.0	0.0
090	4/23/2019 08:16:45	0.0	0.0
091	4/23/2019 08:17:15	0.0	0.0
092	4/23/2019 08:17:45	0.0	0.0
093	4/23/2019 08:18:15	0.0	0.0

094	4/23/2019 08:18:45	0.0	0.0
095	4/23/2019 08:19:15	0.0	0.0
096	4/23/2019 08:19:45	0.0	0.0
097	4/23/2019 08:20:15	0.0	0.0
098	4/23/2019 08:20:45	0.0	0.0
099	4/23/2019 08:21:15	0.0	0.0
100	4/23/2019 08:21:45	0.0	0.0
101	4/23/2019 08:22:15	0.0	0.0
102	4/23/2019 08:22:45	0.0	0.0
103	4/23/2019 08:23:15	0.0	0.0
104	4/23/2019 08:23:45	0.0	0.0
105	4/23/2019 08:24:15	0.0	0.0
106	4/23/2019 08:24:45	0.0	0.0
107	4/23/2019 08:25:15	0.0	0.0
108	4/23/2019 08:25:45	0.0	0.0
109	4/23/2019 08:26:15	0.0	0.0
110	4/23/2019 08:26:45	0.0	0.0
111	4/23/2019 08:27:15	0.0	0.0
112	4/23/2019 08:27:45	0.0	0.0
113	4/23/2019 08:28:15	0.0	0.0
114	4/23/2019 08:28:45	0.0	0.0
115	4/23/2019 08:29:15	0.0	0.0
116	4/23/2019 08:29:45	0.0	0.0
117	4/23/2019 08:30:15	0.0	0.0
118	4/23/2019 08:30:45	0.0	0.0
119	4/23/2019 08:31:15	0.0	0.0
120	4/23/2019 08:31:45	0.0	0.0
121	4/23/2019 08:32:15	0.0	0.0
122	4/23/2019 08:32:45	0.0	0.0
123	4/23/2019 08:33:15	0.0	0.0
124	4/23/2019 08:33:45	0.0	0.0
125	4/23/2019 08:34:15	0.0	0.0
126	4/23/2019 08:34:45	0.0	0.0
127	4/23/2019 08:35:15	0.0	0.0
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129	4/23/2019 08:36:15	0.0	0.0
130	4/23/2019 08:36:45	0.0	0.0
131	4/23/2019 08:37:15	0.0	0.0
132	4/23/2019 08:37:45	0.0	0.0
133	4/23/2019 08:38:15	0.0	0.0
134	4/23/2019 08:38:45	0.0	0.0
135	4/23/2019 08:39:15	0.0	0.0
136	4/23/2019 08:39:45	0.0	0.0
137	4/23/2019 08:40:15	0.0	0.0
138	4/23/2019 08:40:45	0.0	0.0
139	4/23/2019 08:41:15	0.0	0.0
140	4/23/2019 08:41:45	0.0	0.0
141	4/23/2019 08:42:15	0.0	0.0
142	4/23/2019 08:42:45	0.0	0.0
143	4/23/2019 08:43:15	0.0	0.0
144	4/23/2019 08:43:45	0.0	0.0
145	4/23/2019 08:44:15	0.0	0.0
146	4/23/2019 08:44:45	0.0	0.0
147	4/23/2019 08:45:15	0.0	0.0
148	4/23/2019 08:45:45	0.0	0.0
149	4/23/2019 08:46:15	0.0	0.0
150	4/23/2019 08:46:45	0.0	0.0

151	4/23/2019 08:47:15	0.0	0.0
152	4/23/2019 08:47:45	0.0	0.0
153	4/23/2019 08:48:15	0.0	0.0
154	4/23/2019 08:48:45	0.0	0.0
155	4/23/2019 08:49:15	0.0	0.0
156	4/23/2019 08:49:45	0.0	0.0
157	4/23/2019 08:50:15	0.0	0.0
158	4/23/2019 08:50:45	0.0	0.0
159	4/23/2019 08:51:15	0.0	0.0
160	4/23/2019 08:51:45	0.0	0.0
161	4/23/2019 08:52:15	0.0	0.0
162	4/23/2019 08:52:45	0.0	0.0
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164	4/23/2019 08:53:45	0.0	0.0
165	4/23/2019 08:54:15	0.0	0.0
166	4/23/2019 08:54:45	0.0	0.0
167	4/23/2019 08:55:15	0.0	0.0
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172	4/23/2019 08:57:45	0.0	0.0
173	4/23/2019 08:58:15	0.0	0.0
174	4/23/2019 08:58:45	0.0	0.0
175	4/23/2019 08:59:15	0.0	0.0
176	4/23/2019 08:59:45	0.0	0.0
177	4/23/2019 09:00:15	0.0	0.0
178	4/23/2019 09:00:45	0.0	0.0
179	4/23/2019 09:01:15	0.0	0.0
180	4/23/2019 09:01:45	0.0	0.0
181	4/23/2019 09:02:15	0.0	0.0
182	4/23/2019 09:02:45	0.0	0.0
183	4/23/2019 09:03:15	0.0	0.0
184	4/23/2019 09:03:45	0.0	0.0
185	4/23/2019 09:04:15	0.0	0.0
186	4/23/2019 09:04:45	0.0	0.0
187	4/23/2019 09:05:15	0.0	0.0
188	4/23/2019 09:05:45	0.0	0.0
189	4/23/2019 09:06:15	0.0	0.0
190	4/23/2019 09:06:45	0.0	0.0
191	4/23/2019 09:07:15	0.0	0.0
192	4/23/2019 09:07:45	0.0	0.0
193	4/23/2019 09:08:15	0.0	0.0
194	4/23/2019 09:08:45	0.0	0.0
195	4/23/2019 09:09:15	0.0	0.0
196	4/23/2019 09:09:45	0.0	0.0
197	4/23/2019 09:10:15	0.0	0.0
198	4/23/2019 09:10:45	0.0	0.0
199	4/23/2019 09:11:15	0.0	0.0
200	4/23/2019 09:11:45	0.0	0.0
201	4/23/2019 09:12:15	0.0	0.0
202	4/23/2019 09:12:45	0.0	0.0
203	4/23/2019 09:13:15	0.0	0.0
204	4/23/2019 09:13:45	0.0	0.0
205	4/23/2019 09:14:15	0.0	0.0
206	4/23/2019 09:14:45	0.0	0.0
207	4/23/2019 09:15:15	0.0	0.0

208	4/23/2019 09:15:45	0.0	0.0
209	4/23/2019 09:16:15	0.0	0.0
210	4/23/2019 09:16:45	0.0	0.0
211	4/23/2019 09:17:15	0.0	0.0
212	4/23/2019 09:17:45	0.0	0.0
213	4/23/2019 09:18:15	0.0	0.0
214	4/23/2019 09:18:45	0.0	0.0
215	4/23/2019 09:19:15	0.0	0.0
216	4/23/2019 09:19:45	0.0	0.0
217	4/23/2019 09:20:15	0.0	0.0
218	4/23/2019 09:20:45	0.0	0.0
219	4/23/2019 09:21:15	0.0	0.0
220	4/23/2019 09:21:45	0.0	0.0
221	4/23/2019 09:22:15	0.0	0.0
222	4/23/2019 09:22:45	0.0	0.0
223	4/23/2019 09:23:15	0.0	0.0
224	4/23/2019 09:23:45	0.0	0.0
225	4/23/2019 09:24:15	0.0	0.0
226	4/23/2019 09:24:45	0.0	0.0
227	4/23/2019 09:25:15	0.0	0.0
228	4/23/2019 09:25:45	0.0	0.0
229	4/23/2019 09:26:15	0.0	0.0
230	4/23/2019 09:26:45	0.0	0.0
231	4/23/2019 09:27:15	0.0	0.0
232	4/23/2019 09:27:45	0.0	0.0
233	4/23/2019 09:28:15	0.0	0.0
234	4/23/2019 09:28:45	0.0	0.0
235	4/23/2019 09:29:15	0.0	0.0
236	4/23/2019 09:29:45	0.0	0.0
237	4/23/2019 09:30:15	0.0	0.0
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239	4/23/2019 09:31:15	0.0	0.0
240	4/23/2019 09:31:45	0.0	0.0
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250	4/23/2019 09:36:45	0.0	0.0
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252	4/23/2019 09:37:45	0.0	0.0
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254	4/23/2019 09:38:45	0.0	0.0
255	4/23/2019 09:39:15	0.0	0.0
256	4/23/2019 09:39:45	0.0	0.0
257	4/23/2019 09:40:15	0.0	0.0
258	4/23/2019 09:40:45	0.0	0.0
259	4/23/2019 09:41:15	0.0	0.0
260	4/23/2019 09:41:45	0.0	0.0
261	4/23/2019 09:42:15	0.0	0.0
262	4/23/2019 09:42:45	0.0	0.0
263	4/23/2019 09:43:15	0.0	0.0
264	4/23/2019 09:43:45	0.0	0.0

265	4/23/2019 09:44:15	0.0	0.0
266	4/23/2019 09:44:45	0.0	0.0
267	4/23/2019 09:45:15	0.0	0.0
268	4/23/2019 09:45:45	0.0	0.0
269	4/23/2019 09:46:15	0.0	0.0
270	4/23/2019 09:46:45	0.0	0.0
271	4/23/2019 09:47:15	0.0	0.0
272	4/23/2019 09:47:45	0.0	0.0
273	4/23/2019 09:48:15	0.0	0.0
274	4/23/2019 09:48:45	0.0	0.0
275	4/23/2019 09:49:15	0.0	0.0
276	4/23/2019 09:49:45	0.0	0.0
277	4/23/2019 09:50:15	0.0	0.0
278	4/23/2019 09:50:45	0.0	0.0
279	4/23/2019 09:51:15	0.0	0.0
280	4/23/2019 09:51:45	0.0	0.0
281	4/23/2019 09:52:15	0.0	0.0
282	4/23/2019 09:52:45	0.0	0.0
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284	4/23/2019 09:53:45	0.0	0.0
285	4/23/2019 09:54:15	0.0	0.0
286	4/23/2019 09:54:45	0.0	0.0
287	4/23/2019 09:55:15	0.0	0.0
288	4/23/2019 09:55:45	0.0	0.0
289	4/23/2019 09:56:15	0.0	0.0
290	4/23/2019 09:56:45	0.0	0.0
291	4/23/2019 09:57:15	0.0	0.0
292	4/23/2019 09:57:45	0.0	0.0
293	4/23/2019 09:58:15	0.0	0.0
294	4/23/2019 09:58:45	0.0	0.0
295	4/23/2019 09:59:15	0.0	0.0
296	4/23/2019 09:59:45	0.0	0.0
297	4/23/2019 10:00:15	0.0	0.0
298	4/23/2019 10:00:45	0.0	0.0
299	4/23/2019 10:01:15	0.0	0.0
300	4/23/2019 10:01:45	0.0	0.0
301	4/23/2019 10:02:15	0.0	0.0
302	4/23/2019 10:02:45	0.0	0.0
303	4/23/2019 10:03:15	0.0	0.0
304	4/23/2019 10:03:45	0.0	0.0
305	4/23/2019 10:04:15	0.0	0.0
306	4/23/2019 10:04:45	0.0	0.0
307	4/23/2019 10:05:15	0.0	0.0
308	4/23/2019 10:05:45	0.0	0.0
309	4/23/2019 10:06:15	0.0	0.0
310	4/23/2019 10:06:45	0.0	0.0
311	4/23/2019 10:07:15	0.0	0.0
312	4/23/2019 10:07:45	0.0	0.0
313	4/23/2019 10:08:15	0.0	0.0
314	4/23/2019 10:08:45	0.0	0.0
315	4/23/2019 10:09:15	0.0	0.0
316	4/23/2019 10:09:45	0.0	0.0
317	4/23/2019 10:10:15	0.0	0.0
318	4/23/2019 10:10:45	0.0	0.0
319	4/23/2019 10:11:15	0.0	0.0
320	4/23/2019 10:11:45	0.0	0.0
321	4/23/2019 10:12:15	0.0	0.0

322	4/23/2019 10:12:45	0.0	0.0
323	4/23/2019 10:13:15	0.0	0.0
324	4/23/2019 10:13:45	0.0	0.0
325	4/23/2019 10:14:15	0.0	0.0
326	4/23/2019 10:14:45	0.0	0.0
327	4/23/2019 10:15:15	0.0	0.0
328	4/23/2019 10:15:45	0.0	0.0
329	4/23/2019 10:16:15	0.0	0.0
330	4/23/2019 10:16:45	0.0	0.0
331	4/23/2019 10:17:15	0.0	0.0
332	4/23/2019 10:17:45	0.0	0.0
333	4/23/2019 10:18:15	0.0	0.0
334	4/23/2019 10:18:45	0.0	0.0
335	4/23/2019 10:19:15	0.0	0.0
336	4/23/2019 10:19:45	0.0	0.0
337	4/23/2019 10:20:15	0.0	0.0
338	4/23/2019 10:20:45	0.0	0.0
339	4/23/2019 10:21:15	0.0	0.0
340	4/23/2019 10:21:45	0.0	0.0
341	4/23/2019 10:22:15	0.0	0.0
342	4/23/2019 10:22:45	0.0	0.0
343	4/23/2019 10:23:15	0.0	0.0
344	4/23/2019 10:23:45	0.0	0.0
345	4/23/2019 10:24:15	0.0	0.0
346	4/23/2019 10:24:45	0.0	0.0
347	4/23/2019 10:25:15	0.0	0.0
348	4/23/2019 10:25:45	0.0	0.0
349	4/23/2019 10:26:15	0.0	0.0
350	4/23/2019 10:26:45	0.0	0.0
351	4/23/2019 10:27:15	0.0	0.0
352	4/23/2019 10:27:45	0.0	0.0
353	4/23/2019 10:28:15	0.0	0.0
354	4/23/2019 10:28:45	0.0	0.0
355	4/23/2019 10:29:15	0.0	0.0
356	4/23/2019 10:29:45	0.0	0.0
357	4/23/2019 10:30:15	0.0	0.0
358	4/23/2019 10:30:45	0.0	0.0
359	4/23/2019 10:31:15	0.0	0.0
360	4/23/2019 10:31:45	0.0	0.0
361	4/23/2019 10:32:15	0.0	0.0
362	4/23/2019 10:32:45	0.0	0.0
363	4/23/2019 10:33:15	0.0	0.0
364	4/23/2019 10:33:45	0.0	0.0
365	4/23/2019 10:34:15	0.0	0.0
366	4/23/2019 10:34:45	0.0	0.0
367	4/23/2019 10:35:15	0.0	0.0
368	4/23/2019 10:35:45	0.0	0.0
369	4/23/2019 10:36:15	0.0	0.0
370	4/23/2019 10:36:45	0.0	0.0
371	4/23/2019 10:37:15	0.0	0.0
372	4/23/2019 10:37:45	0.0	0.0
373	4/23/2019 10:38:15	0.0	0.0
374	4/23/2019 10:38:45	0.0	0.0
375	4/23/2019 10:39:15	0.0	0.0
376	4/23/2019 10:39:45	0.0	0.0
377	4/23/2019 10:40:15	0.0	0.0
378	4/23/2019 10:40:45	0.0	0.0

379	4/23/2019 10:41:15	0.0	0.0
380	4/23/2019 10:41:45	0.0	0.0
381	4/23/2019 10:42:15	0.0	0.0
382	4/23/2019 10:42:45	0.0	0.0
383	4/23/2019 10:43:15	0.0	0.0
384	4/23/2019 10:43:45	0.0	0.0
385	4/23/2019 10:44:15	0.0	0.0
386	4/23/2019 10:44:45	0.0	0.0
387	4/23/2019 10:45:15	0.0	0.0
388	4/23/2019 10:45:45	0.0	0.0
389	4/23/2019 10:46:15	0.0	0.0
390	4/23/2019 10:46:45	0.0	0.0
391	4/23/2019 10:47:15	0.0	0.0
392	4/23/2019 10:47:45	0.0	0.0
393	4/23/2019 10:48:15	0.0	0.0
394	4/23/2019 10:48:45	0.0	0.0
395	4/23/2019 10:49:15	0.0	0.0
396	4/23/2019 10:49:45	0.0	0.0
397	4/23/2019 10:50:15	0.0	0.0
398	4/23/2019 10:50:45	0.0	0.0
399	4/23/2019 10:51:15	0.0	0.0
400	4/23/2019 10:51:45	0.0	0.0
401	4/23/2019 10:52:15	0.0	0.0
402	4/23/2019 10:52:45	0.0	0.0
403	4/23/2019 10:53:15	0.0	0.0
404	4/23/2019 10:53:45	0.0	0.0
405	4/23/2019 10:54:15	0.0	0.0
406	4/23/2019 10:54:45	0.0	0.0
407	4/23/2019 10:55:15	0.0	0.0
408	4/23/2019 10:55:45	0.0	0.0
409	4/23/2019 10:56:15	0.0	0.0
410	4/23/2019 10:56:45	0.0	0.0
411	4/23/2019 10:57:15	0.0	0.0
412	4/23/2019 10:57:45	0.0	0.0
413	4/23/2019 10:58:15	0.0	0.0
414	4/23/2019 10:58:45	0.0	0.0
415	4/23/2019 10:59:15	0.0	0.0
416	4/23/2019 10:59:45	0.0	0.0
417	4/23/2019 11:00:15	0.0	0.0
418	4/23/2019 11:00:45	0.0	0.0
419	4/23/2019 11:01:15	0.0	0.0
420	4/23/2019 11:01:45	0.0	0.0
421	4/23/2019 11:02:15	0.0	0.0
422	4/23/2019 11:02:45	0.0	0.0
423	4/23/2019 11:03:15	0.0	0.0
424	4/23/2019 11:03:45	0.0	0.0
425	4/23/2019 11:04:15	0.0	0.0
426	4/23/2019 11:04:45	0.0	0.0
427	4/23/2019 11:05:15	0.0	0.0
428	4/23/2019 11:05:45	0.0	0.0
429	4/23/2019 11:06:15	0.0	0.0
430	4/23/2019 11:06:45	0.0	0.0
431	4/23/2019 11:07:15	0.0	0.0
432	4/23/2019 11:07:45	0.0	0.0
433	4/23/2019 11:08:15	0.0	0.0
434	4/23/2019 11:08:45	0.0	0.0
435	4/23/2019 11:09:15	0.0	0.0

436 4/23/2019 11:09:45 0.0 0.0
437 4/23/2019 11:10:15 0.0 0.0
438 4/23/2019 11:10:45 0.0 0.0
439 4/23/2019 11:11:15 0.0 0.0
440 4/23/2019 11:11:45 0.0 0.0
441 4/23/2019 11:12:15 0.0 0.0
442 4/23/2019 11:12:45 0.0 0.0
443 4/23/2019 11:13:15 0.0 0.0
444 4/23/2019 11:13:45 0.0 0.0
445 4/23/2019 11:14:15 0.0 0.0
446 4/23/2019 11:14:45 0.0 0.0
447 4/23/2019 11:15:15 0.0 0.0
448 4/23/2019 11:15:45 0.0 0.0
449 4/23/2019 11:16:15 0.0 0.0
450 4/23/2019 11:16:45 0.0 0.0
451 4/23/2019 11:17:15 0.0 0.0
452 4/23/2019 11:17:45 0.0 0.0
453 4/23/2019 11:18:15 0.0 0.0

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19/04/25 14:49

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/25/2019 14:49:55
End 4/25/2019 14:50:01
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/23/2019 07:15

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Datalog

0 record.

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19/04/25 15:35
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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/25/2019 15:35:30
End 4/25/2019 19:15:02
Sample Period(s) 30
Number of Records 439

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/23/2019 07:15
Peak 0.0
Min 0.0
Average 0.0

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Datalog

Index	PID(ppm) Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	4/25/2019 15:36:00	0.0	0.0	0.0	0.0
002	4/25/2019 15:36:30	0.0	0.0	0.0	0.0
003	4/25/2019 15:37:00	0.0	0.0	0.0	0.0
004	4/25/2019 15:37:30	0.0	0.0	0.0	0.0
005	4/25/2019 15:38:00	0.0	0.0	0.0	0.0
006	4/25/2019 15:38:30	0.0	0.0	0.0	0.0
007	4/25/2019 15:39:00	0.0	0.0	0.0	0.0
008	4/25/2019 15:39:30	0.0	0.0	0.0	0.0
009	4/25/2019 15:40:00	0.0	0.0	0.0	0.0
010	4/25/2019 15:40:30	0.0	0.0	0.0	0.0
011	4/25/2019 15:41:00	0.0	0.0	0.0	0.0
012	4/25/2019 15:41:30	0.0	0.0	0.0	0.0
013	4/25/2019 15:42:00	0.0	0.0	0.0	0.0
014	4/25/2019 15:42:30	0.0	0.0	0.0	0.0

015	4/25/2019	15:43:00	0.0	0.0	0.0	0.0
016	4/25/2019	15:43:30	0.0	0.0	0.0	0.0
017	4/25/2019	15:44:00	0.0	0.0	0.0	0.0
018	4/25/2019	15:44:30	0.0	0.0	0.0	0.0
019	4/25/2019	15:45:00	0.0	0.0	0.0	0.0
020	4/25/2019	15:45:30	0.0	0.0	0.0	0.0
021	4/25/2019	15:46:00	0.0	0.0	0.0	0.0
022	4/25/2019	15:46:30	0.0	0.0	0.0	0.0
023	4/25/2019	15:47:00	0.0	0.0	0.0	0.0
024	4/25/2019	15:47:30	0.0	0.0	0.0	0.0
025	4/25/2019	15:48:00	0.0	0.0	0.0	0.0
026	4/25/2019	15:48:30	0.0	0.0	0.0	0.0
027	4/25/2019	15:49:00	0.0	0.0	0.0	0.0
028	4/25/2019	15:49:30	0.0	0.0	0.0	0.0
029	4/25/2019	15:50:00	0.0	0.0	0.0	0.0
030	4/25/2019	15:50:30	0.0	0.0	0.0	0.0
031	4/25/2019	15:51:00	0.0	0.0	0.0	0.0
032	4/25/2019	15:51:30	0.0	0.0	0.0	0.0
033	4/25/2019	15:52:00	0.0	0.0	0.0	0.0
034	4/25/2019	15:52:30	0.0	0.0	0.0	0.0
035	4/25/2019	15:53:00	0.0	0.0	0.0	0.0
036	4/25/2019	15:53:30	0.0	0.0	0.0	0.0
037	4/25/2019	15:54:00	0.0	0.0	0.0	0.0
038	4/25/2019	15:54:30	0.0	0.0	0.0	0.0
039	4/25/2019	15:55:00	0.0	0.0	0.0	0.0
040	4/25/2019	15:55:30	0.0	0.0	0.0	0.0
041	4/25/2019	15:56:00	0.0	0.0	0.0	0.0
042	4/25/2019	15:56:30	0.0	0.0	0.0	0.0
043	4/25/2019	15:57:00	0.0	0.0	0.0	0.0
044	4/25/2019	15:57:30	0.0	0.0	0.0	0.0
045	4/25/2019	15:58:00	0.0	0.0	0.0	0.0
046	4/25/2019	15:58:30	0.0	0.0	0.0	0.0
047	4/25/2019	15:59:00	0.0	0.0	0.0	0.0
048	4/25/2019	15:59:30	0.0	0.0	0.0	0.0
049	4/25/2019	16:00:00	0.0	0.0	0.0	0.0
050	4/25/2019	16:00:30	0.0	0.0	0.0	0.0
051	4/25/2019	16:01:00	0.0	0.0	0.0	0.0
052	4/25/2019	16:01:30	0.0	0.0	0.0	0.0
053	4/25/2019	16:02:00	0.0	0.0	0.0	0.0
054	4/25/2019	16:02:30	0.0	0.0	0.0	0.0
055	4/25/2019	16:03:00	0.0	0.0	0.0	0.0
056	4/25/2019	16:03:30	0.0	0.0	0.0	0.0
057	4/25/2019	16:04:00	0.0	0.0	0.0	0.0
058	4/25/2019	16:04:30	0.0	0.0	0.0	0.0
059	4/25/2019	16:05:00	0.0	0.0	0.0	0.0
060	4/25/2019	16:05:30	0.0	0.0	0.0	0.0
061	4/25/2019	16:06:00	0.0	0.0	0.0	0.0
062	4/25/2019	16:06:30	0.0	0.0	0.0	0.0
063	4/25/2019	16:07:00	0.0	0.0	0.0	0.0
064	4/25/2019	16:07:30	0.0	0.0	0.0	0.0
065	4/25/2019	16:08:00	0.0	0.0	0.0	0.0
066	4/25/2019	16:08:30	0.0	0.0	0.0	0.0
067	4/25/2019	16:09:00	0.0	0.0	0.0	0.0
068	4/25/2019	16:09:30	0.0	0.0	0.0	0.0
069	4/25/2019	16:10:00	0.0	0.0	0.0	0.0
070	4/25/2019	16:10:30	0.0	0.0	0.0	0.0
071	4/25/2019	16:11:00	0.0	0.0	0.0	0.0

072	4/25/2019	16:11:30	0.0	0.0	0.0	0.0
073	4/25/2019	16:12:00	0.0	0.0	0.0	0.0
074	4/25/2019	16:12:30	0.0	0.0	0.0	0.0
075	4/25/2019	16:13:00	0.0	0.0	0.0	0.0
076	4/25/2019	16:13:30	0.0	0.0	0.0	0.0
077	4/25/2019	16:14:00	0.0	0.0	0.0	0.0
078	4/25/2019	16:14:30	0.0	0.0	0.0	0.0
079	4/25/2019	16:15:00	0.0	0.0	0.0	0.0
080	4/25/2019	16:15:30	0.0	0.0	0.0	0.0
081	4/25/2019	16:16:00	0.0	0.0	0.0	0.0
082	4/25/2019	16:16:30	0.0	0.0	0.0	0.0
083	4/25/2019	16:17:00	0.0	0.0	0.0	0.0
084	4/25/2019	16:17:30	0.0	0.0	0.0	0.0
085	4/25/2019	16:18:00	0.0	0.0	0.0	0.0
086	4/25/2019	16:18:30	0.0	0.0	0.0	0.0
087	4/25/2019	16:19:00	0.0	0.0	0.0	0.0
088	4/25/2019	16:19:30	0.0	0.0	0.0	0.0
089	4/25/2019	16:20:00	0.0	0.0	0.0	0.0
090	4/25/2019	16:20:30	0.0	0.0	0.0	0.0
091	4/25/2019	16:21:00	0.0	0.0	0.0	0.0
092	4/25/2019	16:21:30	0.0	0.0	0.0	0.0
093	4/25/2019	16:22:00	0.0	0.0	0.0	0.0
094	4/25/2019	16:22:30	0.0	0.0	0.0	0.0
095	4/25/2019	16:23:00	0.0	0.0	0.0	0.0
096	4/25/2019	16:23:30	0.0	0.0	0.0	0.0
097	4/25/2019	16:24:00	0.0	0.0	0.0	0.0
098	4/25/2019	16:24:30	0.0	0.0	0.0	0.0
099	4/25/2019	16:25:00	0.0	0.0	0.0	0.0
100	4/25/2019	16:25:30	0.0	0.0	0.0	0.0
101	4/25/2019	16:26:00	0.0	0.0	0.0	0.0
102	4/25/2019	16:26:30	0.0	0.0	0.0	0.0
103	4/25/2019	16:27:00	0.0	0.0	0.0	0.0
104	4/25/2019	16:27:30	0.0	0.0	0.0	0.0
105	4/25/2019	16:28:00	0.0	0.0	0.0	0.0
106	4/25/2019	16:28:30	0.0	0.0	0.0	0.0
107	4/25/2019	16:29:00	0.0	0.0	0.0	0.0
108	4/25/2019	16:29:30	0.0	0.0	0.0	0.0
109	4/25/2019	16:30:00	0.0	0.0	0.0	0.0
110	4/25/2019	16:30:30	0.0	0.0	0.0	0.0
111	4/25/2019	16:31:00	0.0	0.0	0.0	0.0
112	4/25/2019	16:31:30	0.0	0.0	0.0	0.0
113	4/25/2019	16:32:00	0.0	0.0	0.0	0.0
114	4/25/2019	16:32:30	0.0	0.0	0.0	0.0
115	4/25/2019	16:33:00	0.0	0.0	0.0	0.0
116	4/25/2019	16:33:30	0.0	0.0	0.0	0.0
117	4/25/2019	16:34:00	0.0	0.0	0.0	0.0
118	4/25/2019	16:34:30	0.0	0.0	0.0	0.0
119	4/25/2019	16:35:00	0.0	0.0	0.0	0.0
120	4/25/2019	16:35:30	0.0	0.0	0.0	0.0
121	4/25/2019	16:36:00	0.0	0.0	0.0	0.0
122	4/25/2019	16:36:30	0.0	0.0	0.0	0.0
123	4/25/2019	16:37:00	0.0	0.0	0.0	0.0
124	4/25/2019	16:37:30	0.0	0.0	0.0	0.0
125	4/25/2019	16:38:00	0.0	0.0	0.0	0.0
126	4/25/2019	16:38:30	0.0	0.0	0.0	0.0
127	4/25/2019	16:39:00	0.0	0.0	0.0	0.0
128	4/25/2019	16:39:30	0.0	0.0	0.0	0.0

129	4/25/2019	16:40:00	0.0	0.0	0.0	0.0
130	4/25/2019	16:40:30	0.0	0.0	0.0	0.0
131	4/25/2019	16:41:00	0.0	0.0	0.0	0.0
132	4/25/2019	16:41:30	0.0	0.0	0.0	0.0
133	4/25/2019	16:42:00	0.0	0.0	0.0	0.0
134	4/25/2019	16:42:30	0.0	0.0	0.0	0.0
135	4/25/2019	16:43:00	0.0	0.0	0.0	0.0
136	4/25/2019	16:43:30	0.0	0.0	0.0	0.0
137	4/25/2019	16:44:00	0.0	0.0	0.0	0.0
138	4/25/2019	16:44:30	0.0	0.0	0.0	0.0
139	4/25/2019	16:45:00	0.0	0.0	0.0	0.0
140	4/25/2019	16:45:30	0.0	0.0	0.0	0.0
141	4/25/2019	16:46:00	0.0	0.0	0.0	0.0
142	4/25/2019	16:46:30	0.0	0.0	0.0	0.0
143	4/25/2019	16:47:00	0.0	0.0	0.0	0.0
144	4/25/2019	16:47:30	0.0	0.0	0.0	0.0
145	4/25/2019	16:48:00	0.0	0.0	0.0	0.0
146	4/25/2019	16:48:30	0.0	0.0	0.0	0.0
147	4/25/2019	16:49:00	0.0	0.0	0.0	0.0
148	4/25/2019	16:49:30	0.0	0.0	0.0	0.0
149	4/25/2019	16:50:00	0.0	0.0	0.0	0.0
150	4/25/2019	16:50:30	0.0	0.0	0.0	0.0
151	4/25/2019	16:51:00	0.0	0.0	0.0	0.0
152	4/25/2019	16:51:30	0.0	0.0	0.0	0.0
153	4/25/2019	16:52:00	0.0	0.0	0.0	0.0
154	4/25/2019	16:52:30	0.0	0.0	0.0	0.0
155	4/25/2019	16:53:00	0.0	0.0	0.0	0.0
156	4/25/2019	16:53:30	0.0	0.0	0.0	0.0
157	4/25/2019	16:54:00	0.0	0.0	0.0	0.0
158	4/25/2019	16:54:30	0.0	0.0	0.0	0.0
159	4/25/2019	16:55:00	0.0	0.0	0.0	0.0
160	4/25/2019	16:55:30	0.0	0.0	0.0	0.0
161	4/25/2019	16:56:00	0.0	0.0	0.0	0.0
162	4/25/2019	16:56:30	0.0	0.0	0.0	0.0
163	4/25/2019	16:57:00	0.0	0.0	0.0	0.0
164	4/25/2019	16:57:30	0.0	0.0	0.0	0.0
165	4/25/2019	16:58:00	0.0	0.0	0.0	0.0
166	4/25/2019	16:58:30	0.0	0.0	0.0	0.0
167	4/25/2019	16:59:00	0.0	0.0	0.0	0.0
168	4/25/2019	16:59:30	0.0	0.0	0.0	0.0
169	4/25/2019	17:00:00	0.0	0.0	0.0	0.0
170	4/25/2019	17:00:30	0.0	0.0	0.0	0.0
171	4/25/2019	17:01:00	0.0	0.0	0.0	0.0
172	4/25/2019	17:01:30	0.0	0.0	0.0	0.0
173	4/25/2019	17:02:00	0.0	0.0	0.0	0.0
174	4/25/2019	17:02:30	0.0	0.0	0.0	0.0
175	4/25/2019	17:03:00	0.0	0.0	0.0	0.0
176	4/25/2019	17:03:30	0.0	0.0	0.0	0.0
177	4/25/2019	17:04:00	0.0	0.0	0.0	0.0
178	4/25/2019	17:04:30	0.0	0.0	0.0	0.0
179	4/25/2019	17:05:00	0.0	0.0	0.0	0.0
180	4/25/2019	17:05:30	0.0	0.0	0.0	0.0
181	4/25/2019	17:06:00	0.0	0.0	0.0	0.0
182	4/25/2019	17:06:30	0.0	0.0	0.0	0.0
183	4/25/2019	17:07:00	0.0	0.0	0.0	0.0
184	4/25/2019	17:07:30	0.0	0.0	0.0	0.0
185	4/25/2019	17:08:00	0.0	0.0	0.0	0.0

186	4/25/2019 17:08:30	0.0	0.0	0.0	0.0
187	4/25/2019 17:09:00	0.0	0.0	0.0	0.0
188	4/25/2019 17:09:30	0.0	0.0	0.0	0.0
189	4/25/2019 17:10:00	0.0	0.0	0.0	0.0
190	4/25/2019 17:10:30	0.0	0.0	0.0	0.0
191	4/25/2019 17:11:00	0.0	0.0	0.0	0.0
192	4/25/2019 17:11:30	0.0	0.0	0.0	0.0
193	4/25/2019 17:12:00	0.0	0.0	0.0	0.0
194	4/25/2019 17:12:30	0.0	0.0	0.0	0.0
195	4/25/2019 17:13:00	0.0	0.0	0.0	0.0
196	4/25/2019 17:13:30	0.0	0.0	0.0	0.0
197	4/25/2019 17:14:00	0.0	0.0	0.0	0.0
198	4/25/2019 17:14:30	0.0	0.0	0.0	0.0
199	4/25/2019 17:15:00	0.0	0.0	0.0	0.0
200	4/25/2019 17:15:30	0.0	0.0	0.0	0.0
201	4/25/2019 17:16:00	0.0	0.0	0.0	0.0
202	4/25/2019 17:16:30	0.0	0.0	0.0	0.0
203	4/25/2019 17:17:00	0.0	0.0	0.0	0.0
204	4/25/2019 17:17:30	0.0	0.0	0.0	0.0
205	4/25/2019 17:18:00	0.0	0.0	0.0	0.0
206	4/25/2019 17:18:30	0.0	0.0	0.0	0.0
207	4/25/2019 17:19:00	0.0	0.0	0.0	0.0
208	4/25/2019 17:19:30	0.0	0.0	0.0	0.0
209	4/25/2019 17:20:00	0.0	0.0	0.0	0.0
210	4/25/2019 17:20:30	0.0	0.0	0.0	0.0
211	4/25/2019 17:21:00	0.0	0.0	0.0	0.0
212	4/25/2019 17:21:30	0.0	0.0	0.0	0.0
213	4/25/2019 17:22:00	0.0	0.0	0.0	0.0
214	4/25/2019 17:22:30	0.0	0.0	0.0	0.0
215	4/25/2019 17:23:00	0.0	0.0	0.0	0.0
216	4/25/2019 17:23:30	0.0	0.0	0.0	0.0
217	4/25/2019 17:24:00	0.0	0.0	0.0	0.0
218	4/25/2019 17:24:30	0.0	0.0	0.0	0.0
219	4/25/2019 17:25:00	0.0	0.0	0.0	0.0
220	4/25/2019 17:25:30	0.0	0.0	0.0	0.0
221	4/25/2019 17:26:00	0.0	0.0	0.0	0.0
222	4/25/2019 17:26:30	0.0	0.0	0.0	0.0
223	4/25/2019 17:27:00	0.0	0.0	0.0	0.0
224	4/25/2019 17:27:30	0.0	0.0	0.0	0.0
225	4/25/2019 17:28:00	0.0	0.0	0.0	0.0
226	4/25/2019 17:28:30	0.0	0.0	0.0	0.0
227	4/25/2019 17:29:00	0.0	0.0	0.0	0.0
228	4/25/2019 17:29:30	0.0	0.0	0.0	0.0
229	4/25/2019 17:30:00	0.0	0.0	0.0	0.0
230	4/25/2019 17:30:30	0.0	0.0	0.0	0.0
231	4/25/2019 17:31:00	0.0	0.0	0.0	0.0
232	4/25/2019 17:31:30	0.0	0.0	0.0	0.0
233	4/25/2019 17:32:00	0.0	0.0	0.0	0.0
234	4/25/2019 17:32:30	0.0	0.0	0.0	0.0
235	4/25/2019 17:33:00	0.0	0.0	0.0	0.0
236	4/25/2019 17:33:30	0.0	0.0	0.0	0.0
237	4/25/2019 17:34:00	0.0	0.0	0.0	0.0
238	4/25/2019 17:34:30	0.0	0.0	0.0	0.0
239	4/25/2019 17:35:00	0.0	0.0	0.0	0.0
240	4/25/2019 17:35:30	0.0	0.0	0.0	0.0
241	4/25/2019 17:36:00	0.0	0.0	0.0	0.0
242	4/25/2019 17:36:30	0.0	0.0	0.0	0.0

243	4/25/2019	17:37:00	0.0	0.0	0.0	0.0
244	4/25/2019	17:37:30	0.0	0.0	0.0	0.0
245	4/25/2019	17:38:00	0.0	0.0	0.0	0.0
246	4/25/2019	17:38:30	0.0	0.0	0.0	0.0
247	4/25/2019	17:39:00	0.0	0.0	0.0	0.0
248	4/25/2019	17:39:30	0.0	0.0	0.0	0.0
249	4/25/2019	17:40:00	0.0	0.0	0.0	0.0
250	4/25/2019	17:40:30	0.0	0.0	0.0	0.0
251	4/25/2019	17:41:00	0.0	0.0	0.0	0.0
252	4/25/2019	17:41:30	0.0	0.0	0.0	0.0
253	4/25/2019	17:42:00	0.0	0.0	0.0	0.0
254	4/25/2019	17:42:30	0.0	0.0	0.0	0.0
255	4/25/2019	17:43:00	0.0	0.0	0.0	0.0
256	4/25/2019	17:43:30	0.0	0.0	0.0	0.0
257	4/25/2019	17:44:00	0.0	0.0	0.0	0.0
258	4/25/2019	17:44:30	0.0	0.0	0.0	0.0
259	4/25/2019	17:45:00	0.0	0.0	0.0	0.0
260	4/25/2019	17:45:30	0.0	0.0	0.0	0.0
261	4/25/2019	17:46:00	0.0	0.0	0.0	0.0
262	4/25/2019	17:46:30	0.0	0.0	0.0	0.0
263	4/25/2019	17:47:00	0.0	0.0	0.0	0.0
264	4/25/2019	17:47:30	0.0	0.0	0.0	0.0
265	4/25/2019	17:48:00	0.0	0.0	0.0	0.0
266	4/25/2019	17:48:30	0.0	0.0	0.0	0.0
267	4/25/2019	17:49:00	0.0	0.0	0.0	0.0
268	4/25/2019	17:49:30	0.0	0.0	0.0	0.0
269	4/25/2019	17:50:00	0.0	0.0	0.0	0.0
270	4/25/2019	17:50:30	0.0	0.0	0.0	0.0
271	4/25/2019	17:51:00	0.0	0.0	0.0	0.0
272	4/25/2019	17:51:30	0.0	0.0	0.0	0.0
273	4/25/2019	17:52:00	0.0	0.0	0.0	0.0
274	4/25/2019	17:52:30	0.0	0.0	0.0	0.0
275	4/25/2019	17:53:00	0.0	0.0	0.0	0.0
276	4/25/2019	17:53:30	0.0	0.0	0.0	0.0
277	4/25/2019	17:54:00	0.0	0.0	0.0	0.0
278	4/25/2019	17:54:30	0.0	0.0	0.0	0.0
279	4/25/2019	17:55:00	0.0	0.0	0.0	0.0
280	4/25/2019	17:55:30	0.0	0.0	0.0	0.0
281	4/25/2019	17:56:00	0.0	0.0	0.0	0.0
282	4/25/2019	17:56:30	0.0	0.0	0.0	0.0
283	4/25/2019	17:57:00	0.0	0.0	0.0	0.0
284	4/25/2019	17:57:30	0.0	0.0	0.0	0.0
285	4/25/2019	17:58:00	0.0	0.0	0.0	0.0
286	4/25/2019	17:58:30	0.0	0.0	0.0	0.0
287	4/25/2019	17:59:00	0.0	0.0	0.0	0.0
288	4/25/2019	17:59:30	0.0	0.0	0.0	0.0
289	4/25/2019	18:00:00	0.0	0.0	0.0	0.0
290	4/25/2019	18:00:30	0.0	0.0	0.0	0.0
291	4/25/2019	18:01:00	0.0	0.0	0.0	0.0
292	4/25/2019	18:01:30	0.0	0.0	0.0	0.0
293	4/25/2019	18:02:00	0.0	0.0	0.0	0.0
294	4/25/2019	18:02:30	0.0	0.0	0.0	0.0
295	4/25/2019	18:03:00	0.0	0.0	0.0	0.0
296	4/25/2019	18:03:30	0.0	0.0	0.0	0.0
297	4/25/2019	18:04:00	0.0	0.0	0.0	0.0
298	4/25/2019	18:04:30	0.0	0.0	0.0	0.0
299	4/25/2019	18:05:00	0.0	0.0	0.0	0.0

300	4/25/2019	18:05:30	0.0	0.0	0.0	0.0
301	4/25/2019	18:06:00	0.0	0.0	0.0	0.0
302	4/25/2019	18:06:30	0.0	0.0	0.0	0.0
303	4/25/2019	18:07:00	0.0	0.0	0.0	0.0
304	4/25/2019	18:07:30	0.0	0.0	0.0	0.0
305	4/25/2019	18:08:00	0.0	0.0	0.0	0.0
306	4/25/2019	18:08:30	0.0	0.0	0.0	0.0
307	4/25/2019	18:09:00	0.0	0.0	0.0	0.0
308	4/25/2019	18:09:30	0.0	0.0	0.0	0.0
309	4/25/2019	18:10:00	0.0	0.0	0.0	0.0
310	4/25/2019	18:10:30	0.0	0.0	0.0	0.0
311	4/25/2019	18:11:00	0.0	0.0	0.0	0.0
312	4/25/2019	18:11:30	0.0	0.0	0.0	0.0
313	4/25/2019	18:12:00	0.0	0.0	0.0	0.0
314	4/25/2019	18:12:30	0.0	0.0	0.0	0.0
315	4/25/2019	18:13:00	0.0	0.0	0.0	0.0
316	4/25/2019	18:13:30	0.0	0.0	0.0	0.0
317	4/25/2019	18:14:00	0.0	0.0	0.0	0.0
318	4/25/2019	18:14:30	0.0	0.0	0.0	0.0
319	4/25/2019	18:15:00	0.0	0.0	0.0	0.0
320	4/25/2019	18:15:30	0.0	0.0	0.0	0.0
321	4/25/2019	18:16:00	0.0	0.0	0.0	0.0
322	4/25/2019	18:16:30	0.0	0.0	0.0	0.0
323	4/25/2019	18:17:00	0.0	0.0	0.0	0.0
324	4/25/2019	18:17:30	0.0	0.0	0.0	0.0
325	4/25/2019	18:18:00	0.0	0.0	0.0	0.0
326	4/25/2019	18:18:30	0.0	0.0	0.0	0.0
327	4/25/2019	18:19:00	0.0	0.0	0.0	0.0
328	4/25/2019	18:19:30	0.0	0.0	0.0	0.0
329	4/25/2019	18:20:00	0.0	0.0	0.0	0.0
330	4/25/2019	18:20:30	0.0	0.0	0.0	0.0
331	4/25/2019	18:21:00	0.0	0.0	0.0	0.0
332	4/25/2019	18:21:30	0.0	0.0	0.0	0.0
333	4/25/2019	18:22:00	0.0	0.0	0.0	0.0
334	4/25/2019	18:22:30	0.0	0.0	0.0	0.0
335	4/25/2019	18:23:00	0.0	0.0	0.0	0.0
336	4/25/2019	18:23:30	0.0	0.0	0.0	0.0
337	4/25/2019	18:24:00	0.0	0.0	0.0	0.0
338	4/25/2019	18:24:30	0.0	0.0	0.0	0.0
339	4/25/2019	18:25:00	0.0	0.0	0.0	0.0
340	4/25/2019	18:25:30	0.0	0.0	0.0	0.0
341	4/25/2019	18:26:00	0.0	0.0	0.0	0.0
342	4/25/2019	18:26:30	0.0	0.0	0.0	0.0
343	4/25/2019	18:27:00	0.0	0.0	0.0	0.0
344	4/25/2019	18:27:30	0.0	0.0	0.0	0.0
345	4/25/2019	18:28:00	0.0	0.0	0.0	0.0
346	4/25/2019	18:28:30	0.0	0.0	0.0	0.0
347	4/25/2019	18:29:00	0.0	0.0	0.0	0.0
348	4/25/2019	18:29:30	0.0	0.0	0.0	0.0
349	4/25/2019	18:30:00	0.0	0.0	0.0	0.0
350	4/25/2019	18:30:30	0.0	0.0	0.0	0.0
351	4/25/2019	18:31:00	0.0	0.0	0.0	0.0
352	4/25/2019	18:31:30	0.0	0.0	0.0	0.0
353	4/25/2019	18:32:00	0.0	0.0	0.0	0.0
354	4/25/2019	18:32:30	0.0	0.0	0.0	0.0
355	4/25/2019	18:33:00	0.0	0.0	0.0	0.0
356	4/25/2019	18:33:30	0.0	0.0	0.0	0.0

357	4/25/2019	18:34:00	0.0	0.0	0.0	0.0
358	4/25/2019	18:34:30	0.0	0.0	0.0	0.0
359	4/25/2019	18:35:00	0.0	0.0	0.0	0.0
360	4/25/2019	18:35:30	0.0	0.0	0.0	0.0
361	4/25/2019	18:36:00	0.0	0.0	0.0	0.0
362	4/25/2019	18:36:30	0.0	0.0	0.0	0.0
363	4/25/2019	18:37:00	0.0	0.0	0.0	0.0
364	4/25/2019	18:37:30	0.0	0.0	0.0	0.0
365	4/25/2019	18:38:00	0.0	0.0	0.0	0.0
366	4/25/2019	18:38:30	0.0	0.0	0.0	0.0
367	4/25/2019	18:39:00	0.0	0.0	0.0	0.0
368	4/25/2019	18:39:30	0.0	0.0	0.0	0.0
369	4/25/2019	18:40:00	0.0	0.0	0.0	0.0
370	4/25/2019	18:40:30	0.0	0.0	0.0	0.0
371	4/25/2019	18:41:00	0.0	0.0	0.0	0.0
372	4/25/2019	18:41:30	0.0	0.0	0.0	0.0
373	4/25/2019	18:42:00	0.0	0.0	0.0	0.0
374	4/25/2019	18:42:30	0.0	0.0	0.0	0.0
375	4/25/2019	18:43:00	0.0	0.0	0.0	0.0
376	4/25/2019	18:43:30	0.0	0.0	0.0	0.0
377	4/25/2019	18:44:00	0.0	0.0	0.0	0.0
378	4/25/2019	18:44:30	0.0	0.0	0.0	0.0
379	4/25/2019	18:45:00	0.0	0.0	0.0	0.0
380	4/25/2019	18:45:30	0.0	0.0	0.0	0.0
381	4/25/2019	18:46:00	0.0	0.0	0.0	0.0
382	4/25/2019	18:46:30	0.0	0.0	0.0	0.0
383	4/25/2019	18:47:00	0.0	0.0	0.0	0.0
384	4/25/2019	18:47:30	0.0	0.0	0.0	0.0
385	4/25/2019	18:48:00	0.0	0.0	0.0	0.0
386	4/25/2019	18:48:30	0.0	0.0	0.0	0.0
387	4/25/2019	18:49:00	0.0	0.0	0.0	0.0
388	4/25/2019	18:49:30	0.0	0.0	0.0	0.0
389	4/25/2019	18:50:00	0.0	0.0	0.0	0.0
390	4/25/2019	18:50:30	0.0	0.0	0.0	0.0
391	4/25/2019	18:51:00	0.0	0.0	0.0	0.0
392	4/25/2019	18:51:30	0.0	0.0	0.0	0.0
393	4/25/2019	18:52:00	0.0	0.0	0.0	0.0
394	4/25/2019	18:52:30	0.0	0.0	0.0	0.0
395	4/25/2019	18:53:00	0.0	0.0	0.0	0.0
396	4/25/2019	18:53:30	0.0	0.0	0.0	0.0
397	4/25/2019	18:54:00	0.0	0.0	0.0	0.0
398	4/25/2019	18:54:30	0.0	0.0	0.0	0.0
399	4/25/2019	18:55:00	0.0	0.0	0.0	0.0
400	4/25/2019	18:55:30	0.0	0.0	0.0	0.0
401	4/25/2019	18:56:00	0.0	0.0	0.0	0.0
402	4/25/2019	18:56:30	0.0	0.0	0.0	0.0
403	4/25/2019	18:57:00	0.0	0.0	0.0	0.0
404	4/25/2019	18:57:30	0.0	0.0	0.0	0.0
405	4/25/2019	18:58:00	0.0	0.0	0.0	0.0
406	4/25/2019	18:58:30	0.0	0.0	0.0	0.0
407	4/25/2019	18:59:00	0.0	0.0	0.0	0.0
408	4/25/2019	18:59:30	0.0	0.0	0.0	0.0
409	4/25/2019	19:00:00	0.0	0.0	0.0	0.0
410	4/25/2019	19:00:30	0.0	0.0	0.0	0.0
411	4/25/2019	19:01:00	0.0	0.0	0.0	0.0
412	4/25/2019	19:01:30	0.0	0.0	0.0	0.0
413	4/25/2019	19:02:00	0.0	0.0	0.0	0.0

414	4/25/2019	19:02:30	0.0	0.0	0.0	0.0
415	4/25/2019	19:03:00	0.0	0.0	0.0	0.0
416	4/25/2019	19:03:30	0.0	0.0	0.0	0.0
417	4/25/2019	19:04:00	0.0	0.0	0.0	0.0
418	4/25/2019	19:04:30	0.0	0.0	0.0	0.0
419	4/25/2019	19:05:00	0.0	0.0	0.0	0.0
420	4/25/2019	19:05:30	0.0	0.0	0.0	0.0
421	4/25/2019	19:06:00	0.0	0.0	0.0	0.0
422	4/25/2019	19:06:30	0.0	0.0	0.0	0.0
423	4/25/2019	19:07:00	0.0	0.0	0.0	0.0
424	4/25/2019	19:07:30	0.0	0.0	0.0	0.0
425	4/25/2019	19:08:00	0.0	0.0	0.0	0.0
426	4/25/2019	19:08:30	0.0	0.0	0.0	0.0
427	4/25/2019	19:09:00	0.0	0.0	0.0	0.0
428	4/25/2019	19:09:30	0.0	0.0	0.0	0.0
429	4/25/2019	19:10:00	0.0	0.0	0.0	0.0
430	4/25/2019	19:10:30	0.0	0.0	0.0	0.0
431	4/25/2019	19:11:00	0.0	0.0	0.0	0.0
432	4/25/2019	19:11:30	0.0	0.0	0.0	0.0
433	4/25/2019	19:12:00	0.0	0.0	0.0	0.0
434	4/25/2019	19:12:30	0.0	0.0	0.0	0.0
435	4/25/2019	19:13:00	0.0	0.0	0.0	0.0
436	4/25/2019	19:13:30	0.0	0.0	0.0	0.0
437	4/25/2019	19:14:00	0.0	0.0	0.0	0.0
438	4/25/2019	19:14:30	0.0	0.0	0.0	0.0
439	4/25/2019	19:15:00	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

****

TWA/STEL

Index	PID(ppm) Date/Time		PID(ppm) (TWA)	(STEL)
001	4/25/2019	15:36:00	0.0	---
002	4/25/2019	15:36:30	0.0	---
003	4/25/2019	15:37:00	0.0	---
004	4/25/2019	15:37:30	0.0	---
005	4/25/2019	15:38:00	0.0	---
006	4/25/2019	15:38:30	0.0	---
007	4/25/2019	15:39:00	0.0	---
008	4/25/2019	15:39:30	0.0	---
009	4/25/2019	15:40:00	0.0	---
010	4/25/2019	15:40:30	0.0	---
011	4/25/2019	15:41:00	0.0	---
012	4/25/2019	15:41:30	0.0	---
013	4/25/2019	15:42:00	0.0	---
014	4/25/2019	15:42:30	0.0	---
015	4/25/2019	15:43:00	0.0	---
016	4/25/2019	15:43:30	0.0	---
017	4/25/2019	15:44:00	0.0	---
018	4/25/2019	15:44:30	0.0	---
019	4/25/2019	15:45:00	0.0	---
020	4/25/2019	15:45:30	0.0	---
021	4/25/2019	15:46:00	0.0	---
022	4/25/2019	15:46:30	0.0	---
023	4/25/2019	15:47:00	0.0	---

024	4/25/2019	15:47:30	0.0	---
025	4/25/2019	15:48:00	0.0	---
026	4/25/2019	15:48:30	0.0	---
027	4/25/2019	15:49:00	0.0	---
028	4/25/2019	15:49:30	0.0	---
029	4/25/2019	15:50:00	0.0	---
030	4/25/2019	15:50:30	0.0	0.0
031	4/25/2019	15:51:00	0.0	0.0
032	4/25/2019	15:51:30	0.0	0.0
033	4/25/2019	15:52:00	0.0	0.0
034	4/25/2019	15:52:30	0.0	0.0
035	4/25/2019	15:53:00	0.0	0.0
036	4/25/2019	15:53:30	0.0	0.0
037	4/25/2019	15:54:00	0.0	0.0
038	4/25/2019	15:54:30	0.0	0.0
039	4/25/2019	15:55:00	0.0	0.0
040	4/25/2019	15:55:30	0.0	0.0
041	4/25/2019	15:56:00	0.0	0.0
042	4/25/2019	15:56:30	0.0	0.0
043	4/25/2019	15:57:00	0.0	0.0
044	4/25/2019	15:57:30	0.0	0.0
045	4/25/2019	15:58:00	0.0	0.0
046	4/25/2019	15:58:30	0.0	0.0
047	4/25/2019	15:59:00	0.0	0.0
048	4/25/2019	15:59:30	0.0	0.0
049	4/25/2019	16:00:00	0.0	0.0
050	4/25/2019	16:00:30	0.0	0.0
051	4/25/2019	16:01:00	0.0	0.0
052	4/25/2019	16:01:30	0.0	0.0
053	4/25/2019	16:02:00	0.0	0.0
054	4/25/2019	16:02:30	0.0	0.0
055	4/25/2019	16:03:00	0.0	0.0
056	4/25/2019	16:03:30	0.0	0.0
057	4/25/2019	16:04:00	0.0	0.0
058	4/25/2019	16:04:30	0.0	0.0
059	4/25/2019	16:05:00	0.0	0.0
060	4/25/2019	16:05:30	0.0	0.0
061	4/25/2019	16:06:00	0.0	0.0
062	4/25/2019	16:06:30	0.0	0.0
063	4/25/2019	16:07:00	0.0	0.0
064	4/25/2019	16:07:30	0.0	0.0
065	4/25/2019	16:08:00	0.0	0.0
066	4/25/2019	16:08:30	0.0	0.0
067	4/25/2019	16:09:00	0.0	0.0
068	4/25/2019	16:09:30	0.0	0.0
069	4/25/2019	16:10:00	0.0	0.0
070	4/25/2019	16:10:30	0.0	0.0
071	4/25/2019	16:11:00	0.0	0.0
072	4/25/2019	16:11:30	0.0	0.0
073	4/25/2019	16:12:00	0.0	0.0
074	4/25/2019	16:12:30	0.0	0.0
075	4/25/2019	16:13:00	0.0	0.0
076	4/25/2019	16:13:30	0.0	0.0
077	4/25/2019	16:14:00	0.0	0.0
078	4/25/2019	16:14:30	0.0	0.0
079	4/25/2019	16:15:00	0.0	0.0
080	4/25/2019	16:15:30	0.0	0.0

081	4/25/2019	16:16:00	0.0	0.0
082	4/25/2019	16:16:30	0.0	0.0
083	4/25/2019	16:17:00	0.0	0.0
084	4/25/2019	16:17:30	0.0	0.0
085	4/25/2019	16:18:00	0.0	0.0
086	4/25/2019	16:18:30	0.0	0.0
087	4/25/2019	16:19:00	0.0	0.0
088	4/25/2019	16:19:30	0.0	0.0
089	4/25/2019	16:20:00	0.0	0.0
090	4/25/2019	16:20:30	0.0	0.0
091	4/25/2019	16:21:00	0.0	0.0
092	4/25/2019	16:21:30	0.0	0.0
093	4/25/2019	16:22:00	0.0	0.0
094	4/25/2019	16:22:30	0.0	0.0
095	4/25/2019	16:23:00	0.0	0.0
096	4/25/2019	16:23:30	0.0	0.0
097	4/25/2019	16:24:00	0.0	0.0
098	4/25/2019	16:24:30	0.0	0.0
099	4/25/2019	16:25:00	0.0	0.0
100	4/25/2019	16:25:30	0.0	0.0
101	4/25/2019	16:26:00	0.0	0.0
102	4/25/2019	16:26:30	0.0	0.0
103	4/25/2019	16:27:00	0.0	0.0
104	4/25/2019	16:27:30	0.0	0.0
105	4/25/2019	16:28:00	0.0	0.0
106	4/25/2019	16:28:30	0.0	0.0
107	4/25/2019	16:29:00	0.0	0.0
108	4/25/2019	16:29:30	0.0	0.0
109	4/25/2019	16:30:00	0.0	0.0
110	4/25/2019	16:30:30	0.0	0.0
111	4/25/2019	16:31:00	0.0	0.0
112	4/25/2019	16:31:30	0.0	0.0
113	4/25/2019	16:32:00	0.0	0.0
114	4/25/2019	16:32:30	0.0	0.0
115	4/25/2019	16:33:00	0.0	0.0
116	4/25/2019	16:33:30	0.0	0.0
117	4/25/2019	16:34:00	0.0	0.0
118	4/25/2019	16:34:30	0.0	0.0
119	4/25/2019	16:35:00	0.0	0.0
120	4/25/2019	16:35:30	0.0	0.0
121	4/25/2019	16:36:00	0.0	0.0
122	4/25/2019	16:36:30	0.0	0.0
123	4/25/2019	16:37:00	0.0	0.0
124	4/25/2019	16:37:30	0.0	0.0
125	4/25/2019	16:38:00	0.0	0.0
126	4/25/2019	16:38:30	0.0	0.0
127	4/25/2019	16:39:00	0.0	0.0
128	4/25/2019	16:39:30	0.0	0.0
129	4/25/2019	16:40:00	0.0	0.0
130	4/25/2019	16:40:30	0.0	0.0
131	4/25/2019	16:41:00	0.0	0.0
132	4/25/2019	16:41:30	0.0	0.0
133	4/25/2019	16:42:00	0.0	0.0
134	4/25/2019	16:42:30	0.0	0.0
135	4/25/2019	16:43:00	0.0	0.0
136	4/25/2019	16:43:30	0.0	0.0
137	4/25/2019	16:44:00	0.0	0.0

138	4/25/2019 16:44:30	0.0	0.0
139	4/25/2019 16:45:00	0.0	0.0
140	4/25/2019 16:45:30	0.0	0.0
141	4/25/2019 16:46:00	0.0	0.0
142	4/25/2019 16:46:30	0.0	0.0
143	4/25/2019 16:47:00	0.0	0.0
144	4/25/2019 16:47:30	0.0	0.0
145	4/25/2019 16:48:00	0.0	0.0
146	4/25/2019 16:48:30	0.0	0.0
147	4/25/2019 16:49:00	0.0	0.0
148	4/25/2019 16:49:30	0.0	0.0
149	4/25/2019 16:50:00	0.0	0.0
150	4/25/2019 16:50:30	0.0	0.0
151	4/25/2019 16:51:00	0.0	0.0
152	4/25/2019 16:51:30	0.0	0.0
153	4/25/2019 16:52:00	0.0	0.0
154	4/25/2019 16:52:30	0.0	0.0
155	4/25/2019 16:53:00	0.0	0.0
156	4/25/2019 16:53:30	0.0	0.0
157	4/25/2019 16:54:00	0.0	0.0
158	4/25/2019 16:54:30	0.0	0.0
159	4/25/2019 16:55:00	0.0	0.0
160	4/25/2019 16:55:30	0.0	0.0
161	4/25/2019 16:56:00	0.0	0.0
162	4/25/2019 16:56:30	0.0	0.0
163	4/25/2019 16:57:00	0.0	0.0
164	4/25/2019 16:57:30	0.0	0.0
165	4/25/2019 16:58:00	0.0	0.0
166	4/25/2019 16:58:30	0.0	0.0
167	4/25/2019 16:59:00	0.0	0.0
168	4/25/2019 16:59:30	0.0	0.0
169	4/25/2019 17:00:00	0.0	0.0
170	4/25/2019 17:00:30	0.0	0.0
171	4/25/2019 17:01:00	0.0	0.0
172	4/25/2019 17:01:30	0.0	0.0
173	4/25/2019 17:02:00	0.0	0.0
174	4/25/2019 17:02:30	0.0	0.0
175	4/25/2019 17:03:00	0.0	0.0
176	4/25/2019 17:03:30	0.0	0.0
177	4/25/2019 17:04:00	0.0	0.0
178	4/25/2019 17:04:30	0.0	0.0
179	4/25/2019 17:05:00	0.0	0.0
180	4/25/2019 17:05:30	0.0	0.0
181	4/25/2019 17:06:00	0.0	0.0
182	4/25/2019 17:06:30	0.0	0.0
183	4/25/2019 17:07:00	0.0	0.0
184	4/25/2019 17:07:30	0.0	0.0
185	4/25/2019 17:08:00	0.0	0.0
186	4/25/2019 17:08:30	0.0	0.0
187	4/25/2019 17:09:00	0.0	0.0
188	4/25/2019 17:09:30	0.0	0.0
189	4/25/2019 17:10:00	0.0	0.0
190	4/25/2019 17:10:30	0.0	0.0
191	4/25/2019 17:11:00	0.0	0.0
192	4/25/2019 17:11:30	0.0	0.0
193	4/25/2019 17:12:00	0.0	0.0
194	4/25/2019 17:12:30	0.0	0.0

195	4/25/2019 17:13:00	0.0	0.0
196	4/25/2019 17:13:30	0.0	0.0
197	4/25/2019 17:14:00	0.0	0.0
198	4/25/2019 17:14:30	0.0	0.0
199	4/25/2019 17:15:00	0.0	0.0
200	4/25/2019 17:15:30	0.0	0.0
201	4/25/2019 17:16:00	0.0	0.0
202	4/25/2019 17:16:30	0.0	0.0
203	4/25/2019 17:17:00	0.0	0.0
204	4/25/2019 17:17:30	0.0	0.0
205	4/25/2019 17:18:00	0.0	0.0
206	4/25/2019 17:18:30	0.0	0.0
207	4/25/2019 17:19:00	0.0	0.0
208	4/25/2019 17:19:30	0.0	0.0
209	4/25/2019 17:20:00	0.0	0.0
210	4/25/2019 17:20:30	0.0	0.0
211	4/25/2019 17:21:00	0.0	0.0
212	4/25/2019 17:21:30	0.0	0.0
213	4/25/2019 17:22:00	0.0	0.0
214	4/25/2019 17:22:30	0.0	0.0
215	4/25/2019 17:23:00	0.0	0.0
216	4/25/2019 17:23:30	0.0	0.0
217	4/25/2019 17:24:00	0.0	0.0
218	4/25/2019 17:24:30	0.0	0.0
219	4/25/2019 17:25:00	0.0	0.0
220	4/25/2019 17:25:30	0.0	0.0
221	4/25/2019 17:26:00	0.0	0.0
222	4/25/2019 17:26:30	0.0	0.0
223	4/25/2019 17:27:00	0.0	0.0
224	4/25/2019 17:27:30	0.0	0.0
225	4/25/2019 17:28:00	0.0	0.0
226	4/25/2019 17:28:30	0.0	0.0
227	4/25/2019 17:29:00	0.0	0.0
228	4/25/2019 17:29:30	0.0	0.0
229	4/25/2019 17:30:00	0.0	0.0
230	4/25/2019 17:30:30	0.0	0.0
231	4/25/2019 17:31:00	0.0	0.0
232	4/25/2019 17:31:30	0.0	0.0
233	4/25/2019 17:32:00	0.0	0.0
234	4/25/2019 17:32:30	0.0	0.0
235	4/25/2019 17:33:00	0.0	0.0
236	4/25/2019 17:33:30	0.0	0.0
237	4/25/2019 17:34:00	0.0	0.0
238	4/25/2019 17:34:30	0.0	0.0
239	4/25/2019 17:35:00	0.0	0.0
240	4/25/2019 17:35:30	0.0	0.0
241	4/25/2019 17:36:00	0.0	0.0
242	4/25/2019 17:36:30	0.0	0.0
243	4/25/2019 17:37:00	0.0	0.0
244	4/25/2019 17:37:30	0.0	0.0
245	4/25/2019 17:38:00	0.0	0.0
246	4/25/2019 17:38:30	0.0	0.0
247	4/25/2019 17:39:00	0.0	0.0
248	4/25/2019 17:39:30	0.0	0.0
249	4/25/2019 17:40:00	0.0	0.0
250	4/25/2019 17:40:30	0.0	0.0
251	4/25/2019 17:41:00	0.0	0.0

252	4/25/2019 17:41:30	0.0	0.0
253	4/25/2019 17:42:00	0.0	0.0
254	4/25/2019 17:42:30	0.0	0.0
255	4/25/2019 17:43:00	0.0	0.0
256	4/25/2019 17:43:30	0.0	0.0
257	4/25/2019 17:44:00	0.0	0.0
258	4/25/2019 17:44:30	0.0	0.0
259	4/25/2019 17:45:00	0.0	0.0
260	4/25/2019 17:45:30	0.0	0.0
261	4/25/2019 17:46:00	0.0	0.0
262	4/25/2019 17:46:30	0.0	0.0
263	4/25/2019 17:47:00	0.0	0.0
264	4/25/2019 17:47:30	0.0	0.0
265	4/25/2019 17:48:00	0.0	0.0
266	4/25/2019 17:48:30	0.0	0.0
267	4/25/2019 17:49:00	0.0	0.0
268	4/25/2019 17:49:30	0.0	0.0
269	4/25/2019 17:50:00	0.0	0.0
270	4/25/2019 17:50:30	0.0	0.0
271	4/25/2019 17:51:00	0.0	0.0
272	4/25/2019 17:51:30	0.0	0.0
273	4/25/2019 17:52:00	0.0	0.0
274	4/25/2019 17:52:30	0.0	0.0
275	4/25/2019 17:53:00	0.0	0.0
276	4/25/2019 17:53:30	0.0	0.0
277	4/25/2019 17:54:00	0.0	0.0
278	4/25/2019 17:54:30	0.0	0.0
279	4/25/2019 17:55:00	0.0	0.0
280	4/25/2019 17:55:30	0.0	0.0
281	4/25/2019 17:56:00	0.0	0.0
282	4/25/2019 17:56:30	0.0	0.0
283	4/25/2019 17:57:00	0.0	0.0
284	4/25/2019 17:57:30	0.0	0.0
285	4/25/2019 17:58:00	0.0	0.0
286	4/25/2019 17:58:30	0.0	0.0
287	4/25/2019 17:59:00	0.0	0.0
288	4/25/2019 17:59:30	0.0	0.0
289	4/25/2019 18:00:00	0.0	0.0
290	4/25/2019 18:00:30	0.0	0.0
291	4/25/2019 18:01:00	0.0	0.0
292	4/25/2019 18:01:30	0.0	0.0
293	4/25/2019 18:02:00	0.0	0.0
294	4/25/2019 18:02:30	0.0	0.0
295	4/25/2019 18:03:00	0.0	0.0
296	4/25/2019 18:03:30	0.0	0.0
297	4/25/2019 18:04:00	0.0	0.0
298	4/25/2019 18:04:30	0.0	0.0
299	4/25/2019 18:05:00	0.0	0.0
300	4/25/2019 18:05:30	0.0	0.0
301	4/25/2019 18:06:00	0.0	0.0
302	4/25/2019 18:06:30	0.0	0.0
303	4/25/2019 18:07:00	0.0	0.0
304	4/25/2019 18:07:30	0.0	0.0
305	4/25/2019 18:08:00	0.0	0.0
306	4/25/2019 18:08:30	0.0	0.0
307	4/25/2019 18:09:00	0.0	0.0
308	4/25/2019 18:09:30	0.0	0.0

309	4/25/2019	18:10:00	0.0	0.0
310	4/25/2019	18:10:30	0.0	0.0
311	4/25/2019	18:11:00	0.0	0.0
312	4/25/2019	18:11:30	0.0	0.0
313	4/25/2019	18:12:00	0.0	0.0
314	4/25/2019	18:12:30	0.0	0.0
315	4/25/2019	18:13:00	0.0	0.0
316	4/25/2019	18:13:30	0.0	0.0
317	4/25/2019	18:14:00	0.0	0.0
318	4/25/2019	18:14:30	0.0	0.0
319	4/25/2019	18:15:00	0.0	0.0
320	4/25/2019	18:15:30	0.0	0.0
321	4/25/2019	18:16:00	0.0	0.0
322	4/25/2019	18:16:30	0.0	0.0
323	4/25/2019	18:17:00	0.0	0.0
324	4/25/2019	18:17:30	0.0	0.0
325	4/25/2019	18:18:00	0.0	0.0
326	4/25/2019	18:18:30	0.0	0.0
327	4/25/2019	18:19:00	0.0	0.0
328	4/25/2019	18:19:30	0.0	0.0
329	4/25/2019	18:20:00	0.0	0.0
330	4/25/2019	18:20:30	0.0	0.0
331	4/25/2019	18:21:00	0.0	0.0
332	4/25/2019	18:21:30	0.0	0.0
333	4/25/2019	18:22:00	0.0	0.0
334	4/25/2019	18:22:30	0.0	0.0
335	4/25/2019	18:23:00	0.0	0.0
336	4/25/2019	18:23:30	0.0	0.0
337	4/25/2019	18:24:00	0.0	0.0
338	4/25/2019	18:24:30	0.0	0.0
339	4/25/2019	18:25:00	0.0	0.0
340	4/25/2019	18:25:30	0.0	0.0
341	4/25/2019	18:26:00	0.0	0.0
342	4/25/2019	18:26:30	0.0	0.0
343	4/25/2019	18:27:00	0.0	0.0
344	4/25/2019	18:27:30	0.0	0.0
345	4/25/2019	18:28:00	0.0	0.0
346	4/25/2019	18:28:30	0.0	0.0
347	4/25/2019	18:29:00	0.0	0.0
348	4/25/2019	18:29:30	0.0	0.0
349	4/25/2019	18:30:00	0.0	0.0
350	4/25/2019	18:30:30	0.0	0.0
351	4/25/2019	18:31:00	0.0	0.0
352	4/25/2019	18:31:30	0.0	0.0
353	4/25/2019	18:32:00	0.0	0.0
354	4/25/2019	18:32:30	0.0	0.0
355	4/25/2019	18:33:00	0.0	0.0
356	4/25/2019	18:33:30	0.0	0.0
357	4/25/2019	18:34:00	0.0	0.0
358	4/25/2019	18:34:30	0.0	0.0
359	4/25/2019	18:35:00	0.0	0.0
360	4/25/2019	18:35:30	0.0	0.0
361	4/25/2019	18:36:00	0.0	0.0
362	4/25/2019	18:36:30	0.0	0.0
363	4/25/2019	18:37:00	0.0	0.0
364	4/25/2019	18:37:30	0.0	0.0
365	4/25/2019	18:38:00	0.0	0.0

366	4/25/2019	18:38:30	0.0	0.0
367	4/25/2019	18:39:00	0.0	0.0
368	4/25/2019	18:39:30	0.0	0.0
369	4/25/2019	18:40:00	0.0	0.0
370	4/25/2019	18:40:30	0.0	0.0
371	4/25/2019	18:41:00	0.0	0.0
372	4/25/2019	18:41:30	0.0	0.0
373	4/25/2019	18:42:00	0.0	0.0
374	4/25/2019	18:42:30	0.0	0.0
375	4/25/2019	18:43:00	0.0	0.0
376	4/25/2019	18:43:30	0.0	0.0
377	4/25/2019	18:44:00	0.0	0.0
378	4/25/2019	18:44:30	0.0	0.0
379	4/25/2019	18:45:00	0.0	0.0
380	4/25/2019	18:45:30	0.0	0.0
381	4/25/2019	18:46:00	0.0	0.0
382	4/25/2019	18:46:30	0.0	0.0
383	4/25/2019	18:47:00	0.0	0.0
384	4/25/2019	18:47:30	0.0	0.0
385	4/25/2019	18:48:00	0.0	0.0
386	4/25/2019	18:48:30	0.0	0.0
387	4/25/2019	18:49:00	0.0	0.0
388	4/25/2019	18:49:30	0.0	0.0
389	4/25/2019	18:50:00	0.0	0.0
390	4/25/2019	18:50:30	0.0	0.0
391	4/25/2019	18:51:00	0.0	0.0
392	4/25/2019	18:51:30	0.0	0.0
393	4/25/2019	18:52:00	0.0	0.0
394	4/25/2019	18:52:30	0.0	0.0
395	4/25/2019	18:53:00	0.0	0.0
396	4/25/2019	18:53:30	0.0	0.0
397	4/25/2019	18:54:00	0.0	0.0
398	4/25/2019	18:54:30	0.0	0.0
399	4/25/2019	18:55:00	0.0	0.0
400	4/25/2019	18:55:30	0.0	0.0
401	4/25/2019	18:56:00	0.0	0.0
402	4/25/2019	18:56:30	0.0	0.0
403	4/25/2019	18:57:00	0.0	0.0
404	4/25/2019	18:57:30	0.0	0.0
405	4/25/2019	18:58:00	0.0	0.0
406	4/25/2019	18:58:30	0.0	0.0
407	4/25/2019	18:59:00	0.0	0.0
408	4/25/2019	18:59:30	0.0	0.0
409	4/25/2019	19:00:00	0.0	0.0
410	4/25/2019	19:00:30	0.0	0.0
411	4/25/2019	19:01:00	0.0	0.0
412	4/25/2019	19:01:30	0.0	0.0
413	4/25/2019	19:02:00	0.0	0.0
414	4/25/2019	19:02:30	0.0	0.0
415	4/25/2019	19:03:00	0.0	0.0
416	4/25/2019	19:03:30	0.0	0.0
417	4/25/2019	19:04:00	0.0	0.0
418	4/25/2019	19:04:30	0.0	0.0
419	4/25/2019	19:05:00	0.0	0.0
420	4/25/2019	19:05:30	0.0	0.0
421	4/25/2019	19:06:00	0.0	0.0
422	4/25/2019	19:06:30	0.0	0.0

423 4/25/2019 19:07:00 0.0 0.0
424 4/25/2019 19:07:30 0.0 0.0
425 4/25/2019 19:08:00 0.0 0.0
426 4/25/2019 19:08:30 0.0 0.0
427 4/25/2019 19:09:00 0.0 0.0
428 4/25/2019 19:09:30 0.0 0.0
429 4/25/2019 19:10:00 0.0 0.0
430 4/25/2019 19:10:30 0.0 0.0
431 4/25/2019 19:11:00 0.0 0.0
432 4/25/2019 19:11:30 0.0 0.0
433 4/25/2019 19:12:00 0.0 0.0
434 4/25/2019 19:12:30 0.0 0.0
435 4/25/2019 19:13:00 0.0 0.0
436 4/25/2019 19:13:30 0.0 0.0
437 4/25/2019 19:14:00 0.0 0.0
438 4/25/2019 19:14:30 0.0 0.0
439 4/25/2019 19:15:00 0.0 0.0

==========

19/04/26 10:24

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910551
Unit Firmware Ver V2.16

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

Site ID 00000037
User ID 00000001

Begin4/26/2019 10:24:44
End 4/26/2019 10:25:14
Sample Period(s) 30
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030476Q4
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 50.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 4/25/2019 15:00

****

Datalog

0 record.

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============================================================
19/06/19 10:04
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000 +(PGM-7320)
Unit SN 592-927314
Unit Firmware Ver       V2.20
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Power Down
------------------------------------------------------------
Site ID RAE00000
User ID USER0000
------------------------------------------------------------
Begin   6/19/2019 10:04:05
End     6/19/2019 14:03:21
Sample Period(s)        60
Number of Records       239
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030197W2
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      100.0
TWA Alarm       50.0
Measurement Gas Isobutylene
Calibration Time        6/19/2019 07:26
Peak    0.1
Min     0.0
Average 0.0

************************************************************
Datalog
                PID(ppm)        PID(ppm)        PID(ppm)        PID(ppm)
Index   Date/Time       (Min)   (Avg)   (Max)   (Real)
001     6/19/2019 10:05:05      0.0     0.0     0.0     0.0
002     6/19/2019 10:06:05      0.0     0.0     0.0     0.0
003     6/19/2019 10:07:05      0.0     0.0     0.0     0.0
004     6/19/2019 10:08:05      0.0     0.0     0.0     0.0
005     6/19/2019 10:09:05      0.0     0.0     0.0     0.0
006     6/19/2019 10:10:05      0.0     0.0     0.0     0.0
007     6/19/2019 10:11:05      0.0     0.0     0.0     0.0
008     6/19/2019 10:12:05      0.0     0.0     0.0     0.0
```

009	6/19/2019	10:13:05	0.0	0.0	0.0	0.0
010	6/19/2019	10:14:05	0.0	0.0	0.0	0.0
011	6/19/2019	10:15:05	0.0	0.0	0.0	0.0
012	6/19/2019	10:16:05	0.0	0.0	0.0	0.0
013	6/19/2019	10:17:05	0.0	0.0	0.0	0.0
014	6/19/2019	10:18:05	0.0	0.0	0.0	0.0
015	6/19/2019	10:19:05	0.0	0.0	0.2	0.0
016	6/19/2019	10:20:05	0.0	0.0	0.0	0.0
017	6/19/2019	10:21:05	0.0	0.0	0.0	0.0
018	6/19/2019	10:22:05	0.0	0.0	0.0	0.0
019	6/19/2019	10:23:05	0.0	0.0	0.0	0.0
020	6/19/2019	10:24:05	0.0	0.0	0.1	0.1
021	6/19/2019	10:25:05	0.0	0.0	0.1	0.0
022	6/19/2019	10:26:05	0.0	0.0	0.0	0.0
023	6/19/2019	10:27:05	0.0	0.0	0.0	0.0
024	6/19/2019	10:28:05	0.0	0.0	0.2	0.0
025	6/19/2019	10:29:05	0.0	0.0	0.0	0.0
026	6/19/2019	10:30:05	0.0	0.0	0.0	0.0
027	6/19/2019	10:31:05	0.0	0.0	0.0	0.0
028	6/19/2019	10:32:05	0.0	0.0	0.0	0.0
029	6/19/2019	10:33:05	0.0	0.0	0.0	0.0
030	6/19/2019	10:34:05	0.0	0.0	0.0	0.0
031	6/19/2019	10:35:05	0.0	0.0	0.0	0.0
032	6/19/2019	10:36:05	0.0	0.0	0.0	0.0
033	6/19/2019	10:37:05	0.0	0.0	0.0	0.0
034	6/19/2019	10:38:05	0.0	0.0	0.1	0.0
035	6/19/2019	10:39:05	0.0	0.0	0.0	0.0
036	6/19/2019	10:40:05	0.0	0.0	0.0	0.0
037	6/19/2019	10:41:05	0.0	0.0	0.0	0.0
038	6/19/2019	10:42:05	0.0	0.0	0.0	0.0
039	6/19/2019	10:43:05	0.0	0.0	0.0	0.0
040	6/19/2019	10:44:05	0.0	0.0	0.0	0.0
041	6/19/2019	10:45:05	0.0	0.0	0.0	0.0
042	6/19/2019	10:46:05	0.0	0.0	0.0	0.0
043	6/19/2019	10:47:05	0.0	0.0	0.0	0.0
044	6/19/2019	10:48:05	0.0	0.0	0.0	0.0
045	6/19/2019	10:49:05	0.0	0.0	0.0	0.0
046	6/19/2019	10:50:05	0.0	0.0	0.0	0.0
047	6/19/2019	10:51:05	0.0	0.0	0.0	0.0
048	6/19/2019	10:52:05	0.0	0.0	0.0	0.0
049	6/19/2019	10:53:05	0.0	0.0	0.0	0.0
050	6/19/2019	10:54:05	0.0	0.0	0.0	0.0
051	6/19/2019	10:55:05	0.0	0.0	0.0	0.0
052	6/19/2019	10:56:05	0.0	0.0	0.0	0.0
053	6/19/2019	10:57:05	0.0	0.0	0.0	0.0
054	6/19/2019	10:58:05	0.0	0.0	0.0	0.0
055	6/19/2019	10:59:05	0.0	0.0	0.0	0.0
056	6/19/2019	11:00:05	0.0	0.0	0.0	0.0
057	6/19/2019	11:01:05	0.0	0.0	0.0	0.0
058	6/19/2019	11:02:05	0.0	0.0	0.0	0.0

059	6/19/2019	11:03:05	0.0	0.0	0.0	0.0
060	6/19/2019	11:04:05	0.0	0.0	0.0	0.0
061	6/19/2019	11:05:05	0.0	0.0	0.0	0.0
062	6/19/2019	11:06:05	0.0	0.0	0.0	0.0
063	6/19/2019	11:07:05	0.0	0.0	0.0	0.0
064	6/19/2019	11:08:05	0.0	0.0	0.0	0.0
065	6/19/2019	11:09:05	0.0	0.0	0.0	0.0
066	6/19/2019	11:10:05	0.0	0.0	0.0	0.0
067	6/19/2019	11:11:05	0.0	0.0	0.0	0.0
068	6/19/2019	11:12:05	0.0	0.0	0.0	0.0
069	6/19/2019	11:13:05	0.0	0.0	0.0	0.0
070	6/19/2019	11:14:05	0.0	0.0	0.0	0.0
071	6/19/2019	11:15:05	0.0	0.0	0.0	0.0
072	6/19/2019	11:16:05	0.0	0.0	0.0	0.0
073	6/19/2019	11:17:05	0.0	0.0	0.0	0.0
074	6/19/2019	11:18:05	0.0	0.0	0.0	0.0
075	6/19/2019	11:19:05	0.0	0.0	0.0	0.0
076	6/19/2019	11:20:05	0.0	0.0	0.0	0.0
077	6/19/2019	11:21:05	0.0	0.0	0.0	0.0
078	6/19/2019	11:22:05	0.0	0.0	0.0	0.0
079	6/19/2019	11:23:05	0.0	0.0	0.0	0.0
080	6/19/2019	11:24:05	0.0	0.0	0.0	0.0
081	6/19/2019	11:25:05	0.0	0.0	0.0	0.0
082	6/19/2019	11:26:05	0.0	0.0	0.0	0.0
083	6/19/2019	11:27:05	0.0	0.0	0.0	0.0
084	6/19/2019	11:28:05	0.0	0.0	0.0	0.0
085	6/19/2019	11:29:05	0.0	0.0	0.0	0.0
086	6/19/2019	11:30:05	0.0	0.0	0.0	0.0
087	6/19/2019	11:31:05	0.0	0.0	0.0	0.0
088	6/19/2019	11:32:05	0.0	0.0	0.0	0.0
089	6/19/2019	11:33:05	0.0	0.0	0.0	0.0
090	6/19/2019	11:34:05	0.0	0.0	0.0	0.0
091	6/19/2019	11:35:05	0.0	0.0	0.0	0.0
092	6/19/2019	11:36:05	0.0	0.0	0.0	0.0
093	6/19/2019	11:37:05	0.0	0.0	0.0	0.0
094	6/19/2019	11:38:05	0.0	0.0	0.0	0.0
095	6/19/2019	11:39:05	0.0	0.0	0.0	0.0
096	6/19/2019	11:40:05	0.0	0.0	0.0	0.0
097	6/19/2019	11:41:05	0.0	0.0	0.0	0.0
098	6/19/2019	11:42:05	0.0	0.0	0.0	0.0
099	6/19/2019	11:43:05	0.0	0.0	0.0	0.0
100	6/19/2019	11:44:05	0.0	0.0	0.0	0.0
101	6/19/2019	11:45:05	0.0	0.0	0.0	0.0
102	6/19/2019	11:46:05	0.0	0.0	0.0	0.0
103	6/19/2019	11:47:05	0.0	0.0	0.0	0.0
104	6/19/2019	11:48:05	0.0	0.0	0.0	0.0
105	6/19/2019	11:49:05	0.0	0.0	0.0	0.0
106	6/19/2019	11:50:05	0.0	0.0	0.0	0.0
107	6/19/2019	11:51:05	0.0	0.0	0.0	0.0
108	6/19/2019	11:52:05	0.0	0.0	0.0	0.0

109	6/19/2019 11:53:05	0.0	0.0	0.0	0.0
110	6/19/2019 11:54:05	0.0	0.0	0.0	0.0
111	6/19/2019 11:55:05	0.0	0.0	0.0	0.0
112	6/19/2019 11:56:05	0.0	0.0	0.0	0.0
113	6/19/2019 11:57:05	0.0	0.0	0.0	0.0
114	6/19/2019 11:58:05	0.0	0.0	0.1	0.1
115	6/19/2019 11:59:05	0.1	0.1	0.1	0.1
116	6/19/2019 12:00:05	0.1	0.1	0.1	0.1
117	6/19/2019 12:01:05	0.1	0.1	0.1	0.1
118	6/19/2019 12:02:05	0.1	0.1	0.1	0.1
119	6/19/2019 12:03:05	0.1	0.1	0.1	0.1
120	6/19/2019 12:04:05	0.1	0.1	0.1	0.1
121	6/19/2019 12:05:05	0.1	0.1	0.1	0.1
122	6/19/2019 12:06:05	0.1	0.1	0.1	0.1
123	6/19/2019 12:07:05	0.1	0.1	0.1	0.1
124	6/19/2019 12:08:05	0.1	0.1	0.1	0.1
125	6/19/2019 12:09:05	0.1	0.1	0.1	0.1
126	6/19/2019 12:10:05	0.1	0.1	0.1	0.1
127	6/19/2019 12:11:05	0.1	0.1	0.1	0.1
128	6/19/2019 12:12:05	0.1	0.1	0.1	0.1
129	6/19/2019 12:13:05	0.1	0.1	0.1	0.1
130	6/19/2019 12:14:05	0.1	0.1	0.1	0.1
131	6/19/2019 12:15:05	0.1	0.1	0.1	0.1
132	6/19/2019 12:16:05	0.1	0.1	0.1	0.1
133	6/19/2019 12:17:05	0.1	0.1	0.1	0.1
134	6/19/2019 12:18:05	0.1	0.1	0.1	0.1
135	6/19/2019 12:19:05	0.1	0.1	0.1	0.1
136	6/19/2019 12:20:05	0.1	0.1	0.1	0.1
137	6/19/2019 12:21:05	0.1	0.1	0.1	0.1
138	6/19/2019 12:22:05	0.0	0.0	0.1	0.0
139	6/19/2019 12:23:05	0.0	0.0	0.0	0.0
140	6/19/2019 12:24:05	0.0	0.0	0.0	0.0
141	6/19/2019 12:25:05	0.0	0.0	0.0	0.0
142	6/19/2019 12:26:05	0.0	0.0	0.0	0.0
143	6/19/2019 12:27:05	0.0	0.0	0.0	0.0
144	6/19/2019 12:28:05	0.0	0.0	0.0	0.0
145	6/19/2019 12:29:05	0.0	0.0	0.0	0.0
146	6/19/2019 12:30:05	0.0	0.0	0.0	0.0
147	6/19/2019 12:31:05	0.0	0.0	0.0	0.0
148	6/19/2019 12:32:05	0.0	0.0	0.0	0.0
149	6/19/2019 12:33:05	0.0	0.0	0.0	0.0
150	6/19/2019 12:34:05	0.0	0.0	0.0	0.0
151	6/19/2019 12:35:05	0.0	0.0	0.0	0.0
152	6/19/2019 12:36:05	0.0	0.0	0.0	0.0
153	6/19/2019 12:37:05	0.0	0.0	0.0	0.0
154	6/19/2019 12:38:05	0.0	0.0	0.0	0.0
155	6/19/2019 12:39:05	0.0	0.0	0.0	0.0
156	6/19/2019 12:40:05	0.0	0.0	0.0	0.0
157	6/19/2019 12:41:05	0.0	0.0	0.0	0.0
158	6/19/2019 12:42:05	0.0	0.0	0.0	0.0

159	6/19/2019	12:43:05	0.0	0.0	0.0	0.0
160	6/19/2019	12:44:05	0.0	0.0	0.0	0.0
161	6/19/2019	12:45:05	0.0	0.0	0.0	0.0
162	6/19/2019	12:46:05	0.0	0.0	0.0	0.0
163	6/19/2019	12:47:05	0.0	0.0	0.0	0.0
164	6/19/2019	12:48:05	0.0	0.0	0.0	0.0
165	6/19/2019	12:49:05	0.0	0.0	0.0	0.0
166	6/19/2019	12:50:05	0.0	0.0	0.0	0.0
167	6/19/2019	12:51:05	0.0	0.0	0.0	0.0
168	6/19/2019	12:52:05	0.0	0.0	0.0	0.0
169	6/19/2019	12:53:05	0.0	0.0	0.0	0.0
170	6/19/2019	12:54:05	0.0	0.0	0.0	0.0
171	6/19/2019	12:55:05	0.0	0.0	0.0	0.0
172	6/19/2019	12:56:05	0.0	0.0	0.0	0.0
173	6/19/2019	12:57:05	0.0	0.0	0.0	0.0
174	6/19/2019	12:58:05	0.0	0.0	0.0	0.0
175	6/19/2019	12:59:05	0.0	0.0	0.0	0.0
176	6/19/2019	13:00:05	0.0	0.0	0.0	0.0
177	6/19/2019	13:01:05	0.0	0.0	0.0	0.0
178	6/19/2019	13:02:05	0.0	0.0	0.0	0.0
179	6/19/2019	13:03:05	0.0	0.0	0.0	0.0
180	6/19/2019	13:04:05	0.0	0.0	0.0	0.0
181	6/19/2019	13:05:05	0.0	0.0	0.0	0.0
182	6/19/2019	13:06:05	0.0	0.0	0.0	0.0
183	6/19/2019	13:07:05	0.0	0.0	0.0	0.0
184	6/19/2019	13:08:05	0.0	0.0	0.0	0.0
185	6/19/2019	13:09:05	0.0	0.0	0.0	0.0
186	6/19/2019	13:10:05	0.0	0.0	0.0	0.0
187	6/19/2019	13:11:05	0.0	0.0	0.0	0.0
188	6/19/2019	13:12:05	0.0	0.0	0.0	0.0
189	6/19/2019	13:13:05	0.0	0.0	0.0	0.0
190	6/19/2019	13:14:05	0.0	0.0	0.0	0.0
191	6/19/2019	13:15:05	0.0	0.0	0.0	0.0
192	6/19/2019	13:16:05	0.0	0.0	0.0	0.0
193	6/19/2019	13:17:05	0.0	0.0	0.0	0.0
194	6/19/2019	13:18:05	0.0	0.0	0.0	0.0
195	6/19/2019	13:19:05	0.0	0.0	0.0	0.0
196	6/19/2019	13:20:05	0.0	0.0	0.0	0.0
197	6/19/2019	13:21:05	0.0	0.0	0.0	0.0
198	6/19/2019	13:22:05	0.0	0.0	0.0	0.0
199	6/19/2019	13:23:05	0.0	0.0	0.0	0.0
200	6/19/2019	13:24:05	0.0	0.0	0.0	0.0
201	6/19/2019	13:25:05	0.0	0.0	0.0	0.0
202	6/19/2019	13:26:05	0.0	0.0	0.0	0.0
203	6/19/2019	13:27:05	0.0	0.0	0.0	0.0
204	6/19/2019	13:28:05	0.0	0.0	0.0	0.0
205	6/19/2019	13:29:05	0.0	0.0	0.0	0.0
206	6/19/2019	13:30:05	0.0	0.0	0.0	0.0
207	6/19/2019	13:31:05	0.0	0.0	0.0	0.0
208	6/19/2019	13:32:05	0.0	0.0	0.0	0.0

209	6/19/2019	13:33:05	0.0	0.0	0.0	0.0
210	6/19/2019	13:34:05	0.0	0.0	0.0	0.0
211	6/19/2019	13:35:05	0.0	0.0	0.0	0.0
212	6/19/2019	13:36:05	0.0	0.0	0.0	0.0
213	6/19/2019	13:37:05	0.0	0.0	0.0	0.0
214	6/19/2019	13:38:05	0.0	0.0	0.0	0.0
215	6/19/2019	13:39:05	0.0	0.0	0.0	0.0
216	6/19/2019	13:40:05	0.0	0.0	0.0	0.0
217	6/19/2019	13:41:05	0.0	0.0	0.0	0.0
218	6/19/2019	13:42:05	0.0	0.0	0.0	0.0
219	6/19/2019	13:43:05	0.0	0.0	0.0	0.0
220	6/19/2019	13:44:05	0.0	0.0	0.0	0.0
221	6/19/2019	13:45:05	0.0	0.0	0.0	0.0
222	6/19/2019	13:46:05	0.0	0.0	0.0	0.0
223	6/19/2019	13:47:05	0.0	0.0	0.0	0.0
224	6/19/2019	13:48:05	0.0	0.0	0.0	0.0
225	6/19/2019	13:49:05	0.0	0.0	0.0	0.0
226	6/19/2019	13:50:05	0.0	0.0	0.0	0.0
227	6/19/2019	13:51:05	0.0	0.0	0.0	0.0
228	6/19/2019	13:52:05	0.0	0.0	0.0	0.0
229	6/19/2019	13:53:05	0.0	0.0	0.0	0.0
230	6/19/2019	13:54:05	0.0	0.0	0.0	0.0
231	6/19/2019	13:55:05	0.0	0.0	0.0	0.0
232	6/19/2019	13:56:05	0.0	0.0	0.0	0.0
233	6/19/2019	13:57:05	0.0	0.0	0.0	0.0
234	6/19/2019	13:58:05	0.0	0.0	0.0	0.0
235	6/19/2019	13:59:05	0.0	0.0	0.0	0.0
236	6/19/2019	14:00:05	0.0	0.0	0.0	0.0
237	6/19/2019	14:01:05	0.0	0.0	0.0	0.0
238	6/19/2019	14:02:05	0.0	0.0	0.0	0.0
239	6/19/2019	14:03:05	0.0	0.0	0.0	0.0
Peak			0.1	0.1	0.2	0.1
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	6/19/2019 10:05:05	0.0	---
002	6/19/2019 10:06:05	0.0	---
003	6/19/2019 10:07:05	0.0	---
004	6/19/2019 10:08:05	0.0	---
005	6/19/2019 10:09:05	0.0	---
006	6/19/2019 10:10:05	0.0	---
007	6/19/2019 10:11:05	0.0	---
008	6/19/2019 10:12:05	0.0	---
009	6/19/2019 10:13:05	0.0	---
010	6/19/2019 10:14:05	0.0	---
011	6/19/2019 10:15:05	0.0	---

012	6/19/2019 10:16:05	0.0	---
013	6/19/2019 10:17:05	0.0	---
014	6/19/2019 10:18:05	0.0	---
015	6/19/2019 10:19:05	0.0	0.0
016	6/19/2019 10:20:05	0.0	0.0
017	6/19/2019 10:21:05	0.0	0.0
018	6/19/2019 10:22:05	0.0	0.0
019	6/19/2019 10:23:05	0.0	0.0
020	6/19/2019 10:24:05	0.0	0.0
021	6/19/2019 10:25:05	0.0	0.0
022	6/19/2019 10:26:05	0.0	0.0
023	6/19/2019 10:27:05	0.0	0.0
024	6/19/2019 10:28:05	0.0	0.0
025	6/19/2019 10:29:05	0.0	0.0
026	6/19/2019 10:30:05	0.0	0.0
027	6/19/2019 10:31:05	0.0	0.0
028	6/19/2019 10:32:05	0.0	0.0
029	6/19/2019 10:33:05	0.0	0.0
030	6/19/2019 10:34:05	0.0	0.0
031	6/19/2019 10:35:05	0.0	0.0
032	6/19/2019 10:36:05	0.0	0.0
033	6/19/2019 10:37:05	0.0	0.0
034	6/19/2019 10:38:05	0.0	0.0
035	6/19/2019 10:39:05	0.0	0.0
036	6/19/2019 10:40:05	0.0	0.0
037	6/19/2019 10:41:05	0.0	0.0
038	6/19/2019 10:42:05	0.0	0.0
039	6/19/2019 10:43:05	0.0	0.0
040	6/19/2019 10:44:05	0.0	0.0
041	6/19/2019 10:45:05	0.0	0.0
042	6/19/2019 10:46:05	0.0	0.0
043	6/19/2019 10:47:05	0.0	0.0
044	6/19/2019 10:48:05	0.0	0.0
045	6/19/2019 10:49:05	0.0	0.0
046	6/19/2019 10:50:05	0.0	0.0
047	6/19/2019 10:51:05	0.0	0.0
048	6/19/2019 10:52:05	0.0	0.0
049	6/19/2019 10:53:05	0.0	0.0
050	6/19/2019 10:54:05	0.0	0.0
051	6/19/2019 10:55:05	0.0	0.0
052	6/19/2019 10:56:05	0.0	0.0
053	6/19/2019 10:57:05	0.0	0.0
054	6/19/2019 10:58:05	0.0	0.0
055	6/19/2019 10:59:05	0.0	0.0
056	6/19/2019 11:00:05	0.0	0.0
057	6/19/2019 11:01:05	0.0	0.0
058	6/19/2019 11:02:05	0.0	0.0
059	6/19/2019 11:03:05	0.0	0.0
060	6/19/2019 11:04:05	0.0	0.0
061	6/19/2019 11:05:05	0.0	0.0

062	6/19/2019 11:06:05	0.0	0.0
063	6/19/2019 11:07:05	0.0	0.0
064	6/19/2019 11:08:05	0.0	0.0
065	6/19/2019 11:09:05	0.0	0.0
066	6/19/2019 11:10:05	0.0	0.0
067	6/19/2019 11:11:05	0.0	0.0
068	6/19/2019 11:12:05	0.0	0.0
069	6/19/2019 11:13:05	0.0	0.0
070	6/19/2019 11:14:05	0.0	0.0
071	6/19/2019 11:15:05	0.0	0.0
072	6/19/2019 11:16:05	0.0	0.0
073	6/19/2019 11:17:05	0.0	0.0
074	6/19/2019 11:18:05	0.0	0.0
075	6/19/2019 11:19:05	0.0	0.0
076	6/19/2019 11:20:05	0.0	0.0
077	6/19/2019 11:21:05	0.0	0.0
078	6/19/2019 11:22:05	0.0	0.0
079	6/19/2019 11:23:05	0.0	0.0
080	6/19/2019 11:24:05	0.0	0.0
081	6/19/2019 11:25:05	0.0	0.0
082	6/19/2019 11:26:05	0.0	0.0
083	6/19/2019 11:27:05	0.0	0.0
084	6/19/2019 11:28:05	0.0	0.0
085	6/19/2019 11:29:05	0.0	0.0
086	6/19/2019 11:30:05	0.0	0.0
087	6/19/2019 11:31:05	0.0	0.0
088	6/19/2019 11:32:05	0.0	0.0
089	6/19/2019 11:33:05	0.0	0.0
090	6/19/2019 11:34:05	0.0	0.0
091	6/19/2019 11:35:05	0.0	0.0
092	6/19/2019 11:36:05	0.0	0.0
093	6/19/2019 11:37:05	0.0	0.0
094	6/19/2019 11:38:05	0.0	0.0
095	6/19/2019 11:39:05	0.0	0.0
096	6/19/2019 11:40:05	0.0	0.0
097	6/19/2019 11:41:05	0.0	0.0
098	6/19/2019 11:42:05	0.0	0.0
099	6/19/2019 11:43:05	0.0	0.0
100	6/19/2019 11:44:05	0.0	0.0
101	6/19/2019 11:45:05	0.0	0.0
102	6/19/2019 11:46:05	0.0	0.0
103	6/19/2019 11:47:05	0.0	0.0
104	6/19/2019 11:48:05	0.0	0.0
105	6/19/2019 11:49:05	0.0	0.0
106	6/19/2019 11:50:05	0.0	0.0
107	6/19/2019 11:51:05	0.0	0.0
108	6/19/2019 11:52:05	0.0	0.0
109	6/19/2019 11:53:05	0.0	0.0
110	6/19/2019 11:54:05	0.0	0.0
111	6/19/2019 11:55:05	0.0	0.0

112	6/19/2019	11:56:05	0.0	0.0
113	6/19/2019	11:57:05	0.0	0.0
114	6/19/2019	11:58:05	0.0	0.0
115	6/19/2019	11:59:05	0.0	0.0
116	6/19/2019	12:00:05	0.0	0.0
117	6/19/2019	12:01:05	0.0	0.0
118	6/19/2019	12:02:05	0.0	0.0
119	6/19/2019	12:03:05	0.0	0.0
120	6/19/2019	12:04:05	0.0	0.0
121	6/19/2019	12:05:05	0.0	0.1
122	6/19/2019	12:06:05	0.0	0.1
123	6/19/2019	12:07:05	0.0	0.1
124	6/19/2019	12:08:05	0.0	0.1
125	6/19/2019	12:09:05	0.0	0.1
126	6/19/2019	12:10:05	0.0	0.1
127	6/19/2019	12:11:05	0.0	0.1
128	6/19/2019	12:12:05	0.0	0.1
129	6/19/2019	12:13:05	0.0	0.1
130	6/19/2019	12:14:05	0.0	0.1
131	6/19/2019	12:15:05	0.0	0.1
132	6/19/2019	12:16:05	0.0	0.1
133	6/19/2019	12:17:05	0.0	0.1
134	6/19/2019	12:18:05	0.0	0.1
135	6/19/2019	12:19:05	0.0	0.1
136	6/19/2019	12:20:05	0.0	0.1
137	6/19/2019	12:21:05	0.0	0.1
138	6/19/2019	12:22:05	0.0	0.1
139	6/19/2019	12:23:05	0.0	0.1
140	6/19/2019	12:24:05	0.0	0.1
141	6/19/2019	12:25:05	0.0	0.1
142	6/19/2019	12:26:05	0.0	0.1
143	6/19/2019	12:27:05	0.0	0.1
144	6/19/2019	12:28:05	0.0	0.1
145	6/19/2019	12:29:05	0.0	0.1
146	6/19/2019	12:30:05	0.0	0.0
147	6/19/2019	12:31:05	0.0	0.0
148	6/19/2019	12:32:05	0.0	0.0
149	6/19/2019	12:33:05	0.0	0.0
150	6/19/2019	12:34:05	0.0	0.0
151	6/19/2019	12:35:05	0.0	0.0
152	6/19/2019	12:36:05	0.0	0.0
153	6/19/2019	12:37:05	0.0	0.0
154	6/19/2019	12:38:05	0.0	0.0
155	6/19/2019	12:39:05	0.0	0.0
156	6/19/2019	12:40:05	0.0	0.0
157	6/19/2019	12:41:05	0.0	0.0
158	6/19/2019	12:42:05	0.0	0.0
159	6/19/2019	12:43:05	0.0	0.0
160	6/19/2019	12:44:05	0.0	0.0
161	6/19/2019	12:45:05	0.0	0.0

162	6/19/2019 12:46:05	0.0	0.0
163	6/19/2019 12:47:05	0.0	0.0
164	6/19/2019 12:48:05	0.0	0.0
165	6/19/2019 12:49:05	0.0	0.0
166	6/19/2019 12:50:05	0.0	0.0
167	6/19/2019 12:51:05	0.0	0.0
168	6/19/2019 12:52:05	0.0	0.0
169	6/19/2019 12:53:05	0.0	0.0
170	6/19/2019 12:54:05	0.0	0.0
171	6/19/2019 12:55:05	0.0	0.0
172	6/19/2019 12:56:05	0.0	0.0
173	6/19/2019 12:57:05	0.0	0.0
174	6/19/2019 12:58:05	0.0	0.0
175	6/19/2019 12:59:05	0.0	0.0
176	6/19/2019 13:00:05	0.0	0.0
177	6/19/2019 13:01:05	0.0	0.0
178	6/19/2019 13:02:05	0.0	0.0
179	6/19/2019 13:03:05	0.0	0.0
180	6/19/2019 13:04:05	0.0	0.0
181	6/19/2019 13:05:05	0.0	0.0
182	6/19/2019 13:06:05	0.0	0.0
183	6/19/2019 13:07:05	0.0	0.0
184	6/19/2019 13:08:05	0.0	0.0
185	6/19/2019 13:09:05	0.0	0.0
186	6/19/2019 13:10:05	0.0	0.0
187	6/19/2019 13:11:05	0.0	0.0
188	6/19/2019 13:12:05	0.0	0.0
189	6/19/2019 13:13:05	0.0	0.0
190	6/19/2019 13:14:05	0.0	0.0
191	6/19/2019 13:15:05	0.0	0.0
192	6/19/2019 13:16:05	0.0	0.0
193	6/19/2019 13:17:05	0.0	0.0
194	6/19/2019 13:18:05	0.0	0.0
195	6/19/2019 13:19:05	0.0	0.0
196	6/19/2019 13:20:05	0.0	0.0
197	6/19/2019 13:21:05	0.0	0.0
198	6/19/2019 13:22:05	0.0	0.0
199	6/19/2019 13:23:05	0.0	0.0
200	6/19/2019 13:24:05	0.0	0.0
201	6/19/2019 13:25:05	0.0	0.0
202	6/19/2019 13:26:05	0.0	0.0
203	6/19/2019 13:27:05	0.0	0.0
204	6/19/2019 13:28:05	0.0	0.0
205	6/19/2019 13:29:05	0.0	0.0
206	6/19/2019 13:30:05	0.0	0.0
207	6/19/2019 13:31:05	0.0	0.0
208	6/19/2019 13:32:05	0.0	0.0
209	6/19/2019 13:33:05	0.0	0.0
210	6/19/2019 13:34:05	0.0	0.0
211	6/19/2019 13:35:05	0.0	0.0

212	6/19/2019 13:36:05	0.0	0.0
213	6/19/2019 13:37:05	0.0	0.0
214	6/19/2019 13:38:05	0.0	0.0
215	6/19/2019 13:39:05	0.0	0.0
216	6/19/2019 13:40:05	0.0	0.0
217	6/19/2019 13:41:05	0.0	0.0
218	6/19/2019 13:42:05	0.0	0.0
219	6/19/2019 13:43:05	0.0	0.0
220	6/19/2019 13:44:05	0.0	0.0
221	6/19/2019 13:45:05	0.0	0.0
222	6/19/2019 13:46:05	0.0	0.0
223	6/19/2019 13:47:05	0.0	0.0
224	6/19/2019 13:48:05	0.0	0.0
225	6/19/2019 13:49:05	0.0	0.0
226	6/19/2019 13:50:05	0.0	0.0
227	6/19/2019 13:51:05	0.0	0.0
228	6/19/2019 13:52:05	0.0	0.0
229	6/19/2019 13:53:05	0.0	0.0
230	6/19/2019 13:54:05	0.0	0.0
231	6/19/2019 13:55:05	0.0	0.0
232	6/19/2019 13:56:05	0.0	0.0
233	6/19/2019 13:57:05	0.0	0.0
234	6/19/2019 13:58:05	0.0	0.0
235	6/19/2019 13:59:05	0.0	0.0
236	6/19/2019 14:00:05	0.0	0.0
237	6/19/2019 14:01:05	0.0	0.0
238	6/19/2019 14:02:05	0.0	0.0
239	6/19/2019 14:03:05	0.0	0.0

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19/06/20 07:54

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Summary

Unit Name MiniRAE 3000 +(PGM-7320)
Unit SN 592-927314
Unit Firmware Ver V2.20

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

Site ID RAE00000
User ID USER0000

Begin 6/20/2019 07:54:45
End 6/20/2019 14:30:40
Sample Period(s) 60
Number of Records 395

Sensor PID(ppm)
Sensor SN S023030197W2
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 6/20/2019 07:49
Peak 0.4
Min 0.0
Average 0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/20/2019 07:55:45	0.0	0.0	0.0	0.0	
002	6/20/2019 07:56:45	0.0	0.0	0.0	0.0	
003	6/20/2019 07:57:45	0.0	0.0	0.0	0.0	
004	6/20/2019 07:58:45	0.0	0.0	0.0	0.0	
005	6/20/2019 07:59:45	0.0	0.0	0.0	0.0	
006	6/20/2019 08:00:45	0.0	0.0	0.0	0.0	
007	6/20/2019 08:01:45	0.0	0.0	0.0	0.0	
008	6/20/2019 08:02:45	0.0	0.0	0.0	0.0	
009	6/20/2019 08:03:45	0.0	0.0	0.0	0.0	
010	6/20/2019 08:04:45	0.0	0.0	0.0	0.0	
011	6/20/2019 08:05:45	0.0	0.0	0.0	0.0	
012	6/20/2019 08:06:45	0.0	0.0	0.0	0.0	
013	6/20/2019 08:07:45	0.0	0.0	0.0	0.0	
014	6/20/2019 08:08:45	0.0	0.0	0.0	0.0	
015	6/20/2019 08:09:45	0.0	0.0	0.0	0.0	
016	6/20/2019 08:10:45	0.0	0.0	0.0	0.0	
017	6/20/2019 08:11:45	0.0	0.0	0.0	0.0	
018	6/20/2019 08:12:45	0.0	0.0	0.0	0.0	
019	6/20/2019 08:13:45	0.0	0.0	0.0	0.0	
020	6/20/2019 08:14:45	0.0	0.0	0.0	0.0	
021	6/20/2019 08:15:45	0.0	0.0	0.0	0.0	
022	6/20/2019 08:16:45	0.0	0.0	0.0	0.0	
023	6/20/2019 08:17:45	0.0	0.0	0.0	0.0	
024	6/20/2019 08:18:45	0.0	0.0	0.0	0.0	
025	6/20/2019 08:19:45	0.0	0.0	0.0	0.0	
026	6/20/2019 08:20:45	0.0	0.0	0.0	0.0	
027	6/20/2019 08:21:45	0.0	0.0	0.0	0.0	
028	6/20/2019 08:22:45	0.0	0.0	0.0	0.0	
029	6/20/2019 08:23:45	0.0	0.0	0.0	0.0	
030	6/20/2019 08:24:45	0.0	0.0	0.0	0.0	

031	6/20/2019	08:25:45	0.0	0.0	0.0	0.0
032	6/20/2019	08:26:45	0.0	0.0	0.0	0.0
033	6/20/2019	08:27:45	0.0	0.0	0.0	0.0
034	6/20/2019	08:28:45	0.0	0.0	0.0	0.0
035	6/20/2019	08:29:45	0.0	0.0	0.0	0.0
036	6/20/2019	08:30:45	0.0	0.0	0.0	0.0
037	6/20/2019	08:31:45	0.0	0.0	0.0	0.0
038	6/20/2019	08:32:45	0.0	0.0	0.0	0.0
039	6/20/2019	08:33:45	0.0	0.0	0.0	0.0
040	6/20/2019	08:34:45	0.0	0.0	0.0	0.0
041	6/20/2019	08:35:45	0.0	0.0	0.0	0.0
042	6/20/2019	08:36:45	0.0	0.0	0.0	0.0
043	6/20/2019	08:37:45	0.0	0.0	0.0	0.0
044	6/20/2019	08:38:45	0.0	0.0	0.0	0.0
045	6/20/2019	08:39:45	0.0	0.0	0.0	0.0
046	6/20/2019	08:40:45	0.0	0.0	0.0	0.0
047	6/20/2019	08:41:45	0.0	0.0	0.0	0.0
048	6/20/2019	08:42:45	0.0	0.0	0.2	0.0
049	6/20/2019	08:43:45	0.0	0.0	0.0	0.0
050	6/20/2019	08:44:45	0.0	0.0	0.0	0.0
051	6/20/2019	08:45:45	0.0	0.0	0.0	0.0
052	6/20/2019	08:46:45	0.0	0.0	0.0	0.0
053	6/20/2019	08:47:45	0.0	0.0	0.0	0.0
054	6/20/2019	08:48:45	0.0	0.0	0.0	0.0
055	6/20/2019	08:49:45	0.0	0.0	0.0	0.0
056	6/20/2019	08:50:45	0.0	0.0	0.0	0.0
057	6/20/2019	08:51:45	0.0	0.0	0.0	0.0
058	6/20/2019	08:52:45	0.0	0.0	0.0	0.0
059	6/20/2019	08:53:45	0.0	0.0	0.0	0.0
060	6/20/2019	08:54:45	0.0	0.0	0.0	0.0
061	6/20/2019	08:55:45	0.0	0.0	0.0	0.0
062	6/20/2019	08:56:45	0.0	0.0	0.1	0.0
063	6/20/2019	08:57:45	0.0	0.0	0.0	0.0
064	6/20/2019	08:58:45	0.0	0.0	0.0	0.0
065	6/20/2019	08:59:45	0.0	0.0	0.1	0.0
066	6/20/2019	09:00:45	0.0	0.0	0.0	0.0
067	6/20/2019	09:01:45	0.0	0.0	0.0	0.0
068	6/20/2019	09:02:45	0.0	0.0	0.0	0.0
069	6/20/2019	09:03:45	0.0	0.0	0.0	0.0
070	6/20/2019	09:04:45	0.0	0.0	0.0	0.0
071	6/20/2019	09:05:45	0.0	0.0	0.0	0.0
072	6/20/2019	09:06:45	0.0	0.0	0.0	0.0
073	6/20/2019	09:07:45	0.0	0.0	0.0	0.0
074	6/20/2019	09:08:45	0.0	0.0	0.0	0.0
075	6/20/2019	09:09:45	0.0	0.0	0.0	0.0
076	6/20/2019	09:10:45	0.0	0.1	0.3	0.2
077	6/20/2019	09:11:45	0.1	0.2	0.7	0.1
078	6/20/2019	09:12:45	0.0	0.1	0.1	0.0
079	6/20/2019	09:13:45	0.0	0.0	0.0	0.0
080	6/20/2019	09:14:45	0.0	0.0	0.0	0.0

081	6/20/2019	09:15:45	0.0	0.0	0.0	0.0
082	6/20/2019	09:16:45	0.0	0.0	0.0	0.0
083	6/20/2019	09:17:45	0.0	0.0	0.0	0.0
084	6/20/2019	09:18:45	0.0	0.0	0.0	0.0
085	6/20/2019	09:19:45	0.0	0.0	0.0	0.0
086	6/20/2019	09:20:45	0.0	0.0	0.0	0.0
087	6/20/2019	09:21:45	0.0	0.0	0.0	0.0
088	6/20/2019	09:22:45	0.0	0.0	0.0	0.0
089	6/20/2019	09:23:45	0.0	0.0	0.0	0.0
090	6/20/2019	09:24:45	0.0	0.0	0.0	0.0
091	6/20/2019	09:25:45	0.0	0.0	0.0	0.0
092	6/20/2019	09:26:45	0.0	0.0	0.0	0.0
093	6/20/2019	09:27:45	0.0	0.0	0.0	0.0
094	6/20/2019	09:28:45	0.0	0.0	0.0	0.0
095	6/20/2019	09:29:45	0.0	0.0	0.0	0.0
096	6/20/2019	09:30:45	0.0	0.0	0.0	0.0
097	6/20/2019	09:31:45	0.0	0.0	0.0	0.0
098	6/20/2019	09:32:45	0.0	0.0	0.0	0.0
099	6/20/2019	09:33:45	0.0	0.0	0.0	0.0
100	6/20/2019	09:34:45	0.0	0.0	0.0	0.0
101	6/20/2019	09:35:45	0.0	0.0	0.0	0.0
102	6/20/2019	09:36:45	0.0	0.0	0.0	0.0
103	6/20/2019	09:37:45	0.0	0.0	0.0	0.0
104	6/20/2019	09:38:45	0.0	0.0	0.0	0.0
105	6/20/2019	09:39:45	0.0	0.0	0.0	0.0
106	6/20/2019	09:40:45	0.0	0.0	0.0	0.0
107	6/20/2019	09:41:45	0.0	0.0	0.0	0.0
108	6/20/2019	09:42:45	0.0	0.0	0.0	0.0
109	6/20/2019	09:43:45	0.0	0.0	0.0	0.0
110	6/20/2019	09:44:45	0.0	0.0	0.0	0.0
111	6/20/2019	09:45:45	0.0	0.0	0.1	0.1
112	6/20/2019	09:46:45	0.0	0.0	0.1	0.0
113	6/20/2019	09:47:45	0.0	0.0	0.0	0.0
114	6/20/2019	09:48:45	0.0	0.0	0.0	0.0
115	6/20/2019	09:49:45	0.0	0.0	0.0	0.0
116	6/20/2019	09:50:45	0.0	0.0	0.0	0.0
117	6/20/2019	09:51:45	0.0	0.0	0.0	0.0
118	6/20/2019	09:52:45	0.0	0.0	0.0	0.0
119	6/20/2019	09:53:45	0.0	0.0	0.0	0.0
120	6/20/2019	09:54:45	0.0	0.0	0.0	0.0
121	6/20/2019	09:55:45	0.0	0.0	0.0	0.0
122	6/20/2019	09:56:45	0.0	0.0	0.0	0.0
123	6/20/2019	09:57:45	0.0	0.0	0.0	0.0
124	6/20/2019	09:58:45	0.0	0.0	0.0	0.0
125	6/20/2019	09:59:45	0.0	0.0	0.0	0.0
126	6/20/2019	10:00:45	0.0	0.0	0.0	0.0
127	6/20/2019	10:01:45	0.0	0.0	0.0	0.0
128	6/20/2019	10:02:45	0.0	0.0	0.0	0.0
129	6/20/2019	10:03:45	0.0	0.0	0.0	0.0
130	6/20/2019	10:04:45	0.0	0.0	0.0	0.0

131	6/20/2019 10:05:45	0.0	0.0	0.0	0.0
132	6/20/2019 10:06:45	0.0	0.0	0.0	0.0
133	6/20/2019 10:07:45	0.0	0.0	0.0	0.0
134	6/20/2019 10:08:45	0.0	0.0	0.0	0.0
135	6/20/2019 10:09:45	0.0	0.0	0.0	0.0
136	6/20/2019 10:10:45	0.0	0.0	0.0	0.0
137	6/20/2019 10:11:45	0.0	0.0	0.0	0.0
138	6/20/2019 10:12:45	0.0	0.1	0.1	0.0
139	6/20/2019 10:13:45	0.0	0.0	0.0	0.0
140	6/20/2019 10:14:45	0.0	0.0	0.0	0.0
141	6/20/2019 10:15:45	0.0	0.0	0.0	0.0
142	6/20/2019 10:16:45	0.0	0.0	0.1	0.0
143	6/20/2019 10:17:45	0.0	0.0	0.0	0.0
144	6/20/2019 10:18:45	0.0	0.0	0.0	0.0
145	6/20/2019 10:19:45	0.0	0.0	0.1	0.1
146	6/20/2019 10:20:45	0.0	0.1	0.1	0.0
147	6/20/2019 10:21:45	0.0	0.0	0.1	0.1
148	6/20/2019 10:22:45	0.0	0.0	0.1	0.0
149	6/20/2019 10:23:45	0.0	0.0	0.0	0.0
150	6/20/2019 10:24:45	0.0	0.0	0.1	0.0
151	6/20/2019 10:25:45	0.0	0.0	0.1	0.0
152	6/20/2019 10:26:45	0.0	0.0	0.1	0.1
153	6/20/2019 10:27:45	0.0	0.1	0.1	0.1
154	6/20/2019 10:28:45	0.1	0.1	0.1	0.1
155	6/20/2019 10:29:45	0.0	0.1	0.1	0.1
156	6/20/2019 10:30:45	0.0	0.1	0.1	0.1
157	6/20/2019 10:31:45	0.0	0.1	0.1	0.1
158	6/20/2019 10:32:45	0.0	0.1	0.1	0.1
159	6/20/2019 10:33:45	0.1	0.1	0.1	0.1
160	6/20/2019 10:34:45	0.1	0.1	0.1	0.1
161	6/20/2019 10:35:45	0.1	0.1	0.1	0.1
162	6/20/2019 10:36:45	0.1	0.1	0.1	0.1
163	6/20/2019 10:37:45	0.1	0.1	0.1	0.1
164	6/20/2019 10:38:45	0.1	0.1	0.1	0.1
165	6/20/2019 10:39:45	0.1	0.1	0.1	0.1
166	6/20/2019 10:40:45	0.1	0.1	0.1	0.1
167	6/20/2019 10:41:45	0.1	0.1	0.1	0.1
168	6/20/2019 10:42:45	0.1	0.1	0.1	0.1
169	6/20/2019 10:43:45	0.1	0.1	0.1	0.1
170	6/20/2019 10:44:45	0.1	0.1	0.1	0.1
171	6/20/2019 10:45:45	0.1	0.1	0.1	0.1
172	6/20/2019 10:46:45	0.1	0.1	0.1	0.1
173	6/20/2019 10:47:45	0.1	0.1	0.1	0.1
174	6/20/2019 10:48:45	0.1	0.1	0.1	0.1
175	6/20/2019 10:49:45	0.1	0.1	0.1	0.1
176	6/20/2019 10:50:45	0.1	0.1	0.1	0.1
177	6/20/2019 10:51:45	0.1	0.1	0.1	0.1
178	6/20/2019 10:52:45	0.1	0.1	0.1	0.1
179	6/20/2019 10:53:45	0.1	0.1	0.1	0.1
180	6/20/2019 10:54:45	0.1	0.1	0.1	0.1

181	6/20/2019	10:55:45	0.1	0.1	0.1	0.1
182	6/20/2019	10:56:45	0.1	0.1	0.1	0.1
183	6/20/2019	10:57:45	0.1	0.1	0.1	0.1
184	6/20/2019	10:58:45	0.1	0.1	0.1	0.1
185	6/20/2019	10:59:45	0.1	0.1	0.1	0.1
186	6/20/2019	11:00:45	0.1	0.1	0.1	0.1
187	6/20/2019	11:01:45	0.1	0.1	0.1	0.1
188	6/20/2019	11:02:45	0.1	0.1	0.1	0.1
189	6/20/2019	11:03:45	0.1	0.1	0.1	0.1
190	6/20/2019	11:04:45	0.1	0.1	0.1	0.1
191	6/20/2019	11:05:45	0.1	0.1	0.1	0.1
192	6/20/2019	11:06:45	0.1	0.1	0.1	0.1
193	6/20/2019	11:07:45	0.1	0.1	0.1	0.1
194	6/20/2019	11:08:45	0.1	0.1	0.1	0.1
195	6/20/2019	11:09:45	0.1	0.1	0.1	0.1
196	6/20/2019	11:10:45	0.1	0.1	0.1	0.1
197	6/20/2019	11:11:45	0.1	0.1	0.1	0.1
198	6/20/2019	11:12:45	0.1	0.1	0.1	0.1
199	6/20/2019	11:13:45	0.1	0.1	0.1	0.1
200	6/20/2019	11:14:45	0.1	0.1	0.1	0.1
201	6/20/2019	11:15:45	0.1	0.1	0.1	0.1
202	6/20/2019	11:16:45	0.1	0.1	0.1	0.1
203	6/20/2019	11:17:45	0.1	0.1	0.1	0.1
204	6/20/2019	11:18:45	0.1	0.1	0.1	0.1
205	6/20/2019	11:19:45	0.1	0.1	0.1	0.1
206	6/20/2019	11:20:45	0.1	0.1	0.1	0.1
207	6/20/2019	11:21:45	0.1	0.1	0.1	0.1
208	6/20/2019	11:22:45	0.1	0.1	0.1	0.1
209	6/20/2019	11:23:45	0.1	0.1	0.1	0.1
210	6/20/2019	11:24:45	0.1	0.1	0.1	0.1
211	6/20/2019	11:25:45	0.1	0.1	0.1	0.1
212	6/20/2019	11:26:45	0.1	0.1	0.1	0.1
213	6/20/2019	11:27:45	0.1	0.1	0.1	0.1
214	6/20/2019	11:28:45	0.1	0.1	0.1	0.1
215	6/20/2019	11:29:45	0.1	0.1	0.1	0.1
216	6/20/2019	11:30:45	0.1	0.1	0.1	0.1
217	6/20/2019	11:31:45	0.1	0.1	0.1	0.1
218	6/20/2019	11:32:45	0.1	0.1	0.1	0.1
219	6/20/2019	11:33:45	0.1	0.1	0.1	0.1
220	6/20/2019	11:34:45	0.1	0.1	0.1	0.1
221	6/20/2019	11:35:45	0.1	0.1	0.1	0.1
222	6/20/2019	11:36:45	0.1	0.1	0.1	0.1
223	6/20/2019	11:37:45	0.1	0.1	0.1	0.1
224	6/20/2019	11:38:45	0.1	0.1	0.1	0.1
225	6/20/2019	11:39:45	0.1	0.1	0.1	0.1
226	6/20/2019	11:40:45	0.1	0.1	0.1	0.1
227	6/20/2019	11:41:45	0.1	0.1	0.1	0.1
228	6/20/2019	11:42:45	0.1	0.1	0.1	0.1
229	6/20/2019	11:43:45	0.1	0.1	0.1	0.1
230	6/20/2019	11:44:45	0.1	0.1	0.1	0.1

231	6/20/2019	11:45:45	0.1	0.1	0.1	0.1
232	6/20/2019	11:46:45	0.1	0.1	0.1	0.1
233	6/20/2019	11:47:45	0.1	0.1	0.1	0.1
234	6/20/2019	11:48:45	0.1	0.1	0.1	0.1
235	6/20/2019	11:49:45	0.1	0.1	0.1	0.1
236	6/20/2019	11:50:45	0.1	0.1	0.1	0.1
237	6/20/2019	11:51:45	0.1	0.1	0.1	0.1
238	6/20/2019	11:52:45	0.1	0.1	0.1	0.1
239	6/20/2019	11:53:45	0.1	0.1	0.1	0.1
240	6/20/2019	11:54:45	0.1	0.1	0.1	0.1
241	6/20/2019	11:55:45	0.1	0.1	0.1	0.1
242	6/20/2019	11:56:45	0.1	0.1	0.1	0.1
243	6/20/2019	11:57:45	0.1	0.1	0.1	0.1
244	6/20/2019	11:58:45	0.1	0.1	0.1	0.1
245	6/20/2019	11:59:45	0.1	0.1	0.1	0.1
246	6/20/2019	12:00:45	0.1	0.1	0.1	0.1
247	6/20/2019	12:01:45	0.1	0.1	0.2	0.2
248	6/20/2019	12:02:45	0.1	0.3	0.4	0.4
249	6/20/2019	12:03:45	0.3	0.3	0.4	0.3
250	6/20/2019	12:04:45	0.2	0.2	0.3	0.2
251	6/20/2019	12:05:45	0.2	0.2	0.2	0.2
252	6/20/2019	12:06:45	0.2	0.2	0.2	0.2
253	6/20/2019	12:07:45	0.2	0.2	0.2	0.2
254	6/20/2019	12:08:45	0.2	0.2	0.2	0.2
255	6/20/2019	12:09:45	0.2	0.2	0.2	0.2
256	6/20/2019	12:10:45	0.2	0.2	0.2	0.2
257	6/20/2019	12:11:45	0.2	0.2	0.2	0.2
258	6/20/2019	12:12:45	0.2	0.2	0.2	0.2
259	6/20/2019	12:13:45	0.2	0.2	0.2	0.2
260	6/20/2019	12:14:45	0.2	0.2	0.2	0.2
261	6/20/2019	12:15:45	0.2	0.2	0.2	0.2
262	6/20/2019	12:16:45	0.2	0.2	0.2	0.2
263	6/20/2019	12:17:45	0.2	0.2	0.2	0.2
264	6/20/2019	12:18:45	0.2	0.2	0.2	0.2
265	6/20/2019	12:19:45	0.2	0.2	0.2	0.2
266	6/20/2019	12:20:45	0.2	0.2	0.2	0.2
267	6/20/2019	12:21:45	0.2	0.2	0.2	0.2
268	6/20/2019	12:22:45	0.2	0.2	0.2	0.2
269	6/20/2019	12:23:45	0.2	0.2	0.2	0.2
270	6/20/2019	12:24:45	0.2	0.2	0.2	0.2
271	6/20/2019	12:25:45	0.2	0.2	0.2	0.2
272	6/20/2019	12:26:45	0.2	0.2	0.2	0.2
273	6/20/2019	12:27:45	0.2	0.2	0.2	0.2
274	6/20/2019	12:28:45	0.2	0.2	0.2	0.2
275	6/20/2019	12:29:45	0.2	0.2	0.2	0.2
276	6/20/2019	12:30:45	0.2	0.2	0.2	0.2
277	6/20/2019	12:31:45	0.2	0.2	0.2	0.2
278	6/20/2019	12:32:45	0.2	0.2	0.2	0.2
279	6/20/2019	12:33:45	0.2	0.2	0.2	0.2
280	6/20/2019	12:34:45	0.2	0.2	0.2	0.2

281	6/20/2019 12:35:45	0.2	0.2	0.2	0.2
282	6/20/2019 12:36:45	0.2	0.2	0.2	0.2
283	6/20/2019 12:37:45	0.2	0.2	0.2	0.2
284	6/20/2019 12:38:45	0.2	0.2	0.2	0.2
285	6/20/2019 12:39:45	0.2	0.2	0.2	0.2
286	6/20/2019 12:40:45	0.2	0.2	0.2	0.2
287	6/20/2019 12:41:45	0.2	0.2	0.2	0.2
288	6/20/2019 12:42:45	0.2	0.2	0.2	0.2
289	6/20/2019 12:43:45	0.2	0.2	0.2	0.2
290	6/20/2019 12:44:45	0.2	0.2	0.2	0.2
291	6/20/2019 12:45:45	0.2	0.2	0.2	0.2
292	6/20/2019 12:46:45	0.2	0.2	0.2	0.2
293	6/20/2019 12:47:45	0.2	0.2	0.2	0.2
294	6/20/2019 12:48:45	0.2	0.2	0.2	0.2
295	6/20/2019 12:49:45	0.2	0.2	0.2	0.2
296	6/20/2019 12:50:45	0.2	0.2	0.2	0.2
297	6/20/2019 12:51:45	0.2	0.2	0.2	0.2
298	6/20/2019 12:52:45	0.2	0.2	0.2	0.2
299	6/20/2019 12:53:45	0.2	0.2	0.2	0.2
300	6/20/2019 12:54:45	0.2	0.2	0.2	0.2
301	6/20/2019 12:55:45	0.2	0.2	0.2	0.2
302	6/20/2019 12:56:45	0.2	0.2	0.2	0.2
303	6/20/2019 12:57:45	0.2	0.2	0.2	0.2
304	6/20/2019 12:58:45	0.2	0.2	0.2	0.2
305	6/20/2019 12:59:45	0.2	0.2	0.2	0.2
306	6/20/2019 13:00:45	0.2	0.2	0.2	0.2
307	6/20/2019 13:01:45	0.1	0.2	0.2	0.1
308	6/20/2019 13:02:45	0.1	0.1	0.2	0.2
309	6/20/2019 13:03:45	0.1	0.2	0.2	0.2
310	6/20/2019 13:04:45	0.1	0.2	0.2	0.1
311	6/20/2019 13:05:45	0.1	0.1	0.1	0.1
312	6/20/2019 13:06:45	0.1	0.1	0.1	0.1
313	6/20/2019 13:07:45	0.1	0.1	0.1	0.1
314	6/20/2019 13:08:45	0.1	0.1	0.1	0.1
315	6/20/2019 13:09:45	0.1	0.1	0.1	0.1
316	6/20/2019 13:10:45	0.1	0.1	0.1	0.1
317	6/20/2019 13:11:45	0.1	0.1	0.1	0.1
318	6/20/2019 13:12:45	0.1	0.1	0.1	0.1
319	6/20/2019 13:13:45	0.1	0.1	0.1	0.1
320	6/20/2019 13:14:45	0.1	0.1	0.1	0.1
321	6/20/2019 13:15:45	0.1	0.1	0.1	0.1
322	6/20/2019 13:16:45	0.1	0.1	0.1	0.1
323	6/20/2019 13:17:45	0.1	0.1	0.1	0.1
324	6/20/2019 13:18:45	0.1	0.1	0.1	0.1
325	6/20/2019 13:19:45	0.1	0.1	0.1	0.1
326	6/20/2019 13:20:45	0.1	0.1	0.1	0.1
327	6/20/2019 13:21:45	0.1	0.1	0.1	0.1
328	6/20/2019 13:22:45	0.1	0.1	0.1	0.1
329	6/20/2019 13:23:45	0.1	0.1	0.1	0.1
330	6/20/2019 13:24:45	0.1	0.1	0.1	0.1

331	6/20/2019	13:25:45	0.1	0.1	0.1	0.1
332	6/20/2019	13:26:45	0.1	0.1	0.1	0.1
333	6/20/2019	13:27:45	0.1	0.1	0.1	0.1
334	6/20/2019	13:28:45	0.1	0.1	0.1	0.1
335	6/20/2019	13:29:45	0.1	0.1	0.1	0.1
336	6/20/2019	13:30:45	0.1	0.1	0.1	0.1
337	6/20/2019	13:31:45	0.1	0.1	0.1	0.1
338	6/20/2019	13:32:45	0.1	0.1	0.1	0.1
339	6/20/2019	13:33:45	0.1	0.1	0.1	0.1
340	6/20/2019	13:34:45	0.1	0.1	0.1	0.1
341	6/20/2019	13:35:45	0.1	0.1	0.1	0.1
342	6/20/2019	13:36:45	0.1	0.1	0.1	0.1
343	6/20/2019	13:37:45	0.1	0.1	0.1	0.1
344	6/20/2019	13:38:45	0.1	0.1	0.1	0.1
345	6/20/2019	13:39:45	0.1	0.1	0.1	0.1
346	6/20/2019	13:40:45	0.1	0.1	0.1	0.1
347	6/20/2019	13:41:45	0.1	0.1	0.1	0.1
348	6/20/2019	13:42:45	0.1	0.1	0.1	0.1
349	6/20/2019	13:43:45	0.1	0.1	0.1	0.1
350	6/20/2019	13:44:45	0.1	0.1	0.1	0.1
351	6/20/2019	13:45:45	0.1	0.1	0.1	0.1
352	6/20/2019	13:46:45	0.1	0.1	0.1	0.1
353	6/20/2019	13:47:45	0.1	0.1	0.1	0.1
354	6/20/2019	13:48:45	0.1	0.1	0.1	0.1
355	6/20/2019	13:49:45	0.1	0.1	0.1	0.1
356	6/20/2019	13:50:45	0.1	0.1	0.1	0.1
357	6/20/2019	13:51:45	0.1	0.1	0.1	0.1
358	6/20/2019	13:52:45	0.1	0.1	0.1	0.1
359	6/20/2019	13:53:45	0.1	0.1	0.1	0.1
360	6/20/2019	13:54:45	0.1	0.1	0.1	0.1
361	6/20/2019	13:55:45	0.1	0.1	0.1	0.1
362	6/20/2019	13:56:45	0.1	0.1	0.1	0.1
363	6/20/2019	13:57:45	0.1	0.1	0.1	0.1
364	6/20/2019	13:58:45	0.1	0.1	0.1	0.1
365	6/20/2019	13:59:45	0.1	0.1	0.1	0.1
366	6/20/2019	14:00:45	0.1	0.1	0.1	0.1
367	6/20/2019	14:01:45	0.1	0.1	0.1	0.1
368	6/20/2019	14:02:45	0.1	0.1	0.1	0.1
369	6/20/2019	14:03:45	0.1	0.1	0.1	0.1
370	6/20/2019	14:04:45	0.1	0.1	0.1	0.1
371	6/20/2019	14:05:45	0.1	0.1	0.1	0.1
372	6/20/2019	14:06:45	0.1	0.1	0.1	0.1
373	6/20/2019	14:07:45	0.1	0.1	0.1	0.1
374	6/20/2019	14:08:45	0.1	0.1	0.1	0.1
375	6/20/2019	14:09:45	0.1	0.1	0.1	0.1
376	6/20/2019	14:10:45	0.1	0.1	0.1	0.1
377	6/20/2019	14:11:45	0.1	0.1	0.1	0.1
378	6/20/2019	14:12:45	0.1	0.1	0.1	0.1
379	6/20/2019	14:13:45	0.1	0.1	0.1	0.1
380	6/20/2019	14:14:45	0.1	0.1	0.1	0.1

381	6/20/2019 14:15:45	0.1	0.1	0.1	0.1
382	6/20/2019 14:16:45	0.1	0.1	0.1	0.1
383	6/20/2019 14:17:45	0.1	0.1	0.1	0.1
384	6/20/2019 14:18:45	0.1	0.1	0.1	0.1
385	6/20/2019 14:19:45	0.1	0.1	0.1	0.1
386	6/20/2019 14:20:45	0.1	0.1	0.1	0.1
387	6/20/2019 14:21:45	0.1	0.1	0.1	0.1
388	6/20/2019 14:22:45	0.1	0.1	0.2	0.1
389	6/20/2019 14:23:45	0.1	0.1	0.1	0.1
390	6/20/2019 14:24:45	0.1	0.1	0.1	0.1
391	6/20/2019 14:25:45	0.1	0.1	0.1	0.1
392	6/20/2019 14:26:45	0.1	0.1	0.1	0.1
393	6/20/2019 14:27:45	0.1	0.1	0.2	0.1
394	6/20/2019 14:28:45	0.1	0.1	0.1	0.1
395	6/20/2019 14:29:45	0.1	0.1	0.2	0.1
Peak		0.3	0.3	0.7	0.4
Min		0.0	0.0	0.0	0.0
Average		0.1	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/20/2019 07:55:45	0.0	---
002	6/20/2019 07:56:45	0.0	---
003	6/20/2019 07:57:45	0.0	---
004	6/20/2019 07:58:45	0.0	---
005	6/20/2019 07:59:45	0.0	---
006	6/20/2019 08:00:45	0.0	---
007	6/20/2019 08:01:45	0.0	---
008	6/20/2019 08:02:45	0.0	---
009	6/20/2019 08:03:45	0.0	---
010	6/20/2019 08:04:45	0.0	---
011	6/20/2019 08:05:45	0.0	---
012	6/20/2019 08:06:45	0.0	---
013	6/20/2019 08:07:45	0.0	---
014	6/20/2019 08:08:45	0.0	---
015	6/20/2019 08:09:45	0.0	0.0
016	6/20/2019 08:10:45	0.0	0.0
017	6/20/2019 08:11:45	0.0	0.0
018	6/20/2019 08:12:45	0.0	0.0
019	6/20/2019 08:13:45	0.0	0.0
020	6/20/2019 08:14:45	0.0	0.0
021	6/20/2019 08:15:45	0.0	0.0
022	6/20/2019 08:16:45	0.0	0.0
023	6/20/2019 08:17:45	0.0	0.0
024	6/20/2019 08:18:45	0.0	0.0
025	6/20/2019 08:19:45	0.0	0.0
026	6/20/2019 08:20:45	0.0	0.0
027	6/20/2019 08:21:45	0.0	0.0

028	6/20/2019 08:22:45	0.0	0.0
029	6/20/2019 08:23:45	0.0	0.0
030	6/20/2019 08:24:45	0.0	0.0
031	6/20/2019 08:25:45	0.0	0.0
032	6/20/2019 08:26:45	0.0	0.0
033	6/20/2019 08:27:45	0.0	0.0
034	6/20/2019 08:28:45	0.0	0.0
035	6/20/2019 08:29:45	0.0	0.0
036	6/20/2019 08:30:45	0.0	0.0
037	6/20/2019 08:31:45	0.0	0.0
038	6/20/2019 08:32:45	0.0	0.0
039	6/20/2019 08:33:45	0.0	0.0
040	6/20/2019 08:34:45	0.0	0.0
041	6/20/2019 08:35:45	0.0	0.0
042	6/20/2019 08:36:45	0.0	0.0
043	6/20/2019 08:37:45	0.0	0.0
044	6/20/2019 08:38:45	0.0	0.0
045	6/20/2019 08:39:45	0.0	0.0
046	6/20/2019 08:40:45	0.0	0.0
047	6/20/2019 08:41:45	0.0	0.0
048	6/20/2019 08:42:45	0.0	0.0
049	6/20/2019 08:43:45	0.0	0.0
050	6/20/2019 08:44:45	0.0	0.0
051	6/20/2019 08:45:45	0.0	0.0
052	6/20/2019 08:46:45	0.0	0.0
053	6/20/2019 08:47:45	0.0	0.0
054	6/20/2019 08:48:45	0.0	0.0
055	6/20/2019 08:49:45	0.0	0.0
056	6/20/2019 08:50:45	0.0	0.0
057	6/20/2019 08:51:45	0.0	0.0
058	6/20/2019 08:52:45	0.0	0.0
059	6/20/2019 08:53:45	0.0	0.0
060	6/20/2019 08:54:45	0.0	0.0
061	6/20/2019 08:55:45	0.0	0.0
062	6/20/2019 08:56:45	0.0	0.0
063	6/20/2019 08:57:45	0.0	0.0
064	6/20/2019 08:58:45	0.0	0.0
065	6/20/2019 08:59:45	0.0	0.0
066	6/20/2019 09:00:45	0.0	0.0
067	6/20/2019 09:01:45	0.0	0.0
068	6/20/2019 09:02:45	0.0	0.0
069	6/20/2019 09:03:45	0.0	0.0
070	6/20/2019 09:04:45	0.0	0.0
071	6/20/2019 09:05:45	0.0	0.0
072	6/20/2019 09:06:45	0.0	0.0
073	6/20/2019 09:07:45	0.0	0.0
074	6/20/2019 09:08:45	0.0	0.0
075	6/20/2019 09:09:45	0.0	0.0
076	6/20/2019 09:10:45	0.0	0.0
077	6/20/2019 09:11:45	0.0	0.0

078	6/20/2019 09:12:45	0.0	0.0
079	6/20/2019 09:13:45	0.0	0.0
080	6/20/2019 09:14:45	0.0	0.0
081	6/20/2019 09:15:45	0.0	0.0
082	6/20/2019 09:16:45	0.0	0.0
083	6/20/2019 09:17:45	0.0	0.0
084	6/20/2019 09:18:45	0.0	0.0
085	6/20/2019 09:19:45	0.0	0.0
086	6/20/2019 09:20:45	0.0	0.0
087	6/20/2019 09:21:45	0.0	0.0
088	6/20/2019 09:22:45	0.0	0.0
089	6/20/2019 09:23:45	0.0	0.0
090	6/20/2019 09:24:45	0.0	0.0
091	6/20/2019 09:25:45	0.0	0.0
092	6/20/2019 09:26:45	0.0	0.0
093	6/20/2019 09:27:45	0.0	0.0
094	6/20/2019 09:28:45	0.0	0.0
095	6/20/2019 09:29:45	0.0	0.0
096	6/20/2019 09:30:45	0.0	0.0
097	6/20/2019 09:31:45	0.0	0.0
098	6/20/2019 09:32:45	0.0	0.0
099	6/20/2019 09:33:45	0.0	0.0
100	6/20/2019 09:34:45	0.0	0.0
101	6/20/2019 09:35:45	0.0	0.0
102	6/20/2019 09:36:45	0.0	0.0
103	6/20/2019 09:37:45	0.0	0.0
104	6/20/2019 09:38:45	0.0	0.0
105	6/20/2019 09:39:45	0.0	0.0
106	6/20/2019 09:40:45	0.0	0.0
107	6/20/2019 09:41:45	0.0	0.0
108	6/20/2019 09:42:45	0.0	0.0
109	6/20/2019 09:43:45	0.0	0.0
110	6/20/2019 09:44:45	0.0	0.0
111	6/20/2019 09:45:45	0.0	0.0
112	6/20/2019 09:46:45	0.0	0.0
113	6/20/2019 09:47:45	0.0	0.0
114	6/20/2019 09:48:45	0.0	0.0
115	6/20/2019 09:49:45	0.0	0.0
116	6/20/2019 09:50:45	0.0	0.0
117	6/20/2019 09:51:45	0.0	0.0
118	6/20/2019 09:52:45	0.0	0.0
119	6/20/2019 09:53:45	0.0	0.0
120	6/20/2019 09:54:45	0.0	0.0
121	6/20/2019 09:55:45	0.0	0.0
122	6/20/2019 09:56:45	0.0	0.0
123	6/20/2019 09:57:45	0.0	0.0
124	6/20/2019 09:58:45	0.0	0.0
125	6/20/2019 09:59:45	0.0	0.0
126	6/20/2019 10:00:45	0.0	0.0
127	6/20/2019 10:01:45	0.0	0.0

128	6/20/2019 10:02:45	0.0	0.0
129	6/20/2019 10:03:45	0.0	0.0
130	6/20/2019 10:04:45	0.0	0.0
131	6/20/2019 10:05:45	0.0	0.0
132	6/20/2019 10:06:45	0.0	0.0
133	6/20/2019 10:07:45	0.0	0.0
134	6/20/2019 10:08:45	0.0	0.0
135	6/20/2019 10:09:45	0.0	0.0
136	6/20/2019 10:10:45	0.0	0.0
137	6/20/2019 10:11:45	0.0	0.0
138	6/20/2019 10:12:45	0.0	0.0
139	6/20/2019 10:13:45	0.0	0.0
140	6/20/2019 10:14:45	0.0	0.0
141	6/20/2019 10:15:45	0.0	0.0
142	6/20/2019 10:16:45	0.0	0.0
143	6/20/2019 10:17:45	0.0	0.0
144	6/20/2019 10:18:45	0.0	0.0
145	6/20/2019 10:19:45	0.0	0.0
146	6/20/2019 10:20:45	0.0	0.0
147	6/20/2019 10:21:45	0.0	0.0
148	6/20/2019 10:22:45	0.0	0.0
149	6/20/2019 10:23:45	0.0	0.0
150	6/20/2019 10:24:45	0.0	0.0
151	6/20/2019 10:25:45	0.0	0.0
152	6/20/2019 10:26:45	0.0	0.0
153	6/20/2019 10:27:45	0.0	0.0
154	6/20/2019 10:28:45	0.0	0.0
155	6/20/2019 10:29:45	0.0	0.0
156	6/20/2019 10:30:45	0.0	0.0
157	6/20/2019 10:31:45	0.0	0.1
158	6/20/2019 10:32:45	0.0	0.1
159	6/20/2019 10:33:45	0.0	0.1
160	6/20/2019 10:34:45	0.0	0.1
161	6/20/2019 10:35:45	0.0	0.1
162	6/20/2019 10:36:45	0.0	0.1
163	6/20/2019 10:37:45	0.0	0.1
164	6/20/2019 10:38:45	0.0	0.1
165	6/20/2019 10:39:45	0.0	0.1
166	6/20/2019 10:40:45	0.0	0.1
167	6/20/2019 10:41:45	0.0	0.1
168	6/20/2019 10:42:45	0.0	0.1
169	6/20/2019 10:43:45	0.0	0.1
170	6/20/2019 10:44:45	0.0	0.1
171	6/20/2019 10:45:45	0.0	0.1
172	6/20/2019 10:46:45	0.0	0.1
173	6/20/2019 10:47:45	0.0	0.1
174	6/20/2019 10:48:45	0.0	0.1
175	6/20/2019 10:49:45	0.0	0.1
176	6/20/2019 10:50:45	0.0	0.1
177	6/20/2019 10:51:45	0.0	0.1

178	6/20/2019 10:52:45	0.0	0.1
179	6/20/2019 10:53:45	0.0	0.1
180	6/20/2019 10:54:45	0.0	0.1
181	6/20/2019 10:55:45	0.0	0.1
182	6/20/2019 10:56:45	0.0	0.1
183	6/20/2019 10:57:45	0.0	0.1
184	6/20/2019 10:58:45	0.0	0.1
185	6/20/2019 10:59:45	0.0	0.1
186	6/20/2019 11:00:45	0.0	0.1
187	6/20/2019 11:01:45	0.0	0.1
188	6/20/2019 11:02:45	0.0	0.1
189	6/20/2019 11:03:45	0.0	0.1
190	6/20/2019 11:04:45	0.0	0.1
191	6/20/2019 11:05:45	0.0	0.1
192	6/20/2019 11:06:45	0.0	0.1
193	6/20/2019 11:07:45	0.0	0.1
194	6/20/2019 11:08:45	0.0	0.1
195	6/20/2019 11:09:45	0.0	0.1
196	6/20/2019 11:10:45	0.0	0.1
197	6/20/2019 11:11:45	0.0	0.1
198	6/20/2019 11:12:45	0.0	0.1
199	6/20/2019 11:13:45	0.0	0.1
200	6/20/2019 11:14:45	0.0	0.1
201	6/20/2019 11:15:45	0.0	0.1
202	6/20/2019 11:16:45	0.0	0.1
203	6/20/2019 11:17:45	0.0	0.1
204	6/20/2019 11:18:45	0.0	0.1
205	6/20/2019 11:19:45	0.0	0.1
206	6/20/2019 11:20:45	0.0	0.1
207	6/20/2019 11:21:45	0.0	0.1
208	6/20/2019 11:22:45	0.0	0.1
209	6/20/2019 11:23:45	0.0	0.1
210	6/20/2019 11:24:45	0.0	0.1
211	6/20/2019 11:25:45	0.0	0.1
212	6/20/2019 11:26:45	0.0	0.1
213	6/20/2019 11:27:45	0.0	0.1
214	6/20/2019 11:28:45	0.0	0.1
215	6/20/2019 11:29:45	0.0	0.1
216	6/20/2019 11:30:45	0.0	0.1
217	6/20/2019 11:31:45	0.0	0.1
218	6/20/2019 11:32:45	0.0	0.1
219	6/20/2019 11:33:45	0.0	0.1
220	6/20/2019 11:34:45	0.0	0.1
221	6/20/2019 11:35:45	0.0	0.1
222	6/20/2019 11:36:45	0.0	0.1
223	6/20/2019 11:37:45	0.0	0.1
224	6/20/2019 11:38:45	0.0	0.1
225	6/20/2019 11:39:45	0.0	0.1
226	6/20/2019 11:40:45	0.0	0.1
227	6/20/2019 11:41:45	0.0	0.1

228	6/20/2019 11:42:45	0.0	0.1
229	6/20/2019 11:43:45	0.0	0.1
230	6/20/2019 11:44:45	0.0	0.1
231	6/20/2019 11:45:45	0.0	0.1
232	6/20/2019 11:46:45	0.0	0.1
233	6/20/2019 11:47:45	0.0	0.1
234	6/20/2019 11:48:45	0.0	0.1
235	6/20/2019 11:49:45	0.0	0.1
236	6/20/2019 11:50:45	0.0	0.1
237	6/20/2019 11:51:45	0.0	0.1
238	6/20/2019 11:52:45	0.0	0.1
239	6/20/2019 11:53:45	0.0	0.1
240	6/20/2019 11:54:45	0.0	0.1
241	6/20/2019 11:55:45	0.0	0.1
242	6/20/2019 11:56:45	0.0	0.1
243	6/20/2019 11:57:45	0.0	0.1
244	6/20/2019 11:58:45	0.0	0.1
245	6/20/2019 11:59:45	0.0	0.1
246	6/20/2019 12:00:45	0.0	0.1
247	6/20/2019 12:01:45	0.0	0.1
248	6/20/2019 12:02:45	0.0	0.1
249	6/20/2019 12:03:45	0.0	0.1
250	6/20/2019 12:04:45	0.0	0.2
251	6/20/2019 12:05:45	0.0	0.2
252	6/20/2019 12:06:45	0.0	0.2
253	6/20/2019 12:07:45	0.0	0.2
254	6/20/2019 12:08:45	0.0	0.2
255	6/20/2019 12:09:45	0.0	0.2
256	6/20/2019 12:10:45	0.0	0.2
257	6/20/2019 12:11:45	0.0	0.2
258	6/20/2019 12:12:45	0.0	0.2
259	6/20/2019 12:13:45	0.0	0.2
260	6/20/2019 12:14:45	0.0	0.2
261	6/20/2019 12:15:45	0.0	0.2
262	6/20/2019 12:16:45	0.0	0.2
263	6/20/2019 12:17:45	0.0	0.2
264	6/20/2019 12:18:45	0.0	0.2
265	6/20/2019 12:19:45	0.0	0.2
266	6/20/2019 12:20:45	0.0	0.2
267	6/20/2019 12:21:45	0.0	0.2
268	6/20/2019 12:22:45	0.0	0.2
269	6/20/2019 12:23:45	0.0	0.2
270	6/20/2019 12:24:45	0.0	0.2
271	6/20/2019 12:25:45	0.0	0.2
272	6/20/2019 12:26:45	0.0	0.2
273	6/20/2019 12:27:45	0.0	0.2
274	6/20/2019 12:28:45	0.0	0.2
275	6/20/2019 12:29:45	0.0	0.2
276	6/20/2019 12:30:45	0.0	0.2
277	6/20/2019 12:31:45	0.0	0.2

278	6/20/2019 12:32:45	0.0	0.2
279	6/20/2019 12:33:45	0.0	0.2
280	6/20/2019 12:34:45	0.0	0.2
281	6/20/2019 12:35:45	0.0	0.2
282	6/20/2019 12:36:45	0.0	0.2
283	6/20/2019 12:37:45	0.0	0.2
284	6/20/2019 12:38:45	0.0	0.2
285	6/20/2019 12:39:45	0.0	0.2
286	6/20/2019 12:40:45	0.0	0.2
287	6/20/2019 12:41:45	0.0	0.2
288	6/20/2019 12:42:45	0.0	0.2
289	6/20/2019 12:43:45	0.0	0.2
290	6/20/2019 12:44:45	0.0	0.2
291	6/20/2019 12:45:45	0.0	0.2
292	6/20/2019 12:46:45	0.0	0.2
293	6/20/2019 12:47:45	0.0	0.2
294	6/20/2019 12:48:45	0.0	0.2
295	6/20/2019 12:49:45	0.0	0.2
296	6/20/2019 12:50:45	0.0	0.2
297	6/20/2019 12:51:45	0.0	0.2
298	6/20/2019 12:52:45	0.0	0.2
299	6/20/2019 12:53:45	0.0	0.2
300	6/20/2019 12:54:45	0.0	0.2
301	6/20/2019 12:55:45	0.0	0.2
302	6/20/2019 12:56:45	0.0	0.2
303	6/20/2019 12:57:45	0.0	0.2
304	6/20/2019 12:58:45	0.0	0.2
305	6/20/2019 12:59:45	0.0	0.2
306	6/20/2019 13:00:45	0.0	0.2
307	6/20/2019 13:01:45	0.0	0.2
308	6/20/2019 13:02:45	0.0	0.2
309	6/20/2019 13:03:45	0.0	0.2
310	6/20/2019 13:04:45	0.0	0.2
311	6/20/2019 13:05:45	0.0	0.2
312	6/20/2019 13:06:45	0.0	0.2
313	6/20/2019 13:07:45	0.0	0.2
314	6/20/2019 13:08:45	0.0	0.2
315	6/20/2019 13:09:45	0.0	0.2
316	6/20/2019 13:10:45	0.0	0.2
317	6/20/2019 13:11:45	0.0	0.2
318	6/20/2019 13:12:45	0.0	0.1
319	6/20/2019 13:13:45	0.0	0.1
320	6/20/2019 13:14:45	0.1	0.1
321	6/20/2019 13:15:45	0.1	0.1
322	6/20/2019 13:16:45	0.1	0.1
323	6/20/2019 13:17:45	0.1	0.1
324	6/20/2019 13:18:45	0.1	0.1
325	6/20/2019 13:19:45	0.1	0.1
326	6/20/2019 13:20:45	0.1	0.1
327	6/20/2019 13:21:45	0.1	0.1

328	6/20/2019 13:22:45	0.1	0.1
329	6/20/2019 13:23:45	0.1	0.1
330	6/20/2019 13:24:45	0.1	0.1
331	6/20/2019 13:25:45	0.1	0.1
332	6/20/2019 13:26:45	0.1	0.1
333	6/20/2019 13:27:45	0.1	0.1
334	6/20/2019 13:28:45	0.1	0.1
335	6/20/2019 13:29:45	0.1	0.1
336	6/20/2019 13:30:45	0.1	0.1
337	6/20/2019 13:31:45	0.1	0.1
338	6/20/2019 13:32:45	0.1	0.1
339	6/20/2019 13:33:45	0.1	0.1
340	6/20/2019 13:34:45	0.1	0.1
341	6/20/2019 13:35:45	0.1	0.1
342	6/20/2019 13:36:45	0.1	0.1
343	6/20/2019 13:37:45	0.1	0.1
344	6/20/2019 13:38:45	0.1	0.1
345	6/20/2019 13:39:45	0.1	0.1
346	6/20/2019 13:40:45	0.1	0.1
347	6/20/2019 13:41:45	0.1	0.1
348	6/20/2019 13:42:45	0.1	0.1
349	6/20/2019 13:43:45	0.1	0.1
350	6/20/2019 13:44:45	0.1	0.1
351	6/20/2019 13:45:45	0.1	0.1
352	6/20/2019 13:46:45	0.1	0.1
353	6/20/2019 13:47:45	0.1	0.1
354	6/20/2019 13:48:45	0.1	0.1
355	6/20/2019 13:49:45	0.1	0.1
356	6/20/2019 13:50:45	0.1	0.1
357	6/20/2019 13:51:45	0.1	0.1
358	6/20/2019 13:52:45	0.1	0.1
359	6/20/2019 13:53:45	0.1	0.1
360	6/20/2019 13:54:45	0.1	0.1
361	6/20/2019 13:55:45	0.1	0.1
362	6/20/2019 13:56:45	0.1	0.1
363	6/20/2019 13:57:45	0.1	0.1
364	6/20/2019 13:58:45	0.1	0.1
365	6/20/2019 13:59:45	0.1	0.1
366	6/20/2019 14:00:45	0.1	0.1
367	6/20/2019 14:01:45	0.1	0.1
368	6/20/2019 14:02:45	0.1	0.1
369	6/20/2019 14:03:45	0.1	0.1
370	6/20/2019 14:04:45	0.1	0.1
371	6/20/2019 14:05:45	0.1	0.1
372	6/20/2019 14:06:45	0.1	0.1
373	6/20/2019 14:07:45	0.1	0.1
374	6/20/2019 14:08:45	0.1	0.1
375	6/20/2019 14:09:45	0.1	0.1
376	6/20/2019 14:10:45	0.1	0.1
377	6/20/2019 14:11:45	0.1	0.1

378	6/20/2019 14:12:45	0.1	0.1
379	6/20/2019 14:13:45	0.1	0.1
380	6/20/2019 14:14:45	0.1	0.1
381	6/20/2019 14:15:45	0.1	0.1
382	6/20/2019 14:16:45	0.1	0.1
383	6/20/2019 14:17:45	0.1	0.1
384	6/20/2019 14:18:45	0.1	0.1
385	6/20/2019 14:19:45	0.1	0.1
386	6/20/2019 14:20:45	0.1	0.1
387	6/20/2019 14:21:45	0.1	0.1
388	6/20/2019 14:22:45	0.1	0.1
389	6/20/2019 14:23:45	0.1	0.1
390	6/20/2019 14:24:45	0.1	0.1
391	6/20/2019 14:25:45	0.1	0.1
392	6/20/2019 14:26:45	0.1	0.1
393	6/20/2019 14:27:45	0.1	0.1
394	6/20/2019 14:28:45	0.1	0.1
395	6/20/2019 14:29:45	0.1	0.1

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19/06/21 14:25

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Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-927314
Unit Firmware Ver	V2.20

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

Site ID	RAE00000
User ID	USER0000

Begin	6/21/2019 14:25:35
End	6/21/2019 14:25:47
Sample Period(s)	60
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030197W2
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	100.0
TWA Alarm	50.0

Measurement Gas Isobutylene
Calibration Time 6/21/2019 08:34

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Datalog

0 record.

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============================================================
19/06/24 07:48
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000 +(PGM-7320)
Unit SN 592-927314
Unit Firmware Ver       V2.20
------------------------------------------------------------
Running Mode    Hygiene Mode
Datalog Mode    Auto
Diagnostic Mode No
Stop Reason     Power Down
------------------------------------------------------------
Site ID RAE00000
User ID USER0000
------------------------------------------------------------
Begin   6/24/2019 07:48:01
End     6/24/2019 13:42:43
Sample Period(s)        60
Number of Records       354
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030197W2
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      100.0
TWA Alarm       50.0
Measurement Gas Isobutylene
Calibration Time        6/24/2019 07:11
Peak    0.3
Min     0.0
Average 0.1

************************************************************
Datalog
                PID(ppm)        PID(ppm)        PID(ppm)        PID(ppm)
Index   Date/Time       (Min)   (Avg)   (Max)   (Real)
001     6/24/2019 07:49:01      0.0     0.0     0.0     0.0
002     6/24/2019 07:50:01      0.0     0.0     0.0     0.0
003     6/24/2019 07:51:01      0.0     0.0     0.0     0.0
004     6/24/2019 07:52:01      0.0     0.0     0.0     0.0
005     6/24/2019 07:53:01      0.0     0.0     0.0     0.0
006     6/24/2019 07:54:01      0.0     0.0     0.0     0.0
007     6/24/2019 07:55:01      0.0     0.0     0.0     0.0
008     6/24/2019 07:56:01      0.0     0.0     0.0     0.0
```

009	6/24/2019	07:57:01	0.0	0.0	0.0	0.0
010	6/24/2019	07:58:01	0.0	0.0	0.0	0.0
011	6/24/2019	07:59:01	0.0	0.0	0.0	0.0
012	6/24/2019	08:00:01	0.0	0.0	0.0	0.0
013	6/24/2019	08:01:01	0.0	0.0	0.0	0.0
014	6/24/2019	08:02:01	0.0	0.0	0.0	0.0
015	6/24/2019	08:03:01	0.0	0.0	0.0	0.0
016	6/24/2019	08:04:01	0.0	0.0	0.0	0.0
017	6/24/2019	08:05:01	0.0	0.0	0.0	0.0
018	6/24/2019	08:06:01	0.0	0.0	0.0	0.0
019	6/24/2019	08:07:01	0.0	0.0	0.0	0.0
020	6/24/2019	08:08:01	0.0	0.0	0.0	0.0
021	6/24/2019	08:09:01	0.0	0.0	0.0	0.0
022	6/24/2019	08:10:01	0.0	0.0	0.0	0.0
023	6/24/2019	08:11:01	0.0	0.0	0.0	0.0
024	6/24/2019	08:12:01	0.0	0.0	0.0	0.0
025	6/24/2019	08:13:01	0.0	0.0	0.0	0.0
026	6/24/2019	08:14:01	0.0	0.0	0.0	0.0
027	6/24/2019	08:15:01	0.0	0.0	0.0	0.0
028	6/24/2019	08:16:01	0.0	0.0	0.0	0.0
029	6/24/2019	08:17:01	0.0	0.0	0.0	0.0
030	6/24/2019	08:18:01	0.0	0.0	0.0	0.0
031	6/24/2019	08:19:01	0.0	0.0	0.0	0.0
032	6/24/2019	08:20:01	0.0	0.0	0.0	0.0
033	6/24/2019	08:21:01	0.0	0.0	0.0	0.0
034	6/24/2019	08:22:01	0.0	0.0	0.0	0.0
035	6/24/2019	08:23:01	0.0	0.0	0.0	0.0
036	6/24/2019	08:24:01	0.0	0.0	0.0	0.0
037	6/24/2019	08:25:01	0.0	0.0	0.0	0.0
038	6/24/2019	08:26:01	0.0	0.0	0.0	0.0
039	6/24/2019	08:27:01	0.0	0.0	0.0	0.0
040	6/24/2019	08:28:01	0.0	0.0	0.0	0.0
041	6/24/2019	08:29:01	0.0	0.0	0.0	0.0
042	6/24/2019	08:30:01	0.0	0.0	0.0	0.0
043	6/24/2019	08:31:01	0.0	0.0	0.0	0.0
044	6/24/2019	08:32:01	0.0	0.0	0.0	0.0
045	6/24/2019	08:33:01	0.0	0.0	0.0	0.0
046	6/24/2019	08:34:01	0.0	0.0	0.0	0.0
047	6/24/2019	08:35:01	0.0	0.0	0.0	0.0
048	6/24/2019	08:36:01	0.0	0.0	0.0	0.0
049	6/24/2019	08:37:01	0.0	0.0	0.0	0.0
050	6/24/2019	08:38:01	0.0	0.0	0.0	0.0
051	6/24/2019	08:39:01	0.0	0.0	0.0	0.0
052	6/24/2019	08:40:01	0.0	0.0	0.0	0.0
053	6/24/2019	08:41:01	0.0	0.0	0.0	0.0
054	6/24/2019	08:42:01	0.0	0.0	0.0	0.0
055	6/24/2019	08:43:01	0.0	0.0	0.0	0.0
056	6/24/2019	08:44:01	0.0	0.0	0.0	0.0
057	6/24/2019	08:45:01	0.0	0.0	0.0	0.0
058	6/24/2019	08:46:01	0.0	0.0	0.0	0.0

059	6/24/2019	08:47:01	0.0	0.0	0.0	0.0
060	6/24/2019	08:48:01	0.0	0.0	0.0	0.0
061	6/24/2019	08:49:01	0.0	0.0	0.0	0.0
062	6/24/2019	08:50:01	0.0	0.0	0.0	0.0
063	6/24/2019	08:51:01	0.0	0.0	0.0	0.0
064	6/24/2019	08:52:01	0.0	0.0	0.0	0.0
065	6/24/2019	08:53:01	0.0	0.0	0.0	0.0
066	6/24/2019	08:54:01	0.0	0.0	0.0	0.0
067	6/24/2019	08:55:01	0.0	0.0	0.0	0.0
068	6/24/2019	08:56:01	0.0	0.0	0.0	0.0
069	6/24/2019	08:57:01	0.0	0.0	0.0	0.0
070	6/24/2019	08:58:01	0.0	0.0	0.0	0.0
071	6/24/2019	08:59:01	0.0	0.0	0.0	0.0
072	6/24/2019	09:00:01	0.0	0.0	0.0	0.0
073	6/24/2019	09:01:01	0.0	0.0	0.0	0.0
074	6/24/2019	09:02:01	0.0	0.0	0.0	0.0
075	6/24/2019	09:03:01	0.0	0.0	0.0	0.0
076	6/24/2019	09:04:01	0.0	0.0	0.0	0.0
077	6/24/2019	09:05:01	0.0	0.0	0.0	0.0
078	6/24/2019	09:06:01	0.0	0.0	0.0	0.0
079	6/24/2019	09:07:01	0.0	0.0	0.0	0.0
080	6/24/2019	09:08:01	0.0	0.0	0.0	0.0
081	6/24/2019	09:09:01	0.0	0.0	0.0	0.0
082	6/24/2019	09:10:01	0.0	0.0	0.0	0.0
083	6/24/2019	09:11:01	0.0	0.0	0.0	0.0
084	6/24/2019	09:12:01	0.0	0.0	0.0	0.0
085	6/24/2019	09:13:01	0.0	0.0	0.0	0.0
086	6/24/2019	09:14:01	0.0	0.0	0.0	0.0
087	6/24/2019	09:15:01	0.0	0.0	0.0	0.0
088	6/24/2019	09:16:01	0.0	0.0	0.0	0.0
089	6/24/2019	09:17:01	0.0	0.0	0.0	0.0
090	6/24/2019	09:18:01	0.0	0.0	0.0	0.0
091	6/24/2019	09:19:01	0.0	0.0	0.0	0.0
092	6/24/2019	09:20:01	0.0	0.0	0.0	0.0
093	6/24/2019	09:21:01	0.0	0.0	0.0	0.0
094	6/24/2019	09:22:01	0.0	0.0	0.0	0.0
095	6/24/2019	09:23:01	0.0	0.0	0.0	0.0
096	6/24/2019	09:24:01	0.0	0.0	0.0	0.0
097	6/24/2019	09:25:01	0.0	0.0	0.0	0.0
098	6/24/2019	09:26:01	0.0	0.0	0.0	0.0
099	6/24/2019	09:27:01	0.0	0.0	0.0	0.0
100	6/24/2019	09:28:01	0.0	0.0	0.0	0.0
101	6/24/2019	09:29:01	0.0	0.0	0.0	0.0
102	6/24/2019	09:30:01	0.0	0.0	0.0	0.0
103	6/24/2019	09:31:01	0.0	0.0	0.0	0.0
104	6/24/2019	09:32:01	0.0	0.0	0.0	0.0
105	6/24/2019	09:33:01	0.0	0.0	0.0	0.0
106	6/24/2019	09:34:01	0.0	0.0	0.0	0.0
107	6/24/2019	09:35:01	0.0	0.0	0.0	0.0
108	6/24/2019	09:36:01	0.0	0.0	0.0	0.0

109	6/24/2019	09:37:01	0.0	0.0	0.0	0.0
110	6/24/2019	09:38:01	0.0	0.0	0.0	0.0
111	6/24/2019	09:39:01	0.0	0.0	0.1	0.0
112	6/24/2019	09:40:01	0.0	0.0	0.0	0.0
113	6/24/2019	09:41:01	0.0	0.0	0.0	0.0
114	6/24/2019	09:42:01	0.0	0.0	0.0	0.0
115	6/24/2019	09:43:01	0.0	0.0	0.0	0.0
116	6/24/2019	09:44:01	0.0	0.0	0.0	0.0
117	6/24/2019	09:45:01	0.0	0.0	0.0	0.0
118	6/24/2019	09:46:01	0.0	0.0	0.1	0.0
119	6/24/2019	09:47:01	0.0	0.0	0.0	0.0
120	6/24/2019	09:48:01	0.0	0.0	0.0	0.0
121	6/24/2019	09:49:01	0.0	0.0	0.0	0.0
122	6/24/2019	09:50:01	0.0	0.0	0.0	0.0
123	6/24/2019	09:51:01	0.0	0.0	0.0	0.0
124	6/24/2019	09:52:01	0.0	0.0	0.0	0.0
125	6/24/2019	09:53:01	0.0	0.0	0.0	0.0
126	6/24/2019	09:54:01	0.0	0.0	0.0	0.0
127	6/24/2019	09:55:01	0.0	0.0	0.1	0.0
128	6/24/2019	09:56:01	0.0	0.0	0.0	0.0
129	6/24/2019	09:57:01	0.0	0.0	0.1	0.0
130	6/24/2019	09:58:01	0.0	0.0	0.1	0.0
131	6/24/2019	09:59:01	0.0	0.1	0.1	0.1
132	6/24/2019	10:00:01	0.0	0.1	0.1	0.0
133	6/24/2019	10:01:01	0.0	0.0	0.1	0.0
134	6/24/2019	10:02:01	0.0	0.0	0.1	0.1
135	6/24/2019	10:03:01	0.0	0.0	0.1	0.1
136	6/24/2019	10:04:01	0.1	0.1	0.1	0.1
137	6/24/2019	10:05:01	0.0	0.1	0.1	0.1
138	6/24/2019	10:06:01	0.1	0.1	0.1	0.1
139	6/24/2019	10:07:01	0.1	0.1	0.1	0.1
140	6/24/2019	10:08:01	0.1	0.1	0.1	0.1
141	6/24/2019	10:09:01	0.1	0.1	0.1	0.1
142	6/24/2019	10:10:01	0.1	0.1	0.1	0.1
143	6/24/2019	10:11:01	0.1	0.1	0.1	0.1
144	6/24/2019	10:12:01	0.1	0.1	0.1	0.1
145	6/24/2019	10:13:01	0.1	0.1	0.1	0.1
146	6/24/2019	10:14:01	0.1	0.1	0.1	0.1
147	6/24/2019	10:15:01	0.1	0.1	0.1	0.1
148	6/24/2019	10:16:01	0.1	0.1	0.1	0.1
149	6/24/2019	10:17:01	0.1	0.1	0.1	0.1
150	6/24/2019	10:18:01	0.1	0.1	0.1	0.1
151	6/24/2019	10:19:01	0.1	0.1	0.1	0.1
152	6/24/2019	10:20:01	0.1	0.1	0.1	0.1
153	6/24/2019	10:21:01	0.1	0.1	0.1	0.1
154	6/24/2019	10:22:01	0.1	0.1	0.1	0.1
155	6/24/2019	10:23:01	0.1	0.1	0.1	0.1
156	6/24/2019	10:24:01	0.1	0.1	0.1	0.1
157	6/24/2019	10:25:01	0.1	0.1	0.1	0.1
158	6/24/2019	10:26:01	0.1	0.1	0.1	0.1

159	6/24/2019 10:27:01	0.1	0.1	0.1	0.1
160	6/24/2019 10:28:01	0.1	0.1	0.2	0.2
161	6/24/2019 10:29:01	0.1	0.1	0.2	0.1
162	6/24/2019 10:30:01	0.1	0.1	0.1	0.1
163	6/24/2019 10:31:01	0.1	0.1	0.1	0.1
164	6/24/2019 10:32:01	0.1	0.1	0.2	0.1
165	6/24/2019 10:33:01	0.1	0.1	0.1	0.1
166	6/24/2019 10:34:01	0.1	0.1	0.2	0.1
167	6/24/2019 10:35:01	0.1	0.2	0.2	0.2
168	6/24/2019 10:36:01	0.1	0.2	0.2	0.2
169	6/24/2019 10:37:01	0.1	0.2	0.2	0.2
170	6/24/2019 10:38:01	0.2	0.2	0.2	0.2
171	6/24/2019 10:39:01	0.2	0.2	0.2	0.2
172	6/24/2019 10:40:01	0.2	0.2	0.2	0.2
173	6/24/2019 10:41:01	0.2	0.2	0.2	0.2
174	6/24/2019 10:42:01	0.2	0.2	0.2	0.2
175	6/24/2019 10:43:01	0.2	0.2	0.2	0.2
176	6/24/2019 10:44:01	0.2	0.2	0.2	0.2
177	6/24/2019 10:45:01	0.2	0.2	0.2	0.2
178	6/24/2019 10:46:01	0.2	0.2	0.2	0.2
179	6/24/2019 10:47:01	0.2	0.2	0.2	0.2
180	6/24/2019 10:48:01	0.2	0.2	0.2	0.2
181	6/24/2019 10:49:01	0.2	0.2	0.2	0.2
182	6/24/2019 10:50:01	0.2	0.2	0.2	0.2
183	6/24/2019 10:51:01	0.2	0.2	0.2	0.2
184	6/24/2019 10:52:01	0.2	0.2	0.2	0.2
185	6/24/2019 10:53:01	0.2	0.2	0.2	0.2
186	6/24/2019 10:54:01	0.2	0.2	0.2	0.2
187	6/24/2019 10:55:01	0.2	0.2	0.2	0.2
188	6/24/2019 10:56:01	0.2	0.2	0.2	0.2
189	6/24/2019 10:57:01	0.2	0.2	0.2	0.2
190	6/24/2019 10:58:01	0.2	0.2	0.2	0.2
191	6/24/2019 10:59:01	0.2	0.2	0.2	0.2
192	6/24/2019 11:00:01	0.2	0.2	0.2	0.2
193	6/24/2019 11:01:01	0.2	0.2	0.2	0.2
194	6/24/2019 11:02:01	0.2	0.2	0.2	0.2
195	6/24/2019 11:03:01	0.2	0.2	0.3	0.2
196	6/24/2019 11:04:01	0.2	0.2	0.2	0.2
197	6/24/2019 11:05:01	0.2	0.2	0.2	0.2
198	6/24/2019 11:06:01	0.2	0.2	0.2	0.2
199	6/24/2019 11:07:01	0.2	0.2	0.2	0.2
200	6/24/2019 11:08:01	0.2	0.3	0.3	0.3
201	6/24/2019 11:09:01	0.2	0.3	0.3	0.3
202	6/24/2019 11:10:01	0.2	0.3	0.3	0.3
203	6/24/2019 11:11:01	0.2	0.3	0.3	0.3
204	6/24/2019 11:12:01	0.3	0.3	0.3	0.3
205	6/24/2019 11:13:01	0.3	0.3	0.3	0.3
206	6/24/2019 11:14:01	0.3	0.3	0.3	0.3
207	6/24/2019 11:15:01	0.3	0.3	0.3	0.3
208	6/24/2019 11:16:01	0.3	0.3	0.3	0.3

209	6/24/2019	11:17:01	0.3	0.3	0.3	0.3
210	6/24/2019	11:18:01	0.3	0.3	0.3	0.3
211	6/24/2019	11:19:01	0.3	0.3	0.3	0.3
212	6/24/2019	11:20:01	0.3	0.3	0.3	0.3
213	6/24/2019	11:21:01	0.3	0.3	0.3	0.3
214	6/24/2019	11:22:01	0.3	0.3	0.3	0.3
215	6/24/2019	11:23:01	0.3	0.3	0.3	0.3
216	6/24/2019	11:24:01	0.3	0.3	0.3	0.3
217	6/24/2019	11:25:01	0.3	0.3	0.3	0.3
218	6/24/2019	11:26:01	0.3	0.3	0.3	0.3
219	6/24/2019	11:27:01	0.3	0.3	0.3	0.3
220	6/24/2019	11:28:01	0.3	0.3	0.3	0.3
221	6/24/2019	11:29:01	0.3	0.3	0.3	0.3
222	6/24/2019	11:30:01	0.3	0.3	0.3	0.3
223	6/24/2019	11:31:01	0.3	0.3	0.3	0.3
224	6/24/2019	11:32:01	0.3	0.3	0.3	0.3
225	6/24/2019	11:33:01	0.3	0.3	0.3	0.3
226	6/24/2019	11:34:01	0.3	0.3	0.3	0.3
227	6/24/2019	11:35:01	0.3	0.3	0.3	0.3
228	6/24/2019	11:36:01	0.3	0.3	0.3	0.3
229	6/24/2019	11:37:01	0.3	0.3	0.3	0.3
230	6/24/2019	11:38:01	0.3	0.3	0.3	0.3
231	6/24/2019	11:39:01	0.3	0.3	0.3	0.3
232	6/24/2019	11:40:01	0.3	0.3	0.3	0.3
233	6/24/2019	11:41:01	0.3	0.3	0.3	0.3
234	6/24/2019	11:42:01	0.3	0.3	0.3	0.3
235	6/24/2019	11:43:01	0.3	0.3	0.3	0.3
236	6/24/2019	11:44:01	0.3	0.3	0.3	0.3
237	6/24/2019	11:45:01	0.3	0.3	0.3	0.3
238	6/24/2019	11:46:01	0.2	0.3	0.3	0.3
239	6/24/2019	11:47:01	0.3	0.3	0.3	0.3
240	6/24/2019	11:48:01	0.3	0.3	0.3	0.3
241	6/24/2019	11:49:01	0.3	0.3	0.3	0.3
242	6/24/2019	11:50:01	0.3	0.3	0.3	0.3
243	6/24/2019	11:51:01	0.3	0.3	0.3	0.3
244	6/24/2019	11:52:01	0.2	0.3	0.3	0.2
245	6/24/2019	11:53:01	0.2	0.3	0.3	0.3
246	6/24/2019	11:54:01	0.3	0.3	0.3	0.3
247	6/24/2019	11:55:01	0.3	0.3	0.3	0.3
248	6/24/2019	11:56:01	0.3	0.3	0.3	0.3
249	6/24/2019	11:57:01	0.3	0.3	0.3	0.3
250	6/24/2019	11:58:01	0.3	0.3	0.3	0.3
251	6/24/2019	11:59:01	0.3	0.3	0.3	0.3
252	6/24/2019	12:00:01	0.3	0.3	0.3	0.3
253	6/24/2019	12:01:01	0.3	0.3	0.3	0.3
254	6/24/2019	12:02:01	0.3	0.3	0.3	0.3
255	6/24/2019	12:03:01	0.3	0.3	0.3	0.3
256	6/24/2019	12:04:01	0.3	0.3	0.3	0.3
257	6/24/2019	12:05:01	0.3	0.3	0.3	0.3
258	6/24/2019	12:06:01	0.3	0.3	0.3	0.3

259	6/24/2019 12:07:01	0.3	0.3	0.3	0.3
260	6/24/2019 12:08:01	0.2	0.3	0.3	0.3
261	6/24/2019 12:09:01	0.3	0.3	0.3	0.3
262	6/24/2019 12:10:01	0.2	0.3	0.3	0.3
263	6/24/2019 12:11:01	0.2	0.3	0.3	0.3
264	6/24/2019 12:12:01	0.3	0.3	0.3	0.3
265	6/24/2019 12:13:01	0.3	0.3	0.3	0.3
266	6/24/2019 12:14:01	0.2	0.3	0.3	0.2
267	6/24/2019 12:15:01	0.2	0.2	0.2	0.2
268	6/24/2019 12:16:01	0.2	0.2	0.3	0.3
269	6/24/2019 12:17:01	0.2	0.2	0.3	0.3
270	6/24/2019 12:18:01	0.2	0.2	0.3	0.2
271	6/24/2019 12:19:01	0.2	0.2	0.2	0.2
272	6/24/2019 12:20:01	0.2	0.2	0.3	0.2
273	6/24/2019 12:21:01	0.2	0.2	0.2	0.2
274	6/24/2019 12:22:01	0.2	0.2	0.3	0.2
275	6/24/2019 12:23:01	0.2	0.2	0.3	0.2
276	6/24/2019 12:24:01	0.2	0.2	0.2	0.2
277	6/24/2019 12:25:01	0.2	0.2	0.2	0.2
278	6/24/2019 12:26:01	0.2	0.2	0.2	0.2
279	6/24/2019 12:27:01	0.2	0.2	0.2	0.2
280	6/24/2019 12:28:01	0.2	0.2	0.2	0.2
281	6/24/2019 12:29:01	0.2	0.2	0.2	0.2
282	6/24/2019 12:30:01	0.2	0.2	0.2	0.2
283	6/24/2019 12:31:01	0.2	0.2	0.2	0.2
284	6/24/2019 12:32:01	0.2	0.2	0.2	0.2
285	6/24/2019 12:33:01	0.2	0.2	0.2	0.2
286	6/24/2019 12:34:01	0.2	0.2	0.2	0.2
287	6/24/2019 12:35:01	0.2	0.2	0.2	0.2
288	6/24/2019 12:36:01	0.2	0.2	0.2	0.2
289	6/24/2019 12:37:01	0.2	0.2	0.2	0.2
290	6/24/2019 12:38:01	0.2	0.2	0.2	0.2
291	6/24/2019 12:39:01	0.2	0.2	0.2	0.2
292	6/24/2019 12:40:01	0.2	0.2	0.2	0.2
293	6/24/2019 12:41:01	0.2	0.2	0.2	0.2
294	6/24/2019 12:42:01	0.2	0.2	0.2	0.2
295	6/24/2019 12:43:01	0.2	0.2	0.2	0.2
296	6/24/2019 12:44:01	0.2	0.2	0.2	0.2
297	6/24/2019 12:45:01	0.2	0.2	0.2	0.2
298	6/24/2019 12:46:01	0.2	0.2	0.2	0.2
299	6/24/2019 12:47:01	0.2	0.2	0.2	0.2
300	6/24/2019 12:48:01	0.2	0.2	0.2	0.2
301	6/24/2019 12:49:01	0.2	0.2	0.2	0.2
302	6/24/2019 12:50:01	0.2	0.2	0.2	0.2
303	6/24/2019 12:51:01	0.2	0.2	0.2	0.2
304	6/24/2019 12:52:01	0.2	0.2	0.2	0.2
305	6/24/2019 12:53:01	0.2	0.2	0.2	0.2
306	6/24/2019 12:54:01	0.2	0.2	0.2	0.2
307	6/24/2019 12:55:01	0.2	0.2	0.2	0.2
308	6/24/2019 12:56:01	0.2	0.2	0.2	0.2

309	6/24/2019	12:57:01	0.2	0.2	0.2	0.2
310	6/24/2019	12:58:01	0.2	0.2	0.2	0.2
311	6/24/2019	12:59:01	0.2	0.2	0.2	0.2
312	6/24/2019	13:00:01	0.2	0.2	0.2	0.2
313	6/24/2019	13:01:01	0.2	0.2	0.2	0.2
314	6/24/2019	13:02:01	0.2	0.2	0.2	0.2
315	6/24/2019	13:03:01	0.2	0.2	0.2	0.2
316	6/24/2019	13:04:01	0.2	0.2	0.2	0.2
317	6/24/2019	13:05:01	0.2	0.2	0.3	0.2
318	6/24/2019	13:06:01	0.2	0.2	0.3	0.3
319	6/24/2019	13:07:01	0.2	0.2	0.3	0.3
320	6/24/2019	13:08:01	0.2	0.2	0.3	0.2
321	6/24/2019	13:09:01	0.2	0.2	0.2	0.2
322	6/24/2019	13:10:01	0.2	0.2	0.3	0.2
323	6/24/2019	13:11:01	0.2	0.2	0.2	0.2
324	6/24/2019	13:12:01	0.2	0.2	0.2	0.2
325	6/24/2019	13:13:01	0.2	0.2	0.2	0.2
326	6/24/2019	13:14:01	0.2	0.2	0.2	0.2
327	6/24/2019	13:15:01	0.2	0.2	0.2	0.2
328	6/24/2019	13:16:01	0.2	0.2	0.2	0.2
329	6/24/2019	13:17:01	0.2	0.2	0.2	0.2
330	6/24/2019	13:18:01	0.2	0.2	0.2	0.2
331	6/24/2019	13:19:01	0.2	0.2	0.3	0.2
332	6/24/2019	13:20:01	0.2	0.2	0.2	0.2
333	6/24/2019	13:21:01	0.2	0.2	0.2	0.2
334	6/24/2019	13:22:01	0.2	0.2	0.2	0.2
335	6/24/2019	13:23:01	0.2	0.2	0.3	0.2
336	6/24/2019	13:24:01	0.2	0.2	0.3	0.2
337	6/24/2019	13:25:01	0.2	0.2	0.3	0.2
338	6/24/2019	13:26:01	0.3	0.3	0.3	0.3
339	6/24/2019	13:27:01	0.3	0.3	0.3	0.3
340	6/24/2019	13:28:01	0.3	0.3	0.3	0.3
341	6/24/2019	13:29:01	0.3	0.3	0.3	0.3
342	6/24/2019	13:30:01	0.3	0.3	0.3	0.3
343	6/24/2019	13:31:01	0.3	0.3	0.3	0.3
344	6/24/2019	13:32:01	0.3	0.3	0.3	0.3
345	6/24/2019	13:33:01	0.3	0.3	0.3	0.3
346	6/24/2019	13:34:01	0.2	0.3	0.3	0.2
347	6/24/2019	13:35:01	0.2	0.2	0.3	0.2
348	6/24/2019	13:36:01	0.2	0.3	0.3	0.3
349	6/24/2019	13:37:01	0.3	0.3	0.3	0.3
350	6/24/2019	13:38:01	0.3	0.3	0.3	0.3
351	6/24/2019	13:39:01	0.2	0.3	0.3	0.3
352	6/24/2019	13:40:01	0.2	0.2	0.3	0.3
353	6/24/2019	13:41:01	0.2	0.3	0.3	0.3
354	6/24/2019	13:42:01	0.2	0.2	0.3	0.2
Peak			0.3	0.3	0.3	0.3
Min			0.0	0.0	0.0	0.0
Average			0.1	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
001	6/24/2019 07:49:01	0.0	---	
002	6/24/2019 07:50:01	0.0	---	
003	6/24/2019 07:51:01	0.0	---	
004	6/24/2019 07:52:01	0.0	---	
005	6/24/2019 07:53:01	0.0	---	
006	6/24/2019 07:54:01	0.0	---	
007	6/24/2019 07:55:01	0.0	---	
008	6/24/2019 07:56:01	0.0	---	
009	6/24/2019 07:57:01	0.0	---	
010	6/24/2019 07:58:01	0.0	---	
011	6/24/2019 07:59:01	0.0	---	
012	6/24/2019 08:00:01	0.0	---	
013	6/24/2019 08:01:01	0.0	---	
014	6/24/2019 08:02:01	0.0	---	
015	6/24/2019 08:03:01	0.0	0.0	
016	6/24/2019 08:04:01	0.0	0.0	
017	6/24/2019 08:05:01	0.0	0.0	
018	6/24/2019 08:06:01	0.0	0.0	
019	6/24/2019 08:07:01	0.0	0.0	
020	6/24/2019 08:08:01	0.0	0.0	
021	6/24/2019 08:09:01	0.0	0.0	
022	6/24/2019 08:10:01	0.0	0.0	
023	6/24/2019 08:11:01	0.0	0.0	
024	6/24/2019 08:12:01	0.0	0.0	
025	6/24/2019 08:13:01	0.0	0.0	
026	6/24/2019 08:14:01	0.0	0.0	
027	6/24/2019 08:15:01	0.0	0.0	
028	6/24/2019 08:16:01	0.0	0.0	
029	6/24/2019 08:17:01	0.0	0.0	
030	6/24/2019 08:18:01	0.0	0.0	
031	6/24/2019 08:19:01	0.0	0.0	
032	6/24/2019 08:20:01	0.0	0.0	
033	6/24/2019 08:21:01	0.0	0.0	
034	6/24/2019 08:22:01	0.0	0.0	
035	6/24/2019 08:23:01	0.0	0.0	
036	6/24/2019 08:24:01	0.0	0.0	
037	6/24/2019 08:25:01	0.0	0.0	
038	6/24/2019 08:26:01	0.0	0.0	
039	6/24/2019 08:27:01	0.0	0.0	
040	6/24/2019 08:28:01	0.0	0.0	
041	6/24/2019 08:29:01	0.0	0.0	
042	6/24/2019 08:30:01	0.0	0.0	
043	6/24/2019 08:31:01	0.0	0.0	
044	6/24/2019 08:32:01	0.0	0.0	
045	6/24/2019 08:33:01	0.0	0.0	
046	6/24/2019 08:34:01	0.0	0.0	

047	6/24/2019 08:35:01	0.0	0.0
048	6/24/2019 08:36:01	0.0	0.0
049	6/24/2019 08:37:01	0.0	0.0
050	6/24/2019 08:38:01	0.0	0.0
051	6/24/2019 08:39:01	0.0	0.0
052	6/24/2019 08:40:01	0.0	0.0
053	6/24/2019 08:41:01	0.0	0.0
054	6/24/2019 08:42:01	0.0	0.0
055	6/24/2019 08:43:01	0.0	0.0
056	6/24/2019 08:44:01	0.0	0.0
057	6/24/2019 08:45:01	0.0	0.0
058	6/24/2019 08:46:01	0.0	0.0
059	6/24/2019 08:47:01	0.0	0.0
060	6/24/2019 08:48:01	0.0	0.0
061	6/24/2019 08:49:01	0.0	0.0
062	6/24/2019 08:50:01	0.0	0.0
063	6/24/2019 08:51:01	0.0	0.0
064	6/24/2019 08:52:01	0.0	0.0
065	6/24/2019 08:53:01	0.0	0.0
066	6/24/2019 08:54:01	0.0	0.0
067	6/24/2019 08:55:01	0.0	0.0
068	6/24/2019 08:56:01	0.0	0.0
069	6/24/2019 08:57:01	0.0	0.0
070	6/24/2019 08:58:01	0.0	0.0
071	6/24/2019 08:59:01	0.0	0.0
072	6/24/2019 09:00:01	0.0	0.0
073	6/24/2019 09:01:01	0.0	0.0
074	6/24/2019 09:02:01	0.0	0.0
075	6/24/2019 09:03:01	0.0	0.0
076	6/24/2019 09:04:01	0.0	0.0
077	6/24/2019 09:05:01	0.0	0.0
078	6/24/2019 09:06:01	0.0	0.0
079	6/24/2019 09:07:01	0.0	0.0
080	6/24/2019 09:08:01	0.0	0.0
081	6/24/2019 09:09:01	0.0	0.0
082	6/24/2019 09:10:01	0.0	0.0
083	6/24/2019 09:11:01	0.0	0.0
084	6/24/2019 09:12:01	0.0	0.0
085	6/24/2019 09:13:01	0.0	0.0
086	6/24/2019 09:14:01	0.0	0.0
087	6/24/2019 09:15:01	0.0	0.0
088	6/24/2019 09:16:01	0.0	0.0
089	6/24/2019 09:17:01	0.0	0.0
090	6/24/2019 09:18:01	0.0	0.0
091	6/24/2019 09:19:01	0.0	0.0
092	6/24/2019 09:20:01	0.0	0.0
093	6/24/2019 09:21:01	0.0	0.0
094	6/24/2019 09:22:01	0.0	0.0
095	6/24/2019 09:23:01	0.0	0.0
096	6/24/2019 09:24:01	0.0	0.0

097	6/24/2019 09:25:01	0.0	0.0
098	6/24/2019 09:26:01	0.0	0.0
099	6/24/2019 09:27:01	0.0	0.0
100	6/24/2019 09:28:01	0.0	0.0
101	6/24/2019 09:29:01	0.0	0.0
102	6/24/2019 09:30:01	0.0	0.0
103	6/24/2019 09:31:01	0.0	0.0
104	6/24/2019 09:32:01	0.0	0.0
105	6/24/2019 09:33:01	0.0	0.0
106	6/24/2019 09:34:01	0.0	0.0
107	6/24/2019 09:35:01	0.0	0.0
108	6/24/2019 09:36:01	0.0	0.0
109	6/24/2019 09:37:01	0.0	0.0
110	6/24/2019 09:38:01	0.0	0.0
111	6/24/2019 09:39:01	0.0	0.0
112	6/24/2019 09:40:01	0.0	0.0
113	6/24/2019 09:41:01	0.0	0.0
114	6/24/2019 09:42:01	0.0	0.0
115	6/24/2019 09:43:01	0.0	0.0
116	6/24/2019 09:44:01	0.0	0.0
117	6/24/2019 09:45:01	0.0	0.0
118	6/24/2019 09:46:01	0.0	0.0
119	6/24/2019 09:47:01	0.0	0.0
120	6/24/2019 09:48:01	0.0	0.0
121	6/24/2019 09:49:01	0.0	0.0
122	6/24/2019 09:50:01	0.0	0.0
123	6/24/2019 09:51:01	0.0	0.0
124	6/24/2019 09:52:01	0.0	0.0
125	6/24/2019 09:53:01	0.0	0.0
126	6/24/2019 09:54:01	0.0	0.0
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128	6/24/2019 09:56:01	0.0	0.0
129	6/24/2019 09:57:01	0.0	0.0
130	6/24/2019 09:58:01	0.0	0.0
131	6/24/2019 09:59:01	0.0	0.0
132	6/24/2019 10:00:01	0.0	0.0
133	6/24/2019 10:01:01	0.0	0.0
134	6/24/2019 10:02:01	0.0	0.0
135	6/24/2019 10:03:01	0.0	0.0
136	6/24/2019 10:04:01	0.0	0.0
137	6/24/2019 10:05:01	0.0	0.0
138	6/24/2019 10:06:01	0.0	0.0
139	6/24/2019 10:07:01	0.0	0.0
140	6/24/2019 10:08:01	0.0	0.1
141	6/24/2019 10:09:01	0.0	0.1
142	6/24/2019 10:10:01	0.0	0.1
143	6/24/2019 10:11:01	0.0	0.1
144	6/24/2019 10:12:01	0.0	0.1
145	6/24/2019 10:13:01	0.0	0.1
146	6/24/2019 10:14:01	0.0	0.1

147	6/24/2019 10:15:01	0.0	0.1
148	6/24/2019 10:16:01	0.0	0.1
149	6/24/2019 10:17:01	0.0	0.1
150	6/24/2019 10:18:01	0.0	0.1
151	6/24/2019 10:19:01	0.0	0.1
152	6/24/2019 10:20:01	0.0	0.1
153	6/24/2019 10:21:01	0.0	0.1
154	6/24/2019 10:22:01	0.0	0.1
155	6/24/2019 10:23:01	0.0	0.1
156	6/24/2019 10:24:01	0.0	0.1
157	6/24/2019 10:25:01	0.0	0.1
158	6/24/2019 10:26:01	0.0	0.1
159	6/24/2019 10:27:01	0.0	0.1
160	6/24/2019 10:28:01	0.0	0.1
161	6/24/2019 10:29:01	0.0	0.1
162	6/24/2019 10:30:01	0.0	0.1
163	6/24/2019 10:31:01	0.0	0.1
164	6/24/2019 10:32:01	0.0	0.1
165	6/24/2019 10:33:01	0.0	0.1
166	6/24/2019 10:34:01	0.0	0.1
167	6/24/2019 10:35:01	0.0	0.1
168	6/24/2019 10:36:01	0.0	0.1
169	6/24/2019 10:37:01	0.0	0.1
170	6/24/2019 10:38:01	0.0	0.1
171	6/24/2019 10:39:01	0.0	0.1
172	6/24/2019 10:40:01	0.0	0.2
173	6/24/2019 10:41:01	0.0	0.2
174	6/24/2019 10:42:01	0.0	0.2
175	6/24/2019 10:43:01	0.0	0.2
176	6/24/2019 10:44:01	0.0	0.2
177	6/24/2019 10:45:01	0.0	0.2
178	6/24/2019 10:46:01	0.0	0.2
179	6/24/2019 10:47:01	0.0	0.2
180	6/24/2019 10:48:01	0.0	0.2
181	6/24/2019 10:49:01	0.0	0.2
182	6/24/2019 10:50:01	0.0	0.2
183	6/24/2019 10:51:01	0.0	0.2
184	6/24/2019 10:52:01	0.0	0.2
185	6/24/2019 10:53:01	0.0	0.2
186	6/24/2019 10:54:01	0.0	0.2
187	6/24/2019 10:55:01	0.0	0.2
188	6/24/2019 10:56:01	0.0	0.2
189	6/24/2019 10:57:01	0.0	0.2
190	6/24/2019 10:58:01	0.0	0.2
191	6/24/2019 10:59:01	0.0	0.2
192	6/24/2019 11:00:01	0.0	0.2
193	6/24/2019 11:01:01	0.0	0.2
194	6/24/2019 11:02:01	0.0	0.2
195	6/24/2019 11:03:01	0.0	0.2
196	6/24/2019 11:04:01	0.0	0.2

197	6/24/2019 11:05:01	0.0	0.2
198	6/24/2019 11:06:01	0.0	0.2
199	6/24/2019 11:07:01	0.0	0.2
200	6/24/2019 11:08:01	0.0	0.2
201	6/24/2019 11:09:01	0.0	0.2
202	6/24/2019 11:10:01	0.0	0.2
203	6/24/2019 11:11:01	0.0	0.2
204	6/24/2019 11:12:01	0.0	0.2
205	6/24/2019 11:13:01	0.0	0.3
206	6/24/2019 11:14:01	0.0	0.3
207	6/24/2019 11:15:01	0.0	0.3
208	6/24/2019 11:16:01	0.0	0.3
209	6/24/2019 11:17:01	0.0	0.3
210	6/24/2019 11:18:01	0.0	0.3
211	6/24/2019 11:19:01	0.0	0.3
212	6/24/2019 11:20:01	0.0	0.3
213	6/24/2019 11:21:01	0.0	0.3
214	6/24/2019 11:22:01	0.0	0.3
215	6/24/2019 11:23:01	0.0	0.3
216	6/24/2019 11:24:01	0.0	0.3
217	6/24/2019 11:25:01	0.0	0.3
218	6/24/2019 11:26:01	0.0	0.3
219	6/24/2019 11:27:01	0.0	0.3
220	6/24/2019 11:28:01	0.0	0.3
221	6/24/2019 11:29:01	0.0	0.3
222	6/24/2019 11:30:01	0.0	0.3
223	6/24/2019 11:31:01	0.0	0.3
224	6/24/2019 11:32:01	0.0	0.3
225	6/24/2019 11:33:01	0.0	0.3
226	6/24/2019 11:34:01	0.0	0.3
227	6/24/2019 11:35:01	0.0	0.3
228	6/24/2019 11:36:01	0.0	0.3
229	6/24/2019 11:37:01	0.0	0.3
230	6/24/2019 11:38:01	0.0	0.3
231	6/24/2019 11:39:01	0.0	0.3
232	6/24/2019 11:40:01	0.0	0.3
233	6/24/2019 11:41:01	0.0	0.3
234	6/24/2019 11:42:01	0.0	0.3
235	6/24/2019 11:43:01	0.0	0.3
236	6/24/2019 11:44:01	0.0	0.3
237	6/24/2019 11:45:01	0.0	0.3
238	6/24/2019 11:46:01	0.0	0.3
239	6/24/2019 11:47:01	0.0	0.3
240	6/24/2019 11:48:01	0.0	0.3
241	6/24/2019 11:49:01	0.0	0.3
242	6/24/2019 11:50:01	0.0	0.3
243	6/24/2019 11:51:01	0.0	0.3
244	6/24/2019 11:52:01	0.0	0.3
245	6/24/2019 11:53:01	0.0	0.3
246	6/24/2019 11:54:01	0.1	0.3

247	6/24/2019 11:55:01	0.1	0.3
248	6/24/2019 11:56:01	0.1	0.3
249	6/24/2019 11:57:01	0.1	0.3
250	6/24/2019 11:58:01	0.1	0.3
251	6/24/2019 11:59:01	0.1	0.3
252	6/24/2019 12:00:01	0.1	0.3
253	6/24/2019 12:01:01	0.1	0.3
254	6/24/2019 12:02:01	0.1	0.3
255	6/24/2019 12:03:01	0.1	0.3
256	6/24/2019 12:04:01	0.1	0.3
257	6/24/2019 12:05:01	0.1	0.3
258	6/24/2019 12:06:01	0.1	0.3
259	6/24/2019 12:07:01	0.1	0.3
260	6/24/2019 12:08:01	0.1	0.3
261	6/24/2019 12:09:01	0.1	0.3
262	6/24/2019 12:10:01	0.1	0.3
263	6/24/2019 12:11:01	0.1	0.3
264	6/24/2019 12:12:01	0.1	0.3
265	6/24/2019 12:13:01	0.1	0.3
266	6/24/2019 12:14:01	0.1	0.3
267	6/24/2019 12:15:01	0.1	0.3
268	6/24/2019 12:16:01	0.1	0.3
269	6/24/2019 12:17:01	0.1	0.3
270	6/24/2019 12:18:01	0.1	0.3
271	6/24/2019 12:19:01	0.1	0.3
272	6/24/2019 12:20:01	0.1	0.3
273	6/24/2019 12:21:01	0.1	0.3
274	6/24/2019 12:22:01	0.1	0.3
275	6/24/2019 12:23:01	0.1	0.3
276	6/24/2019 12:24:01	0.1	0.3
277	6/24/2019 12:25:01	0.1	0.3
278	6/24/2019 12:26:01	0.1	0.2
279	6/24/2019 12:27:01	0.1	0.2
280	6/24/2019 12:28:01	0.1	0.2
281	6/24/2019 12:29:01	0.1	0.2
282	6/24/2019 12:30:01	0.1	0.2
283	6/24/2019 12:31:01	0.1	0.2
284	6/24/2019 12:32:01	0.1	0.2
285	6/24/2019 12:33:01	0.1	0.2
286	6/24/2019 12:34:01	0.1	0.2
287	6/24/2019 12:35:01	0.1	0.2
288	6/24/2019 12:36:01	0.1	0.2
289	6/24/2019 12:37:01	0.1	0.2
290	6/24/2019 12:38:01	0.1	0.2
291	6/24/2019 12:39:01	0.1	0.2
292	6/24/2019 12:40:01	0.1	0.2
293	6/24/2019 12:41:01	0.1	0.2
294	6/24/2019 12:42:01	0.1	0.2
295	6/24/2019 12:43:01	0.1	0.2
296	6/24/2019 12:44:01	0.1	0.2

297	6/24/2019 12:45:01	0.1	0.2
298	6/24/2019 12:46:01	0.1	0.2
299	6/24/2019 12:47:01	0.1	0.2
300	6/24/2019 12:48:01	0.1	0.2
301	6/24/2019 12:49:01	0.1	0.2
302	6/24/2019 12:50:01	0.1	0.2
303	6/24/2019 12:51:01	0.1	0.2
304	6/24/2019 12:52:01	0.1	0.2
305	6/24/2019 12:53:01	0.1	0.2
306	6/24/2019 12:54:01	0.1	0.2
307	6/24/2019 12:55:01	0.1	0.2
308	6/24/2019 12:56:01	0.1	0.2
309	6/24/2019 12:57:01	0.1	0.2
310	6/24/2019 12:58:01	0.1	0.2
311	6/24/2019 12:59:01	0.1	0.2
312	6/24/2019 13:00:01	0.1	0.2
313	6/24/2019 13:01:01	0.1	0.2
314	6/24/2019 13:02:01	0.1	0.2
315	6/24/2019 13:03:01	0.1	0.2
316	6/24/2019 13:04:01	0.1	0.2
317	6/24/2019 13:05:01	0.1	0.2
318	6/24/2019 13:06:01	0.1	0.2
319	6/24/2019 13:07:01	0.1	0.2
320	6/24/2019 13:08:01	0.1	0.2
321	6/24/2019 13:09:01	0.1	0.2
322	6/24/2019 13:10:01	0.1	0.2
323	6/24/2019 13:11:01	0.1	0.2
324	6/24/2019 13:12:01	0.1	0.2
325	6/24/2019 13:13:01	0.1	0.2
326	6/24/2019 13:14:01	0.1	0.2
327	6/24/2019 13:15:01	0.1	0.2
328	6/24/2019 13:16:01	0.1	0.2
329	6/24/2019 13:17:01	0.1	0.2
330	6/24/2019 13:18:01	0.1	0.2
331	6/24/2019 13:19:01	0.1	0.2
332	6/24/2019 13:20:01	0.1	0.2
333	6/24/2019 13:21:01	0.1	0.2
334	6/24/2019 13:22:01	0.1	0.2
335	6/24/2019 13:23:01	0.1	0.2
336	6/24/2019 13:24:01	0.1	0.2
337	6/24/2019 13:25:01	0.1	0.2
338	6/24/2019 13:26:01	0.1	0.2
339	6/24/2019 13:27:01	0.1	0.2
340	6/24/2019 13:28:01	0.1	0.2
341	6/24/2019 13:29:01	0.1	0.2
342	6/24/2019 13:30:01	0.1	0.2
343	6/24/2019 13:31:01	0.1	0.3
344	6/24/2019 13:32:01	0.1	0.3
345	6/24/2019 13:33:01	0.1	0.3
346	6/24/2019 13:34:01	0.1	0.3

347	6/24/2019 13:35:01	0.1	0.3
348	6/24/2019 13:36:01	0.1	0.3
349	6/24/2019 13:37:01	0.1	0.3
350	6/24/2019 13:38:01	0.1	0.3
351	6/24/2019 13:39:01	0.1	0.3
352	6/24/2019 13:40:01	0.1	0.3
353	6/24/2019 13:41:01	0.1	0.3
354	6/24/2019 13:42:01	0.1	0.3

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19/06/25 08:37

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Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-927314
Unit Firmware Ver	V2.20

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

Site ID	RAE00000
User ID	USER0000

Begin	6/25/2019 08:37:47
End	6/25/2019 14:42:21
Sample Period(s)	60
Number of Records	364

Sensor	PID(ppm)
Sensor SN	S023030197W2
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	100.0
TWA Alarm	50.0
Measurement Gas	Isobutylene
Calibration Time	6/25/2019 08:34
Peak	0.2
Min	0.0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)

001	6/25/2019	08:38:47	0.0	0.0	0.0	0.0
002	6/25/2019	08:39:47	0.0	0.0	0.0	0.0
003	6/25/2019	08:40:47	0.0	0.0	0.0	0.0
004	6/25/2019	08:41:47	0.0	0.0	0.0	0.0
005	6/25/2019	08:42:47	0.0	0.0	0.0	0.0
006	6/25/2019	08:43:47	0.0	0.0	0.0	0.0
007	6/25/2019	08:44:47	0.0	0.0	0.0	0.0
008	6/25/2019	08:45:47	0.0	0.0	0.0	0.0
009	6/25/2019	08:46:47	0.0	0.0	0.0	0.0
010	6/25/2019	08:47:47	0.0	0.0	0.0	0.0
011	6/25/2019	08:48:47	0.0	0.0	0.0	0.0
012	6/25/2019	08:49:47	0.0	0.0	0.0	0.0
013	6/25/2019	08:50:47	0.0	0.0	0.0	0.0
014	6/25/2019	08:51:47	0.0	0.0	0.0	0.0
015	6/25/2019	08:52:47	0.0	0.0	0.0	0.0
016	6/25/2019	08:53:47	0.0	0.0	0.0	0.0
017	6/25/2019	08:54:47	0.0	0.0	0.0	0.0
018	6/25/2019	08:55:47	0.0	0.0	0.0	0.0
019	6/25/2019	08:56:47	0.0	0.0	0.0	0.0
020	6/25/2019	08:57:47	0.0	0.0	0.0	0.0
021	6/25/2019	08:58:47	0.0	0.0	0.0	0.0
022	6/25/2019	08:59:47	0.0	0.0	0.0	0.0
023	6/25/2019	09:00:47	0.0	0.0	0.0	0.0
024	6/25/2019	09:01:47	0.0	0.0	0.0	0.0
025	6/25/2019	09:02:47	0.0	0.0	0.0	0.0
026	6/25/2019	09:03:47	0.0	0.0	0.0	0.0
027	6/25/2019	09:04:47	0.0	0.0	0.0	0.0
028	6/25/2019	09:05:47	0.0	0.0	0.0	0.0
029	6/25/2019	09:06:47	0.0	0.0	0.0	0.0
030	6/25/2019	09:07:47	0.0	0.0	0.1	0.0
031	6/25/2019	09:08:47	0.0	0.0	0.0	0.0
032	6/25/2019	09:09:47	0.0	0.0	0.0	0.0
033	6/25/2019	09:10:47	0.0	0.0	0.0	0.0
034	6/25/2019	09:11:47	0.0	0.0	0.0	0.0
035	6/25/2019	09:12:47	0.0	0.0	0.0	0.0
036	6/25/2019	09:13:47	0.0	0.0	0.0	0.0
037	6/25/2019	09:14:47	0.0	0.0	0.0	0.0
038	6/25/2019	09:15:47	0.0	0.0	0.0	0.0
039	6/25/2019	09:16:47	0.0	0.0	0.0	0.0
040	6/25/2019	09:17:47	0.0	0.0	0.0	0.0
041	6/25/2019	09:18:47	0.0	0.0	0.0	0.0
042	6/25/2019	09:19:47	0.0	0.0	0.0	0.0
043	6/25/2019	09:20:47	0.0	0.0	0.0	0.0
044	6/25/2019	09:21:47	0.0	0.0	0.0	0.0
045	6/25/2019	09:22:47	0.0	0.0	0.0	0.0
046	6/25/2019	09:23:47	0.0	0.0	0.0	0.0
047	6/25/2019	09:24:47	0.0	0.0	0.0	0.0
048	6/25/2019	09:25:47	0.0	0.0	0.0	0.0
049	6/25/2019	09:26:47	0.0	0.0	0.0	0.0
050	6/25/2019	09:27:47	0.0	0.0	0.0	0.0

051	6/25/2019 09:28:47	0.0	0.0	0.0	0.0
052	6/25/2019 09:29:47	0.0	0.0	0.0	0.0
053	6/25/2019 09:30:47	0.0	0.0	0.0	0.0
054	6/25/2019 09:31:47	0.0	0.0	0.0	0.0
055	6/25/2019 09:32:47	0.0	0.0	0.0	0.0
056	6/25/2019 09:33:47	0.0	0.0	0.0	0.0
057	6/25/2019 09:34:47	0.0	0.0	0.0	0.0
058	6/25/2019 09:35:47	0.0	0.0	0.0	0.0
059	6/25/2019 09:36:47	0.0	0.0	0.0	0.0
060	6/25/2019 09:37:47	0.0	0.0	0.0	0.0
061	6/25/2019 09:38:47	0.0	0.0	0.0	0.0
062	6/25/2019 09:39:47	0.0	0.0	0.0	0.0
063	6/25/2019 09:40:47	0.0	0.0	0.0	0.0
064	6/25/2019 09:41:47	0.0	0.0	0.0	0.0
065	6/25/2019 09:42:47	0.0	0.0	0.0	0.0
066	6/25/2019 09:43:47	0.0	0.0	0.0	0.0
067	6/25/2019 09:44:47	0.0	0.0	0.0	0.0
068	6/25/2019 09:45:47	0.0	0.0	0.0	0.0
069	6/25/2019 09:46:47	0.0	0.0	0.0	0.0
070	6/25/2019 09:47:47	0.0	0.0	0.0	0.0
071	6/25/2019 09:48:47	0.0	0.0	0.2	0.1
072	6/25/2019 09:49:47	0.0	0.0	0.1	0.0
073	6/25/2019 09:50:47	0.0	0.0	0.0	0.0
074	6/25/2019 09:51:47	0.0	0.0	0.0	0.0
075	6/25/2019 09:52:47	0.0	0.0	0.0	0.0
076	6/25/2019 09:53:47	0.0	0.0	0.0	0.0
077	6/25/2019 09:54:47	0.0	0.0	0.0	0.0
078	6/25/2019 09:55:47	0.0	0.0	0.0	0.0
079	6/25/2019 09:56:47	0.0	0.0	0.0	0.0
080	6/25/2019 09:57:47	0.0	0.0	0.0	0.0
081	6/25/2019 09:58:47	0.0	0.0	0.0	0.0
082	6/25/2019 09:59:47	0.0	0.0	0.0	0.0
083	6/25/2019 10:00:47	0.0	0.0	0.0	0.0
084	6/25/2019 10:01:47	0.0	0.0	0.0	0.0
085	6/25/2019 10:02:47	0.0	0.0	0.0	0.0
086	6/25/2019 10:03:47	0.0	0.0	0.1	0.0
087	6/25/2019 10:04:47	0.0	0.0	0.0	0.0
088	6/25/2019 10:05:47	0.0	0.0	0.0	0.0
089	6/25/2019 10:06:47	0.0	0.0	0.0	0.0
090	6/25/2019 10:07:47	0.0	0.0	0.0	0.0
091	6/25/2019 10:08:47	0.0	0.0	0.0	0.0
092	6/25/2019 10:09:47	0.0	0.0	0.0	0.0
093	6/25/2019 10:10:47	0.0	0.0	0.0	0.0
094	6/25/2019 10:11:47	0.0	0.0	0.0	0.0
095	6/25/2019 10:12:47	0.0	0.0	0.0	0.0
096	6/25/2019 10:13:47	0.0	0.0	0.1	0.1
097	6/25/2019 10:14:47	0.0	0.0	0.0	0.0
098	6/25/2019 10:15:47	0.0	0.0	0.0	0.0
099	6/25/2019 10:16:47	0.0	0.0	0.0	0.0
100	6/25/2019 10:17:47	0.0	0.0	0.0	0.0

101	6/25/2019 10:18:47	0.0	0.0	0.0	0.0
102	6/25/2019 10:19:47	0.0	0.0	0.0	0.0
103	6/25/2019 10:20:47	0.0	0.0	0.0	0.0
104	6/25/2019 10:21:47	0.0	0.0	0.0	0.0
105	6/25/2019 10:22:47	0.0	0.0	0.0	0.0
106	6/25/2019 10:23:47	0.0	0.0	0.0	0.0
107	6/25/2019 10:24:47	0.0	0.0	0.0	0.0
108	6/25/2019 10:25:47	0.0	0.0	0.0	0.0
109	6/25/2019 10:26:47	0.0	0.0	0.0	0.0
110	6/25/2019 10:27:47	0.0	0.0	0.0	0.0
111	6/25/2019 10:28:47	0.0	0.0	0.0	0.0
112	6/25/2019 10:29:47	0.0	0.0	0.0	0.0
113	6/25/2019 10:30:47	0.0	0.0	0.0	0.0
114	6/25/2019 10:31:47	0.0	0.0	0.0	0.0
115	6/25/2019 10:32:47	0.0	0.0	0.0	0.0
116	6/25/2019 10:33:47	0.0	0.0	0.0	0.0
117	6/25/2019 10:34:47	0.0	0.0	0.0	0.0
118	6/25/2019 10:35:47	0.0	0.0	0.1	0.0
119	6/25/2019 10:36:47	0.0	0.0	0.0	0.0
120	6/25/2019 10:37:47	0.0	0.0	0.1	0.0
121	6/25/2019 10:38:47	0.0	0.0	0.0	0.0
122	6/25/2019 10:39:47	0.0	0.0	0.0	0.0
123	6/25/2019 10:40:47	0.0	0.0	0.0	0.0
124	6/25/2019 10:41:47	0.0	0.0	0.0	0.0
125	6/25/2019 10:42:47	0.0	0.0	0.0	0.0
126	6/25/2019 10:43:47	0.0	0.0	0.0	0.0
127	6/25/2019 10:44:47	0.0	0.0	0.0	0.0
128	6/25/2019 10:45:47	0.0	0.0	0.0	0.0
129	6/25/2019 10:46:47	0.0	0.0	0.0	0.0
130	6/25/2019 10:47:47	0.0	0.0	0.0	0.0
131	6/25/2019 10:48:47	0.0	0.0	0.0	0.0
132	6/25/2019 10:49:47	0.0	0.0	0.0	0.0
133	6/25/2019 10:50:47	0.0	0.0	0.0	0.0
134	6/25/2019 10:51:47	0.0	0.0	0.0	0.0
135	6/25/2019 10:52:47	0.0	0.0	0.0	0.0
136	6/25/2019 10:53:47	0.0	0.0	0.0	0.0
137	6/25/2019 10:54:47	0.0	0.0	0.0	0.0
138	6/25/2019 10:55:47	0.0	0.0	0.0	0.0
139	6/25/2019 10:56:47	0.0	0.0	0.0	0.0
140	6/25/2019 10:57:47	0.0	0.0	0.0	0.0
141	6/25/2019 10:58:47	0.0	0.0	0.0	0.0
142	6/25/2019 10:59:47	0.0	0.0	0.0	0.0
143	6/25/2019 11:00:47	0.0	0.0	0.0	0.0
144	6/25/2019 11:01:47	0.0	0.0	0.0	0.0
145	6/25/2019 11:02:47	0.0	0.0	0.0	0.0
146	6/25/2019 11:03:47	0.0	0.0	0.0	0.0
147	6/25/2019 11:04:47	0.0	0.0	0.0	0.0
148	6/25/2019 11:05:47	0.0	0.0	0.0	0.0
149	6/25/2019 11:06:47	0.0	0.0	0.1	0.0
150	6/25/2019 11:07:47	0.0	0.0	0.0	0.0

151	6/25/2019	11:08:47	0.0	0.0	0.0	0.0
152	6/25/2019	11:09:47	0.0	0.1	0.1	0.1
153	6/25/2019	11:10:47	0.0	0.1	0.2	0.2
154	6/25/2019	11:11:47	0.1	0.1	0.2	0.1
155	6/25/2019	11:12:47	0.1	0.1	0.1	0.1
156	6/25/2019	11:13:47	0.1	0.1	0.1	0.1
157	6/25/2019	11:14:47	0.1	0.1	0.1	0.1
158	6/25/2019	11:15:47	0.1	0.1	0.1	0.1
159	6/25/2019	11:16:47	0.0	0.0	0.1	0.0
160	6/25/2019	11:17:47	0.0	0.0	0.0	0.0
161	6/25/2019	11:18:47	0.0	0.0	0.1	0.1
162	6/25/2019	11:19:47	0.0	0.0	0.0	0.0
163	6/25/2019	11:20:47	0.0	0.0	0.0	0.0
164	6/25/2019	11:21:47	0.0	0.0	0.0	0.0
165	6/25/2019	11:22:47	0.0	0.0	0.0	0.0
166	6/25/2019	11:23:47	0.0	0.0	0.0	0.0
167	6/25/2019	11:24:47	0.0	0.0	0.0	0.0
168	6/25/2019	11:25:47	0.0	0.0	0.0	0.0
169	6/25/2019	11:26:47	0.0	0.0	0.0	0.0
170	6/25/2019	11:27:47	0.0	0.0	0.0	0.0
171	6/25/2019	11:28:47	0.0	0.0	0.0	0.0
172	6/25/2019	11:29:47	0.0	0.0	0.0	0.0
173	6/25/2019	11:30:47	0.0	0.0	0.0	0.0
174	6/25/2019	11:31:47	0.0	0.0	0.0	0.0
175	6/25/2019	11:32:47	0.0	0.0	0.0	0.0
176	6/25/2019	11:33:47	0.0	0.0	0.0	0.0
177	6/25/2019	11:34:47	0.0	0.0	0.1	0.1
178	6/25/2019	11:35:47	0.0	0.0	0.1	0.0
179	6/25/2019	11:36:47	0.0	0.0	0.1	0.0
180	6/25/2019	11:37:47	0.0	0.0	0.1	0.1
181	6/25/2019	11:38:47	0.1	0.1	0.1	0.1
182	6/25/2019	11:39:47	0.0	0.1	0.1	0.0
183	6/25/2019	11:40:47	0.0	0.0	0.1	0.1
184	6/25/2019	11:41:47	0.0	0.1	0.1	0.0
185	6/25/2019	11:42:47	0.0	0.1	0.1	0.0
186	6/25/2019	11:43:47	0.0	0.1	0.1	0.1
187	6/25/2019	11:44:47	0.0	0.1	0.1	0.0
188	6/25/2019	11:45:47	0.0	0.0	0.0	0.0
189	6/25/2019	11:46:47	0.0	0.0	0.1	0.1
190	6/25/2019	11:47:47	0.0	0.1	0.1	0.0
191	6/25/2019	11:48:47	0.0	0.0	0.0	0.0
192	6/25/2019	11:49:47	0.0	0.0	0.0	0.0
193	6/25/2019	11:50:47	0.0	0.1	0.1	0.1
194	6/25/2019	11:51:47	0.0	0.0	0.1	0.0
195	6/25/2019	11:52:47	0.0	0.0	0.1	0.0
196	6/25/2019	11:53:47	0.0	0.1	0.1	0.0
197	6/25/2019	11:54:47	0.0	0.0	0.1	0.0
198	6/25/2019	11:55:47	0.0	0.0	0.1	0.0
199	6/25/2019	11:56:47	0.0	0.0	0.1	0.0
200	6/25/2019	11:57:47	0.0	0.1	0.1	0.1

201	6/25/2019 11:58:47	0.1	0.1	0.1	0.1
202	6/25/2019 11:59:47	0.1	0.1	0.1	0.1
203	6/25/2019 12:00:47	0.1	0.1	0.1	0.1
204	6/25/2019 12:01:47	0.1	0.1	0.1	0.1
205	6/25/2019 12:02:47	0.1	0.1	0.1	0.1
206	6/25/2019 12:03:47	0.1	0.1	0.1	0.1
207	6/25/2019 12:04:47	0.1	0.1	0.1	0.1
208	6/25/2019 12:05:47	0.0	0.1	0.1	0.0
209	6/25/2019 12:06:47	0.0	0.1	0.1	0.1
210	6/25/2019 12:07:47	0.1	0.1	0.1	0.1
211	6/25/2019 12:08:47	0.0	0.1	0.1	0.1
212	6/25/2019 12:09:47	0.1	0.1	0.1	0.1
213	6/25/2019 12:10:47	0.1	0.1	0.1	0.1
214	6/25/2019 12:11:47	0.1	0.1	0.1	0.1
215	6/25/2019 12:12:47	0.1	0.1	0.1	0.1
216	6/25/2019 12:13:47	0.1	0.1	0.1	0.1
217	6/25/2019 12:14:47	0.1	0.1	0.1	0.1
218	6/25/2019 12:15:47	0.0	0.1	0.1	0.1
219	6/25/2019 12:16:47	0.1	0.1	0.1	0.1
220	6/25/2019 12:17:47	0.1	0.1	0.1	0.1
221	6/25/2019 12:18:47	0.1	0.1	0.1	0.1
222	6/25/2019 12:19:47	0.1	0.1	0.1	0.1
223	6/25/2019 12:20:47	0.1	0.1	0.1	0.1
224	6/25/2019 12:21:47	0.1	0.1	0.1	0.1
225	6/25/2019 12:22:47	0.1	0.1	0.1	0.1
226	6/25/2019 12:23:47	0.1	0.1	0.1	0.1
227	6/25/2019 12:24:47	0.1	0.1	0.1	0.1
228	6/25/2019 12:25:47	0.1	0.1	0.1	0.1
229	6/25/2019 12:26:47	0.1	0.1	0.1	0.1
230	6/25/2019 12:27:47	0.1	0.1	0.1	0.1
231	6/25/2019 12:28:47	0.0	0.1	0.1	0.1
232	6/25/2019 12:29:47	0.1	0.1	0.1	0.1
233	6/25/2019 12:30:47	0.1	0.1	0.1	0.1
234	6/25/2019 12:31:47	0.1	0.1	0.1	0.1
235	6/25/2019 12:32:47	0.1	0.1	0.1	0.1
236	6/25/2019 12:33:47	0.0	0.1	0.1	0.1
237	6/25/2019 12:34:47	0.1	0.1	0.1	0.1
238	6/25/2019 12:35:47	0.1	0.1	0.1	0.1
239	6/25/2019 12:36:47	0.1	0.1	0.1	0.1
240	6/25/2019 12:37:47	0.1	0.1	0.1	0.1
241	6/25/2019 12:38:47	0.1	0.1	0.1	0.1
242	6/25/2019 12:39:47	0.1	0.1	0.1	0.1
243	6/25/2019 12:40:47	0.1	0.1	0.1	0.1
244	6/25/2019 12:41:47	0.1	0.1	0.1	0.1
245	6/25/2019 12:42:47	0.1	0.1	0.1	0.1
246	6/25/2019 12:43:47	0.1	0.1	0.1	0.1
247	6/25/2019 12:44:47	0.1	0.1	0.1	0.1
248	6/25/2019 12:45:47	0.1	0.1	0.1	0.1
249	6/25/2019 12:46:47	0.1	0.1	0.1	0.1
250	6/25/2019 12:47:47	0.1	0.1	0.1	0.1

251	6/25/2019 12:48:47	0.1	0.1	0.1	0.1
252	6/25/2019 12:49:47	0.1	0.1	0.1	0.1
253	6/25/2019 12:50:47	0.1	0.1	0.1	0.1
254	6/25/2019 12:51:47	0.1	0.1	0.1	0.1
255	6/25/2019 12:52:47	0.1	0.1	0.1	0.1
256	6/25/2019 12:53:47	0.1	0.1	0.1	0.1
257	6/25/2019 12:54:47	0.1	0.1	0.1	0.1
258	6/25/2019 12:55:47	0.1	0.1	0.1	0.1
259	6/25/2019 12:56:47	0.1	0.1	0.1	0.1
260	6/25/2019 12:57:47	0.1	0.1	0.1	0.1
261	6/25/2019 12:58:47	0.1	0.1	0.1	0.1
262	6/25/2019 12:59:47	0.1	0.1	0.1	0.1
263	6/25/2019 13:00:47	0.1	0.1	0.1	0.1
264	6/25/2019 13:01:47	0.1	0.1	0.1	0.1
265	6/25/2019 13:02:47	0.1	0.1	0.1	0.1
266	6/25/2019 13:03:47	0.1	0.1	0.1	0.1
267	6/25/2019 13:04:47	0.1	0.1	0.1	0.1
268	6/25/2019 13:05:47	0.1	0.1	0.1	0.1
269	6/25/2019 13:06:47	0.1	0.1	0.1	0.1
270	6/25/2019 13:07:47	0.1	0.1	0.1	0.1
271	6/25/2019 13:08:47	0.1	0.1	0.1	0.1
272	6/25/2019 13:09:47	0.1	0.1	0.1	0.1
273	6/25/2019 13:10:47	0.1	0.1	0.1	0.1
274	6/25/2019 13:11:47	0.1	0.1	0.1	0.1
275	6/25/2019 13:12:47	0.1	0.1	0.1	0.1
276	6/25/2019 13:13:47	0.1	0.1	0.1	0.1
277	6/25/2019 13:14:47	0.1	0.1	0.1	0.1
278	6/25/2019 13:15:47	0.1	0.1	0.1	0.1
279	6/25/2019 13:16:47	0.1	0.1	0.1	0.1
280	6/25/2019 13:17:47	0.1	0.1	0.1	0.1
281	6/25/2019 13:18:47	0.1	0.1	0.1	0.1
282	6/25/2019 13:19:47	0.1	0.1	0.1	0.1
283	6/25/2019 13:20:47	0.1	0.1	0.1	0.1
284	6/25/2019 13:21:47	0.1	0.1	0.1	0.1
285	6/25/2019 13:22:47	0.1	0.1	0.1	0.1
286	6/25/2019 13:23:47	0.1	0.1	0.1	0.1
287	6/25/2019 13:24:47	0.1	0.1	0.1	0.1
288	6/25/2019 13:25:47	0.1	0.1	0.1	0.1
289	6/25/2019 13:26:47	0.1	0.1	0.1	0.1
290	6/25/2019 13:27:47	0.1	0.1	0.1	0.1
291	6/25/2019 13:28:47	0.1	0.1	0.1	0.1
292	6/25/2019 13:29:47	0.1	0.1	0.1	0.1
293	6/25/2019 13:30:47	0.1	0.1	0.1	0.1
294	6/25/2019 13:31:47	0.1	0.1	0.1	0.1
295	6/25/2019 13:32:47	0.1	0.1	0.1	0.1
296	6/25/2019 13:33:47	0.1	0.1	0.1	0.1
297	6/25/2019 13:34:47	0.1	0.1	0.1	0.1
298	6/25/2019 13:35:47	0.1	0.1	0.1	0.1
299	6/25/2019 13:36:47	0.1	0.1	0.1	0.1
300	6/25/2019 13:37:47	0.1	0.1	0.1	0.1

301	6/25/2019	13:38:47	0.1	0.1	0.1	0.1
302	6/25/2019	13:39:47	0.1	0.1	0.1	0.1
303	6/25/2019	13:40:47	0.1	0.1	0.1	0.1
304	6/25/2019	13:41:47	0.1	0.1	0.1	0.1
305	6/25/2019	13:42:47	0.1	0.1	0.1	0.1
306	6/25/2019	13:43:47	0.1	0.1	0.1	0.1
307	6/25/2019	13:44:47	0.1	0.1	0.1	0.1
308	6/25/2019	13:45:47	0.1	0.1	0.1	0.1
309	6/25/2019	13:46:47	0.1	0.1	0.1	0.1
310	6/25/2019	13:47:47	0.1	0.1	0.1	0.1
311	6/25/2019	13:48:47	0.1	0.1	0.1	0.1
312	6/25/2019	13:49:47	0.1	0.1	0.1	0.1
313	6/25/2019	13:50:47	0.1	0.1	0.1	0.1
314	6/25/2019	13:51:47	0.1	0.1	0.1	0.1
315	6/25/2019	13:52:47	0.1	0.1	0.1	0.1
316	6/25/2019	13:53:47	0.1	0.1	0.1	0.1
317	6/25/2019	13:54:47	0.1	0.1	0.1	0.1
318	6/25/2019	13:55:47	0.1	0.1	0.1	0.1
319	6/25/2019	13:56:47	0.1	0.1	0.1	0.1
320	6/25/2019	13:57:47	0.1	0.1	0.1	0.1
321	6/25/2019	13:58:47	0.1	0.1	0.1	0.1
322	6/25/2019	13:59:47	0.1	0.1	0.1	0.1
323	6/25/2019	14:00:47	0.1	0.1	0.1	0.1
324	6/25/2019	14:01:47	0.1	0.1	0.1	0.1
325	6/25/2019	14:02:47	0.1	0.1	0.1	0.1
326	6/25/2019	14:03:47	0.1	0.1	0.1	0.1
327	6/25/2019	14:04:47	0.1	0.1	0.1	0.1
328	6/25/2019	14:05:47	0.1	0.1	0.1	0.1
329	6/25/2019	14:06:47	0.1	0.1	0.1	0.1
330	6/25/2019	14:07:47	0.1	0.1	0.1	0.1
331	6/25/2019	14:08:47	0.1	0.1	0.1	0.1
332	6/25/2019	14:09:47	0.1	0.1	0.1	0.1
333	6/25/2019	14:10:47	0.1	0.1	0.1	0.1
334	6/25/2019	14:11:47	0.1	0.1	0.1	0.1
335	6/25/2019	14:12:47	0.1	0.1	0.1	0.1
336	6/25/2019	14:13:47	0.1	0.1	0.1	0.1
337	6/25/2019	14:14:47	0.1	0.1	0.1	0.1
338	6/25/2019	14:15:47	0.1	0.1	0.1	0.1
339	6/25/2019	14:16:47	0.1	0.1	0.1	0.1
340	6/25/2019	14:17:47	0.1	0.1	0.1	0.1
341	6/25/2019	14:18:47	0.1	0.1	0.1	0.1
342	6/25/2019	14:19:47	0.1	0.1	0.1	0.1
343	6/25/2019	14:20:47	0.1	0.1	0.1	0.1
344	6/25/2019	14:21:47	0.1	0.1	0.1	0.1
345	6/25/2019	14:22:47	0.1	0.1	0.1	0.1
346	6/25/2019	14:23:47	0.1	0.1	0.1	0.1
347	6/25/2019	14:24:47	0.1	0.1	0.1	0.1
348	6/25/2019	14:25:47	0.1	0.1	0.1	0.1
349	6/25/2019	14:26:47	0.1	0.1	0.1	0.1
350	6/25/2019	14:27:47	0.1	0.1	0.1	0.1

351	6/25/2019 14:28:47	0.1	0.1	0.1	0.1
352	6/25/2019 14:29:47	0.1	0.1	0.1	0.1
353	6/25/2019 14:30:47	0.1	0.1	0.1	0.1
354	6/25/2019 14:31:47	0.1	0.1	0.1	0.1
355	6/25/2019 14:32:47	0.1	0.1	0.1	0.1
356	6/25/2019 14:33:47	0.1	0.1	0.1	0.1
357	6/25/2019 14:34:47	0.1	0.1	0.1	0.1
358	6/25/2019 14:35:47	0.1	0.1	0.1	0.1
359	6/25/2019 14:36:47	0.1	0.1	0.1	0.1
360	6/25/2019 14:37:47	0.1	0.1	0.1	0.1
361	6/25/2019 14:38:47	0.1	0.1	0.1	0.1
362	6/25/2019 14:39:47	0.1	0.1	0.1	0.1
363	6/25/2019 14:40:47	0.1	0.1	0.1	0.1
364	6/25/2019 14:41:47	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.2	0.2
Min		0.0	0.0	0.0	0.0
Average		0.0	0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/25/2019 08:38:47	0.0	---
002	6/25/2019 08:39:47	0.0	---
003	6/25/2019 08:40:47	0.0	---
004	6/25/2019 08:41:47	0.0	---
005	6/25/2019 08:42:47	0.0	---
006	6/25/2019 08:43:47	0.0	---
007	6/25/2019 08:44:47	0.0	---
008	6/25/2019 08:45:47	0.0	---
009	6/25/2019 08:46:47	0.0	---
010	6/25/2019 08:47:47	0.0	---
011	6/25/2019 08:48:47	0.0	---
012	6/25/2019 08:49:47	0.0	---
013	6/25/2019 08:50:47	0.0	---
014	6/25/2019 08:51:47	0.0	---
015	6/25/2019 08:52:47	0.0	0.0
016	6/25/2019 08:53:47	0.0	0.0
017	6/25/2019 08:54:47	0.0	0.0
018	6/25/2019 08:55:47	0.0	0.0
019	6/25/2019 08:56:47	0.0	0.0
020	6/25/2019 08:57:47	0.0	0.0
021	6/25/2019 08:58:47	0.0	0.0
022	6/25/2019 08:59:47	0.0	0.0
023	6/25/2019 09:00:47	0.0	0.0
024	6/25/2019 09:01:47	0.0	0.0
025	6/25/2019 09:02:47	0.0	0.0
026	6/25/2019 09:03:47	0.0	0.0
027	6/25/2019 09:04:47	0.0	0.0
028	6/25/2019 09:05:47	0.0	0.0

029	6/25/2019 09:06:47	0.0	0.0
030	6/25/2019 09:07:47	0.0	0.0
031	6/25/2019 09:08:47	0.0	0.0
032	6/25/2019 09:09:47	0.0	0.0
033	6/25/2019 09:10:47	0.0	0.0
034	6/25/2019 09:11:47	0.0	0.0
035	6/25/2019 09:12:47	0.0	0.0
036	6/25/2019 09:13:47	0.0	0.0
037	6/25/2019 09:14:47	0.0	0.0
038	6/25/2019 09:15:47	0.0	0.0
039	6/25/2019 09:16:47	0.0	0.0
040	6/25/2019 09:17:47	0.0	0.0
041	6/25/2019 09:18:47	0.0	0.0
042	6/25/2019 09:19:47	0.0	0.0
043	6/25/2019 09:20:47	0.0	0.0
044	6/25/2019 09:21:47	0.0	0.0
045	6/25/2019 09:22:47	0.0	0.0
046	6/25/2019 09:23:47	0.0	0.0
047	6/25/2019 09:24:47	0.0	0.0
048	6/25/2019 09:25:47	0.0	0.0
049	6/25/2019 09:26:47	0.0	0.0
050	6/25/2019 09:27:47	0.0	0.0
051	6/25/2019 09:28:47	0.0	0.0
052	6/25/2019 09:29:47	0.0	0.0
053	6/25/2019 09:30:47	0.0	0.0
054	6/25/2019 09:31:47	0.0	0.0
055	6/25/2019 09:32:47	0.0	0.0
056	6/25/2019 09:33:47	0.0	0.0
057	6/25/2019 09:34:47	0.0	0.0
058	6/25/2019 09:35:47	0.0	0.0
059	6/25/2019 09:36:47	0.0	0.0
060	6/25/2019 09:37:47	0.0	0.0
061	6/25/2019 09:38:47	0.0	0.0
062	6/25/2019 09:39:47	0.0	0.0
063	6/25/2019 09:40:47	0.0	0.0
064	6/25/2019 09:41:47	0.0	0.0
065	6/25/2019 09:42:47	0.0	0.0
066	6/25/2019 09:43:47	0.0	0.0
067	6/25/2019 09:44:47	0.0	0.0
068	6/25/2019 09:45:47	0.0	0.0
069	6/25/2019 09:46:47	0.0	0.0
070	6/25/2019 09:47:47	0.0	0.0
071	6/25/2019 09:48:47	0.0	0.0
072	6/25/2019 09:49:47	0.0	0.0
073	6/25/2019 09:50:47	0.0	0.0
074	6/25/2019 09:51:47	0.0	0.0
075	6/25/2019 09:52:47	0.0	0.0
076	6/25/2019 09:53:47	0.0	0.0
077	6/25/2019 09:54:47	0.0	0.0
078	6/25/2019 09:55:47	0.0	0.0

079	6/25/2019 09:56:47	0.0	0.0
080	6/25/2019 09:57:47	0.0	0.0
081	6/25/2019 09:58:47	0.0	0.0
082	6/25/2019 09:59:47	0.0	0.0
083	6/25/2019 10:00:47	0.0	0.0
084	6/25/2019 10:01:47	0.0	0.0
085	6/25/2019 10:02:47	0.0	0.0
086	6/25/2019 10:03:47	0.0	0.0
087	6/25/2019 10:04:47	0.0	0.0
088	6/25/2019 10:05:47	0.0	0.0
089	6/25/2019 10:06:47	0.0	0.0
090	6/25/2019 10:07:47	0.0	0.0
091	6/25/2019 10:08:47	0.0	0.0
092	6/25/2019 10:09:47	0.0	0.0
093	6/25/2019 10:10:47	0.0	0.0
094	6/25/2019 10:11:47	0.0	0.0
095	6/25/2019 10:12:47	0.0	0.0
096	6/25/2019 10:13:47	0.0	0.0
097	6/25/2019 10:14:47	0.0	0.0
098	6/25/2019 10:15:47	0.0	0.0
099	6/25/2019 10:16:47	0.0	0.0
100	6/25/2019 10:17:47	0.0	0.0
101	6/25/2019 10:18:47	0.0	0.0
102	6/25/2019 10:19:47	0.0	0.0
103	6/25/2019 10:20:47	0.0	0.0
104	6/25/2019 10:21:47	0.0	0.0
105	6/25/2019 10:22:47	0.0	0.0
106	6/25/2019 10:23:47	0.0	0.0
107	6/25/2019 10:24:47	0.0	0.0
108	6/25/2019 10:25:47	0.0	0.0
109	6/25/2019 10:26:47	0.0	0.0
110	6/25/2019 10:27:47	0.0	0.0
111	6/25/2019 10:28:47	0.0	0.0
112	6/25/2019 10:29:47	0.0	0.0
113	6/25/2019 10:30:47	0.0	0.0
114	6/25/2019 10:31:47	0.0	0.0
115	6/25/2019 10:32:47	0.0	0.0
116	6/25/2019 10:33:47	0.0	0.0
117	6/25/2019 10:34:47	0.0	0.0
118	6/25/2019 10:35:47	0.0	0.0
119	6/25/2019 10:36:47	0.0	0.0
120	6/25/2019 10:37:47	0.0	0.0
121	6/25/2019 10:38:47	0.0	0.0
122	6/25/2019 10:39:47	0.0	0.0
123	6/25/2019 10:40:47	0.0	0.0
124	6/25/2019 10:41:47	0.0	0.0
125	6/25/2019 10:42:47	0.0	0.0
126	6/25/2019 10:43:47	0.0	0.0
127	6/25/2019 10:44:47	0.0	0.0
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129	6/25/2019 10:46:47	0.0	0.0
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131	6/25/2019 10:48:47	0.0	0.0
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133	6/25/2019 10:50:47	0.0	0.0
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135	6/25/2019 10:52:47	0.0	0.0
136	6/25/2019 10:53:47	0.0	0.0
137	6/25/2019 10:54:47	0.0	0.0
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139	6/25/2019 10:56:47	0.0	0.0
140	6/25/2019 10:57:47	0.0	0.0
141	6/25/2019 10:58:47	0.0	0.0
142	6/25/2019 10:59:47	0.0	0.0
143	6/25/2019 11:00:47	0.0	0.0
144	6/25/2019 11:01:47	0.0	0.0
145	6/25/2019 11:02:47	0.0	0.0
146	6/25/2019 11:03:47	0.0	0.0
147	6/25/2019 11:04:47	0.0	0.0
148	6/25/2019 11:05:47	0.0	0.0
149	6/25/2019 11:06:47	0.0	0.0
150	6/25/2019 11:07:47	0.0	0.0
151	6/25/2019 11:08:47	0.0	0.0
152	6/25/2019 11:09:47	0.0	0.0
153	6/25/2019 11:10:47	0.0	0.0
154	6/25/2019 11:11:47	0.0	0.0
155	6/25/2019 11:12:47	0.0	0.0
156	6/25/2019 11:13:47	0.0	0.0
157	6/25/2019 11:14:47	0.0	0.0
158	6/25/2019 11:15:47	0.0	0.1
159	6/25/2019 11:16:47	0.0	0.1
160	6/25/2019 11:17:47	0.0	0.1
161	6/25/2019 11:18:47	0.0	0.1
162	6/25/2019 11:19:47	0.0	0.1
163	6/25/2019 11:20:47	0.0	0.1
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165	6/25/2019 11:22:47	0.0	0.1
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167	6/25/2019 11:24:47	0.0	0.1
168	6/25/2019 11:25:47	0.0	0.1
169	6/25/2019 11:26:47	0.0	0.0
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173	6/25/2019 11:30:47	0.0	0.0
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175	6/25/2019 11:32:47	0.0	0.0
176	6/25/2019 11:33:47	0.0	0.0
177	6/25/2019 11:34:47	0.0	0.0
178	6/25/2019 11:35:47	0.0	0.0

179	6/25/2019 11:36:47	0.0	0.0
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181	6/25/2019 11:38:47	0.0	0.0
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183	6/25/2019 11:40:47	0.0	0.0
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185	6/25/2019 11:42:47	0.0	0.0
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191	6/25/2019 11:48:47	0.0	0.0
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200	6/25/2019 11:57:47	0.0	0.0
201	6/25/2019 11:58:47	0.0	0.0
202	6/25/2019 11:59:47	0.0	0.0
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204	6/25/2019 12:01:47	0.0	0.0
205	6/25/2019 12:02:47	0.0	0.0
206	6/25/2019 12:03:47	0.0	0.1
207	6/25/2019 12:04:47	0.0	0.1
208	6/25/2019 12:05:47	0.0	0.1
209	6/25/2019 12:06:47	0.0	0.1
210	6/25/2019 12:07:47	0.0	0.1
211	6/25/2019 12:08:47	0.0	0.1
212	6/25/2019 12:09:47	0.0	0.1
213	6/25/2019 12:10:47	0.0	0.1
214	6/25/2019 12:11:47	0.0	0.1
215	6/25/2019 12:12:47	0.0	0.1
216	6/25/2019 12:13:47	0.0	0.1
217	6/25/2019 12:14:47	0.0	0.1
218	6/25/2019 12:15:47	0.0	0.1
219	6/25/2019 12:16:47	0.0	0.1
220	6/25/2019 12:17:47	0.0	0.1
221	6/25/2019 12:18:47	0.0	0.1
222	6/25/2019 12:19:47	0.0	0.1
223	6/25/2019 12:20:47	0.0	0.1
224	6/25/2019 12:21:47	0.0	0.1
225	6/25/2019 12:22:47	0.0	0.1
226	6/25/2019 12:23:47	0.0	0.1
227	6/25/2019 12:24:47	0.0	0.1
228	6/25/2019 12:25:47	0.0	0.1

229	6/25/2019 12:26:47	0.0	0.1
230	6/25/2019 12:27:47	0.0	0.1
231	6/25/2019 12:28:47	0.0	0.1
232	6/25/2019 12:29:47	0.0	0.1
233	6/25/2019 12:30:47	0.0	0.1
234	6/25/2019 12:31:47	0.0	0.1
235	6/25/2019 12:32:47	0.0	0.1
236	6/25/2019 12:33:47	0.0	0.1
237	6/25/2019 12:34:47	0.0	0.1
238	6/25/2019 12:35:47	0.0	0.1
239	6/25/2019 12:36:47	0.0	0.1
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243	6/25/2019 12:40:47	0.0	0.1
244	6/25/2019 12:41:47	0.0	0.1
245	6/25/2019 12:42:47	0.0	0.1
246	6/25/2019 12:43:47	0.0	0.1
247	6/25/2019 12:44:47	0.0	0.1
248	6/25/2019 12:45:47	0.0	0.1
249	6/25/2019 12:46:47	0.0	0.1
250	6/25/2019 12:47:47	0.0	0.1
251	6/25/2019 12:48:47	0.0	0.1
252	6/25/2019 12:49:47	0.0	0.1
253	6/25/2019 12:50:47	0.0	0.1
254	6/25/2019 12:51:47	0.0	0.1
255	6/25/2019 12:52:47	0.0	0.1
256	6/25/2019 12:53:47	0.0	0.1
257	6/25/2019 12:54:47	0.0	0.1
258	6/25/2019 12:55:47	0.0	0.1
259	6/25/2019 12:56:47	0.0	0.1
260	6/25/2019 12:57:47	0.0	0.1
261	6/25/2019 12:58:47	0.0	0.1
262	6/25/2019 12:59:47	0.0	0.1
263	6/25/2019 13:00:47	0.0	0.1
264	6/25/2019 13:01:47	0.0	0.1
265	6/25/2019 13:02:47	0.0	0.1
266	6/25/2019 13:03:47	0.0	0.1
267	6/25/2019 13:04:47	0.0	0.1
268	6/25/2019 13:05:47	0.0	0.1
269	6/25/2019 13:06:47	0.0	0.1
270	6/25/2019 13:07:47	0.0	0.1
271	6/25/2019 13:08:47	0.0	0.1
272	6/25/2019 13:09:47	0.0	0.1
273	6/25/2019 13:10:47	0.0	0.1
274	6/25/2019 13:11:47	0.0	0.1
275	6/25/2019 13:12:47	0.0	0.1
276	6/25/2019 13:13:47	0.0	0.1
277	6/25/2019 13:14:47	0.0	0.1
278	6/25/2019 13:15:47	0.0	0.1

279	6/25/2019 13:16:47	0.0	0.1
280	6/25/2019 13:17:47	0.0	0.1
281	6/25/2019 13:18:47	0.0	0.1
282	6/25/2019 13:19:47	0.0	0.1
283	6/25/2019 13:20:47	0.0	0.1
284	6/25/2019 13:21:47	0.0	0.1
285	6/25/2019 13:22:47	0.0	0.1
286	6/25/2019 13:23:47	0.0	0.1
287	6/25/2019 13:24:47	0.0	0.1
288	6/25/2019 13:25:47	0.0	0.1
289	6/25/2019 13:26:47	0.0	0.1
290	6/25/2019 13:27:47	0.0	0.1
291	6/25/2019 13:28:47	0.0	0.1
292	6/25/2019 13:29:47	0.0	0.1
293	6/25/2019 13:30:47	0.0	0.1
294	6/25/2019 13:31:47	0.0	0.1
295	6/25/2019 13:32:47	0.0	0.1
296	6/25/2019 13:33:47	0.0	0.1
297	6/25/2019 13:34:47	0.0	0.1
298	6/25/2019 13:35:47	0.0	0.1
299	6/25/2019 13:36:47	0.0	0.1
300	6/25/2019 13:37:47	0.0	0.1
301	6/25/2019 13:38:47	0.0	0.1
302	6/25/2019 13:39:47	0.0	0.1
303	6/25/2019 13:40:47	0.0	0.1
304	6/25/2019 13:41:47	0.0	0.1
305	6/25/2019 13:42:47	0.0	0.1
306	6/25/2019 13:43:47	0.0	0.1
307	6/25/2019 13:44:47	0.0	0.1
308	6/25/2019 13:45:47	0.0	0.1
309	6/25/2019 13:46:47	0.0	0.1
310	6/25/2019 13:47:47	0.0	0.1
311	6/25/2019 13:48:47	0.0	0.1
312	6/25/2019 13:49:47	0.0	0.1
313	6/25/2019 13:50:47	0.0	0.1
314	6/25/2019 13:51:47	0.0	0.1
315	6/25/2019 13:52:47	0.0	0.1
316	6/25/2019 13:53:47	0.0	0.1
317	6/25/2019 13:54:47	0.0	0.1
318	6/25/2019 13:55:47	0.0	0.1
319	6/25/2019 13:56:47	0.0	0.1
320	6/25/2019 13:57:47	0.0	0.1
321	6/25/2019 13:58:47	0.0	0.1
322	6/25/2019 13:59:47	0.0	0.1
323	6/25/2019 14:00:47	0.0	0.1
324	6/25/2019 14:01:47	0.0	0.1
325	6/25/2019 14:02:47	0.0	0.1
326	6/25/2019 14:03:47	0.0	0.1
327	6/25/2019 14:04:47	0.0	0.1
328	6/25/2019 14:05:47	0.0	0.1

329	6/25/2019 14:06:47	0.0	0.1
330	6/25/2019 14:07:47	0.0	0.1
331	6/25/2019 14:08:47	0.0	0.1
332	6/25/2019 14:09:47	0.0	0.1
333	6/25/2019 14:10:47	0.0	0.1
334	6/25/2019 14:11:47	0.0	0.1
335	6/25/2019 14:12:47	0.0	0.1
336	6/25/2019 14:13:47	0.0	0.1
337	6/25/2019 14:14:47	0.0	0.1
338	6/25/2019 14:15:47	0.0	0.1
339	6/25/2019 14:16:47	0.0	0.1
340	6/25/2019 14:17:47	0.0	0.1
341	6/25/2019 14:18:47	0.0	0.1
342	6/25/2019 14:19:47	0.0	0.1
343	6/25/2019 14:20:47	0.0	0.1
344	6/25/2019 14:21:47	0.0	0.1
345	6/25/2019 14:22:47	0.0	0.1
346	6/25/2019 14:23:47	0.0	0.1
347	6/25/2019 14:24:47	0.0	0.1
348	6/25/2019 14:25:47	0.0	0.1
349	6/25/2019 14:26:47	0.0	0.1
350	6/25/2019 14:27:47	0.0	0.1
351	6/25/2019 14:28:47	0.0	0.1
352	6/25/2019 14:29:47	0.0	0.1
353	6/25/2019 14:30:47	0.0	0.1
354	6/25/2019 14:31:47	0.0	0.1
355	6/25/2019 14:32:47	0.0	0.1
356	6/25/2019 14:33:47	0.0	0.1
357	6/25/2019 14:34:47	0.0	0.1
358	6/25/2019 14:35:47	0.0	0.1
359	6/25/2019 14:36:47	0.0	0.1
360	6/25/2019 14:37:47	0.0	0.1
361	6/25/2019 14:38:47	0.0	0.1
362	6/25/2019 14:39:47	0.0	0.1
363	6/25/2019 14:40:47	0.0	0.1
364	6/25/2019 14:41:47	0.0	0.1

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19/06/26 08:16

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Summary

Unit Name MiniRAE 3000 +(PGM-7320)

Unit SN 592-927314

Unit Firmware Ver V2.20

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000
User ID USER0000

Begin 6/26/2019 08:16:41
End 6/26/2019 14:50:18
Sample Period(s) 60
Number of Records 393

Sensor PID(ppm)
Sensor SN S023030197W2
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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 6/26/2019 07:52
Peak 0.6
Min 0.0
Average 0.1

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/26/2019 08:17:41	0.0	0.0	0.0	0.0	
002	6/26/2019 08:18:41	0.0	0.0	0.1	0.0	
003	6/26/2019 08:19:41	0.0	0.0	0.2	0.0	
004	6/26/2019 08:20:41	0.0	0.1	0.9	0.4	
005	6/26/2019 08:21:41	0.0	0.0	0.4	0.0	
006	6/26/2019 08:22:41	0.0	0.0	0.1	0.1	
007	6/26/2019 08:23:41	0.0	0.1	0.4	0.0	
008	6/26/2019 08:24:41	0.0	0.1	0.5	0.1	
009	6/26/2019 08:25:41	0.0	0.0	0.1	0.0	
010	6/26/2019 08:26:41	0.0	0.1	0.4	0.1	
011	6/26/2019 08:27:41	0.0	0.0	0.1	0.0	
012	6/26/2019 08:28:41	0.0	0.1	0.3	0.0	
013	6/26/2019 08:29:41	0.0	0.0	0.3	0.0	
014	6/26/2019 08:30:41	0.0	0.0	0.2	0.0	
015	6/26/2019 08:31:41	0.0	0.0	0.0	0.0	
016	6/26/2019 08:32:41	0.0	0.0	0.1	0.0	
017	6/26/2019 08:33:41	0.0	0.0	0.0	0.0	
018	6/26/2019 08:34:41	0.0	0.0	0.0	0.0	
019	6/26/2019 08:35:41	0.0	0.0	0.3	0.0	
020	6/26/2019 08:36:41	0.0	0.0	0.1	0.1	
021	6/26/2019 08:37:41	0.0	0.0	0.2	0.2	
022	6/26/2019 08:38:41	0.0	0.1	0.4	0.3	

023	6/26/2019	08:39:41	0.0	0.1	0.5	0.3
024	6/26/2019	08:40:41	0.0	0.0	0.1	0.0
025	6/26/2019	08:41:41	0.0	0.1	0.6	0.0
026	6/26/2019	08:42:41	0.0	0.1	0.4	0.1
027	6/26/2019	08:43:41	0.0	0.0	0.3	0.0
028	6/26/2019	08:44:41	0.0	0.0	0.0	0.0
029	6/26/2019	08:45:41	0.0	0.0	0.1	0.0
030	6/26/2019	08:46:41	0.0	0.0	0.1	0.0
031	6/26/2019	08:47:41	0.0	0.0	0.2	0.0
032	6/26/2019	08:48:41	0.0	0.0	0.0	0.0
033	6/26/2019	08:49:41	0.0	0.0	0.0	0.0
034	6/26/2019	08:50:41	0.0	0.0	0.0	0.0
035	6/26/2019	08:51:41	0.0	0.1	0.3	0.0
036	6/26/2019	08:52:41	0.0	0.0	0.2	0.0
037	6/26/2019	08:53:41	0.0	0.0	0.0	0.0
038	6/26/2019	08:54:41	0.0	0.0	0.1	0.0
039	6/26/2019	08:55:41	0.0	0.0	0.0	0.0
040	6/26/2019	08:56:41	0.0	0.0	0.0	0.0
041	6/26/2019	08:57:41	0.0	0.0	0.2	0.2
042	6/26/2019	08:58:41	0.0	0.0	0.2	0.0
043	6/26/2019	08:59:41	0.0	0.0	0.1	0.0
044	6/26/2019	09:00:41	0.0	0.0	0.1	0.0
045	6/26/2019	09:01:41	0.0	0.0	0.1	0.0
046	6/26/2019	09:02:41	0.0	0.1	0.2	0.0
047	6/26/2019	09:03:41	0.0	0.0	0.0	0.0
048	6/26/2019	09:04:41	0.0	0.0	0.0	0.0
049	6/26/2019	09:05:41	0.0	0.0	0.0	0.0
050	6/26/2019	09:06:41	0.0	0.0	0.0	0.0
051	6/26/2019	09:07:41	0.0	0.0	0.0	0.0
052	6/26/2019	09:08:41	0.0	0.0	0.0	0.0
053	6/26/2019	09:09:41	0.0	0.0	0.0	0.0
054	6/26/2019	09:10:41	0.0	0.0	0.1	0.0
055	6/26/2019	09:11:41	0.0	0.0	0.1	0.0
056	6/26/2019	09:12:41	0.0	0.0	0.2	0.0
057	6/26/2019	09:13:41	0.0	0.0	0.1	0.0
058	6/26/2019	09:14:41	0.0	0.0	0.0	0.0
059	6/26/2019	09:15:41	0.0	0.0	0.0	0.0
060	6/26/2019	09:16:41	0.0	0.0	0.0	0.0
061	6/26/2019	09:17:41	0.0	0.0	0.1	0.0
062	6/26/2019	09:18:41	0.0	0.0	0.1	0.0
063	6/26/2019	09:19:41	0.0	0.0	0.1	0.0
064	6/26/2019	09:20:41	0.0	0.0	0.1	0.0
065	6/26/2019	09:21:41	0.0	0.0	0.0	0.0
066	6/26/2019	09:22:41	0.0	0.0	0.1	0.0
067	6/26/2019	09:23:41	0.0	0.0	0.1	0.0
068	6/26/2019	09:24:41	0.0	0.0	0.0	0.0
069	6/26/2019	09:25:41	0.0	0.0	0.1	0.0
070	6/26/2019	09:26:41	0.0	0.0	0.1	0.0
071	6/26/2019	09:27:41	0.0	0.0	0.1	0.1
072	6/26/2019	09:28:41	0.0	0.0	0.1	0.0

073	6/26/2019	09:29:41	0.0	0.0	0.1	0.0
074	6/26/2019	09:30:41	0.0	0.0	0.4	0.4
075	6/26/2019	09:31:41	0.0	0.1	0.4	0.0
076	6/26/2019	09:32:41	0.0	0.0	0.2	0.0
077	6/26/2019	09:33:41	0.0	0.0	0.2	0.0
078	6/26/2019	09:34:41	0.0	0.2	0.8	0.6
079	6/26/2019	09:35:41	0.1	0.4	0.6	0.1
080	6/26/2019	09:36:41	0.1	0.1	0.2	0.1
081	6/26/2019	09:37:41	0.1	0.1	0.2	0.2
082	6/26/2019	09:38:41	0.0	0.1	0.2	0.0
083	6/26/2019	09:39:41	0.0	0.1	0.1	0.1
084	6/26/2019	09:40:41	0.0	0.0	0.1	0.0
085	6/26/2019	09:41:41	0.0	0.0	0.1	0.0
086	6/26/2019	09:42:41	0.0	0.0	0.0	0.0
087	6/26/2019	09:43:41	0.0	0.0	0.1	0.0
088	6/26/2019	09:44:41	0.0	0.0	0.1	0.0
089	6/26/2019	09:45:41	0.0	0.1	0.1	0.1
090	6/26/2019	09:46:41	0.0	0.1	0.1	0.0
091	6/26/2019	09:47:41	0.0	0.0	0.1	0.0
092	6/26/2019	09:48:41	0.0	0.0	0.1	0.1
093	6/26/2019	09:49:41	0.1	0.1	0.2	0.1
094	6/26/2019	09:50:41	0.0	0.1	0.1	0.1
095	6/26/2019	09:51:41	0.0	0.1	0.1	0.1
096	6/26/2019	09:52:41	0.0	0.1	0.1	0.1
097	6/26/2019	09:53:41	0.0	0.1	0.1	0.1
098	6/26/2019	09:54:41	0.0	0.1	0.1	0.1
099	6/26/2019	09:55:41	0.1	0.1	0.1	0.1
100	6/26/2019	09:56:41	0.1	0.1	0.1	0.1
101	6/26/2019	09:57:41	0.1	0.1	0.2	0.1
102	6/26/2019	09:58:41	0.1	0.1	0.2	0.1
103	6/26/2019	09:59:41	0.1	0.1	0.1	0.1
104	6/26/2019	10:00:41	0.1	0.1	0.2	0.1
105	6/26/2019	10:01:41	0.1	0.1	0.2	0.1
106	6/26/2019	10:02:41	0.1	0.1	0.1	0.1
107	6/26/2019	10:03:41	0.1	0.1	0.1	0.1
108	6/26/2019	10:04:41	0.1	0.1	0.2	0.1
109	6/26/2019	10:05:41	0.1	0.1	0.1	0.1
110	6/26/2019	10:06:41	0.1	0.1	0.2	0.1
111	6/26/2019	10:07:41	0.1	0.1	0.1	0.1
112	6/26/2019	10:08:41	0.1	0.1	0.1	0.1
113	6/26/2019	10:09:41	0.1	0.1	0.1	0.1
114	6/26/2019	10:10:41	0.1	0.1	0.2	0.1
115	6/26/2019	10:11:41	0.1	0.1	0.1	0.1
116	6/26/2019	10:12:41	0.1	0.1	0.2	0.2
117	6/26/2019	10:13:41	0.1	0.1	0.2	0.1
118	6/26/2019	10:14:41	0.1	0.1	0.2	0.1
119	6/26/2019	10:15:41	0.1	0.1	0.2	0.1
120	6/26/2019	10:16:41	0.1	0.1	0.2	0.2
121	6/26/2019	10:17:41	0.1	0.2	0.4	0.1
122	6/26/2019	10:18:41	0.1	0.1	0.2	0.1

123	6/26/2019	10:19:41	0.1	0.1	0.2	0.2
124	6/26/2019	10:20:41	0.1	0.1	0.2	0.1
125	6/26/2019	10:21:41	0.1	0.1	0.2	0.2
126	6/26/2019	10:22:41	0.1	0.1	0.2	0.2
127	6/26/2019	10:23:41	0.1	0.1	0.3	0.1
128	6/26/2019	10:24:41	0.1	0.1	0.2	0.1
129	6/26/2019	10:25:41	0.1	0.1	0.2	0.2
130	6/26/2019	10:26:41	0.1	0.1	0.2	0.1
131	6/26/2019	10:27:41	0.1	0.1	0.2	0.2
132	6/26/2019	10:28:41	0.1	0.2	0.2	0.1
133	6/26/2019	10:29:41	0.1	0.1	0.2	0.2
134	6/26/2019	10:30:41	0.1	0.1	0.2	0.1
135	6/26/2019	10:31:41	0.1	0.1	0.2	0.1
136	6/26/2019	10:32:41	0.1	0.2	0.2	0.2
137	6/26/2019	10:33:41	0.1	0.1	0.2	0.1
138	6/26/2019	10:34:41	0.1	0.2	0.2	0.1
139	6/26/2019	10:35:41	0.1	0.1	0.2	0.1
140	6/26/2019	10:36:41	0.1	0.1	0.2	0.1
141	6/26/2019	10:37:41	0.1	0.1	0.2	0.1
142	6/26/2019	10:38:41	0.1	0.1	0.2	0.1
143	6/26/2019	10:39:41	0.1	0.1	0.2	0.1
144	6/26/2019	10:40:41	0.1	0.1	0.2	0.1
145	6/26/2019	10:41:41	0.1	0.1	0.2	0.1
146	6/26/2019	10:42:41	0.1	0.1	0.1	0.1
147	6/26/2019	10:43:41	0.1	0.1	0.2	0.2
148	6/26/2019	10:44:41	0.1	0.1	0.2	0.1
149	6/26/2019	10:45:41	0.1	0.1	0.2	0.1
150	6/26/2019	10:46:41	0.1	0.1	0.2	0.2
151	6/26/2019	10:47:41	0.1	0.1	0.2	0.1
152	6/26/2019	10:48:41	0.1	0.1	0.2	0.1
153	6/26/2019	10:49:41	0.1	0.1	0.2	0.1
154	6/26/2019	10:50:41	0.1	0.1	0.1	0.1
155	6/26/2019	10:51:41	0.1	0.1	0.1	0.1
156	6/26/2019	10:52:41	0.1	0.1	0.2	0.2
157	6/26/2019	10:53:41	0.1	0.2	0.2	0.2
158	6/26/2019	10:54:41	0.2	0.2	0.2	0.2
159	6/26/2019	10:55:41	0.2	0.2	0.3	0.3
160	6/26/2019	10:56:41	0.2	0.2	0.3	0.2
161	6/26/2019	10:57:41	0.1	0.2	0.2	0.1
162	6/26/2019	10:58:41	0.1	0.1	0.2	0.1
163	6/26/2019	10:59:41	0.2	0.2	0.2	0.2
164	6/26/2019	11:00:41	0.2	0.2	0.2	0.2
165	6/26/2019	11:01:41	0.2	0.2	0.2	0.2
166	6/26/2019	11:02:41	0.2	0.2	0.2	0.2
167	6/26/2019	11:03:41	0.2	0.2	0.2	0.2
168	6/26/2019	11:04:41	0.2	0.2	0.2	0.2
169	6/26/2019	11:05:41	0.2	0.2	0.2	0.2
170	6/26/2019	11:06:41	0.2	0.2	0.2	0.2
171	6/26/2019	11:07:41	0.2	0.2	0.2	0.2
172	6/26/2019	11:08:41	0.2	0.2	0.2	0.2

173	6/26/2019 11:09:41	0.2	0.2	0.2	0.2
174	6/26/2019 11:10:41	0.2	0.2	0.2	0.2
175	6/26/2019 11:11:41	0.2	0.2	0.2	0.2
176	6/26/2019 11:12:41	0.2	0.2	0.2	0.2
177	6/26/2019 11:13:41	0.2	0.2	0.2	0.2
178	6/26/2019 11:14:41	0.2	0.2	0.2	0.2
179	6/26/2019 11:15:41	0.2	0.2	0.2	0.2
180	6/26/2019 11:16:41	0.2	0.2	0.2	0.2
181	6/26/2019 11:17:41	0.1	0.2	0.2	0.2
182	6/26/2019 11:18:41	0.2	0.2	0.2	0.2
183	6/26/2019 11:19:41	0.1	0.2	0.2	0.2
184	6/26/2019 11:20:41	0.2	0.2	0.2	0.2
185	6/26/2019 11:21:41	0.2	0.2	0.2	0.2
186	6/26/2019 11:22:41	0.2	0.2	0.2	0.2
187	6/26/2019 11:23:41	0.1	0.2	0.2	0.1
188	6/26/2019 11:24:41	0.1	0.2	0.2	0.2
189	6/26/2019 11:25:41	0.2	0.2	0.2	0.2
190	6/26/2019 11:26:41	0.2	0.2	0.2	0.2
191	6/26/2019 11:27:41	0.1	0.2	0.2	0.1
192	6/26/2019 11:28:41	0.1	0.2	0.3	0.1
193	6/26/2019 11:29:41	0.1	0.1	0.2	0.1
194	6/26/2019 11:30:41	0.1	0.1	0.2	0.1
195	6/26/2019 11:31:41	0.1	0.1	0.2	0.1
196	6/26/2019 11:32:41	0.1	0.1	0.2	0.1
197	6/26/2019 11:33:41	0.1	0.1	0.2	0.1
198	6/26/2019 11:34:41	0.1	0.2	0.2	0.2
199	6/26/2019 11:35:41	0.1	0.1	0.2	0.1
200	6/26/2019 11:36:41	0.1	0.2	0.2	0.2
201	6/26/2019 11:37:41	0.1	0.2	0.2	0.2
202	6/26/2019 11:38:41	0.1	0.2	0.3	0.1
203	6/26/2019 11:39:41	0.1	0.1	0.2	0.1
204	6/26/2019 11:40:41	0.1	0.1	0.1	0.1
205	6/26/2019 11:41:41	0.1	0.2	0.2	0.1
206	6/26/2019 11:42:41	0.1	0.2	0.2	0.2
207	6/26/2019 11:43:41	0.1	0.1	0.2	0.2
208	6/26/2019 11:44:41	0.1	0.1	0.2	0.1
209	6/26/2019 11:45:41	0.1	0.1	0.2	0.2
210	6/26/2019 11:46:41	0.1	0.2	0.2	0.2
211	6/26/2019 11:47:41	0.1	0.2	0.2	0.1
212	6/26/2019 11:48:41	0.1	0.1	0.2	0.1
213	6/26/2019 11:49:41	0.1	0.1	0.2	0.1
214	6/26/2019 11:50:41	0.1	0.1	0.2	0.1
215	6/26/2019 11:51:41	0.1	0.1	0.2	0.2
216	6/26/2019 11:52:41	0.1	0.2	0.2	0.1
217	6/26/2019 11:53:41	0.1	0.2	0.2	0.1
218	6/26/2019 11:54:41	0.1	0.2	0.2	0.2
219	6/26/2019 11:55:41	0.1	0.2	0.2	0.1
220	6/26/2019 11:56:41	0.1	0.2	0.2	0.2
221	6/26/2019 11:57:41	0.2	0.2	0.2	0.2
222	6/26/2019 11:58:41	0.2	0.2	0.2	0.2

223	6/26/2019 11:59:41	0.2	0.2	0.2	0.2
224	6/26/2019 12:00:41	0.2	0.2	0.2	0.2
225	6/26/2019 12:01:41	0.1	0.2	0.2	0.2
226	6/26/2019 12:02:41	0.1	0.2	0.2	0.1
227	6/26/2019 12:03:41	0.1	0.1	0.2	0.2
228	6/26/2019 12:04:41	0.1	0.1	0.2	0.2
229	6/26/2019 12:05:41	0.1	0.2	0.2	0.2
230	6/26/2019 12:06:41	0.2	0.2	0.2	0.2
231	6/26/2019 12:07:41	0.2	0.2	0.2	0.2
232	6/26/2019 12:08:41	0.2	0.2	0.2	0.2
233	6/26/2019 12:09:41	0.1	0.2	0.2	0.2
234	6/26/2019 12:10:41	0.2	0.2	0.2	0.2
235	6/26/2019 12:11:41	0.1	0.2	0.2	0.2
236	6/26/2019 12:12:41	0.2	0.2	0.2	0.2
237	6/26/2019 12:13:41	0.2	0.2	0.2	0.2
238	6/26/2019 12:14:41	0.2	0.2	0.2	0.2
239	6/26/2019 12:15:41	0.2	0.2	0.2	0.2
240	6/26/2019 12:16:41	0.2	0.2	0.2	0.2
241	6/26/2019 12:17:41	0.2	0.2	0.2	0.2
242	6/26/2019 12:18:41	0.2	0.2	0.2	0.2
243	6/26/2019 12:19:41	0.2	0.2	0.2	0.2
244	6/26/2019 12:20:41	0.2	0.2	0.2	0.2
245	6/26/2019 12:21:41	0.2	0.2	0.2	0.2
246	6/26/2019 12:22:41	0.2	0.2	0.2	0.2
247	6/26/2019 12:23:41	0.2	0.2	0.2	0.2
248	6/26/2019 12:24:41	0.2	0.2	0.2	0.2
249	6/26/2019 12:25:41	0.2	0.2	0.2	0.2
250	6/26/2019 12:26:41	0.2	0.2	0.2	0.2
251	6/26/2019 12:27:41	0.2	0.2	0.2	0.2
252	6/26/2019 12:28:41	0.2	0.2	0.2	0.2
253	6/26/2019 12:29:41	0.2	0.2	0.2	0.2
254	6/26/2019 12:30:41	0.2	0.2	0.2	0.2
255	6/26/2019 12:31:41	0.2	0.2	0.2	0.2
256	6/26/2019 12:32:41	0.2	0.2	0.2	0.2
257	6/26/2019 12:33:41	0.2	0.2	0.2	0.2
258	6/26/2019 12:34:41	0.2	0.2	0.2	0.2
259	6/26/2019 12:35:41	0.2	0.2	0.2	0.2
260	6/26/2019 12:36:41	0.2	0.2	0.2	0.2
261	6/26/2019 12:37:41	0.2	0.2	0.2	0.2
262	6/26/2019 12:38:41	0.2	0.2	0.2	0.2
263	6/26/2019 12:39:41	0.2	0.2	0.2	0.2
264	6/26/2019 12:40:41	0.2	0.2	0.2	0.2
265	6/26/2019 12:41:41	0.2	0.2	0.2	0.2
266	6/26/2019 12:42:41	0.2	0.2	0.2	0.2
267	6/26/2019 12:43:41	0.2	0.2	0.2	0.2
268	6/26/2019 12:44:41	0.2	0.2	0.2	0.2
269	6/26/2019 12:45:41	0.2	0.2	0.3	0.2
270	6/26/2019 12:46:41	0.2	0.2	0.3	0.2
271	6/26/2019 12:47:41	0.2	0.2	0.3	0.2
272	6/26/2019 12:48:41	0.2	0.2	0.2	0.2

273	6/26/2019 12:49:41	0.2	0.2	0.3	0.2
274	6/26/2019 12:50:41	0.2	0.2	0.2	0.2
275	6/26/2019 12:51:41	0.2	0.2	0.3	0.2
276	6/26/2019 12:52:41	0.2	0.2	0.3	0.2
277	6/26/2019 12:53:41	0.2	0.2	0.2	0.2
278	6/26/2019 12:54:41	0.2	0.2	0.2	0.2
279	6/26/2019 12:55:41	0.2	0.2	0.2	0.2
280	6/26/2019 12:56:41	0.2	0.2	0.2	0.2
281	6/26/2019 12:57:41	0.2	0.2	0.3	0.2
282	6/26/2019 12:58:41	0.2	0.2	0.2	0.2
283	6/26/2019 12:59:41	0.2	0.2	0.2	0.2
284	6/26/2019 13:00:41	0.2	0.2	0.3	0.2
285	6/26/2019 13:01:41	0.2	0.2	0.2	0.2
286	6/26/2019 13:02:41	0.1	0.2	0.3	0.2
287	6/26/2019 13:03:41	0.2	0.2	0.3	0.2
288	6/26/2019 13:04:41	0.2	0.2	0.2	0.2
289	6/26/2019 13:05:41	0.1	0.2	0.3	0.1
290	6/26/2019 13:06:41	0.1	0.2	0.2	0.2
291	6/26/2019 13:07:41	0.1	0.2	0.2	0.2
292	6/26/2019 13:08:41	0.2	0.2	0.3	0.2
293	6/26/2019 13:09:41	0.2	0.2	0.3	0.2
294	6/26/2019 13:10:41	0.2	0.2	0.2	0.2
295	6/26/2019 13:11:41	0.2	0.2	0.2	0.2
296	6/26/2019 13:12:41	0.2	0.2	0.3	0.2
297	6/26/2019 13:13:41	0.2	0.2	0.2	0.2
298	6/26/2019 13:14:41	0.2	0.2	0.2	0.2
299	6/26/2019 13:15:41	0.2	0.2	0.2	0.2
300	6/26/2019 13:16:41	0.2	0.2	0.2	0.2
301	6/26/2019 13:17:41	0.2	0.2	0.2	0.2
302	6/26/2019 13:18:41	0.2	0.2	0.2	0.2
303	6/26/2019 13:19:41	0.2	0.2	0.2	0.2
304	6/26/2019 13:20:41	0.2	0.2	0.2	0.2
305	6/26/2019 13:21:41	0.2	0.2	0.2	0.2
306	6/26/2019 13:22:41	0.2	0.2	0.2	0.2
307	6/26/2019 13:23:41	0.2	0.2	0.2	0.2
308	6/26/2019 13:24:41	0.2	0.2	0.2	0.2
309	6/26/2019 13:25:41	0.2	0.2	0.2	0.2
310	6/26/2019 13:26:41	0.2	0.2	0.3	0.2
311	6/26/2019 13:27:41	0.2	0.2	0.3	0.2
312	6/26/2019 13:28:41	0.1	0.2	0.2	0.2
313	6/26/2019 13:29:41	0.1	0.2	0.2	0.2
314	6/26/2019 13:30:41	0.1	0.2	0.2	0.2
315	6/26/2019 13:31:41	0.2	0.2	0.2	0.2
316	6/26/2019 13:32:41	0.2	0.2	0.3	0.2
317	6/26/2019 13:33:41	0.2	0.2	0.3	0.2
318	6/26/2019 13:34:41	0.2	0.2	0.2	0.2
319	6/26/2019 13:35:41	0.2	0.2	0.2	0.2
320	6/26/2019 13:36:41	0.2	0.2	0.2	0.2
321	6/26/2019 13:37:41	0.2	0.2	0.2	0.2
322	6/26/2019 13:38:41	0.2	0.2	0.2	0.2

323	6/26/2019 13:39:41	0.2	0.2	0.2	0.2
324	6/26/2019 13:40:41	0.2	0.2	0.2	0.2
325	6/26/2019 13:41:41	0.2	0.2	0.2	0.2
326	6/26/2019 13:42:41	0.2	0.2	0.2	0.2
327	6/26/2019 13:43:41	0.2	0.2	0.2	0.2
328	6/26/2019 13:44:41	0.2	0.2	0.2	0.2
329	6/26/2019 13:45:41	0.2	0.2	0.2	0.2
330	6/26/2019 13:46:41	0.2	0.2	0.2	0.2
331	6/26/2019 13:47:41	0.2	0.2	0.2	0.2
332	6/26/2019 13:48:41	0.2	0.2	0.2	0.2
333	6/26/2019 13:49:41	0.1	0.2	0.2	0.2
334	6/26/2019 13:50:41	0.2	0.2	0.2	0.2
335	6/26/2019 13:51:41	0.2	0.2	0.2	0.2
336	6/26/2019 13:52:41	0.2	0.2	0.2	0.2
337	6/26/2019 13:53:41	0.2	0.2	0.2	0.2
338	6/26/2019 13:54:41	0.2	0.2	0.2	0.2
339	6/26/2019 13:55:41	0.2	0.2	0.2	0.2
340	6/26/2019 13:56:41	0.2	0.2	0.2	0.2
341	6/26/2019 13:57:41	0.2	0.2	0.2	0.2
342	6/26/2019 13:58:41	0.2	0.2	0.2	0.2
343	6/26/2019 13:59:41	0.2	0.2	0.2	0.2
344	6/26/2019 14:00:41	0.2	0.2	0.2	0.2
345	6/26/2019 14:01:41	0.2	0.2	0.2	0.2
346	6/26/2019 14:02:41	0.2	0.2	0.3	0.2
347	6/26/2019 14:03:41	0.2	0.2	0.2	0.2
348	6/26/2019 14:04:41	0.2	0.2	0.2	0.2
349	6/26/2019 14:05:41	0.2	0.2	0.2	0.2
350	6/26/2019 14:06:41	0.2	0.2	0.2	0.2
351	6/26/2019 14:07:41	0.2	0.2	0.2	0.2
352	6/26/2019 14:08:41	0.2	0.2	0.2	0.2
353	6/26/2019 14:09:41	0.2	0.2	0.2	0.2
354	6/26/2019 14:10:41	0.2	0.2	0.2	0.2
355	6/26/2019 14:11:41	0.2	0.2	0.2	0.2
356	6/26/2019 14:12:41	0.2	0.2	0.2	0.2
357	6/26/2019 14:13:41	0.2	0.2	0.2	0.2
358	6/26/2019 14:14:41	0.2	0.2	0.2	0.2
359	6/26/2019 14:15:41	0.2	0.2	0.2	0.2
360	6/26/2019 14:16:41	0.2	0.2	0.2	0.2
361	6/26/2019 14:17:41	0.2	0.2	0.2	0.2
362	6/26/2019 14:18:41	0.2	0.2	0.2	0.2
363	6/26/2019 14:19:41	0.2	0.2	0.2	0.2
364	6/26/2019 14:20:41	0.2	0.2	0.2	0.2
365	6/26/2019 14:21:41	0.2	0.2	0.3	0.3
366	6/26/2019 14:22:41	0.2	0.2	0.3	0.2
367	6/26/2019 14:23:41	0.2	0.2	0.2	0.2
368	6/26/2019 14:24:41	0.2	0.2	0.2	0.2
369	6/26/2019 14:25:41	0.2	0.2	0.2	0.2
370	6/26/2019 14:26:41	0.2	0.2	0.2	0.2
371	6/26/2019 14:27:41	0.2	0.2	0.2	0.2
372	6/26/2019 14:28:41	0.2	0.2	0.2	0.2

373	6/26/2019	14:29:41	0.2	0.2	0.2	0.2
374	6/26/2019	14:30:41	0.2	0.2	0.2	0.2
375	6/26/2019	14:31:41	0.2	0.2	0.2	0.2
376	6/26/2019	14:32:41	0.2	0.2	0.2	0.2
377	6/26/2019	14:33:41	0.2	0.2	0.2	0.2
378	6/26/2019	14:34:41	0.2	0.2	0.2	0.2
379	6/26/2019	14:35:41	0.2	0.2	0.2	0.2
380	6/26/2019	14:36:41	0.2	0.2	0.2	0.2
381	6/26/2019	14:37:41	0.2	0.2	0.2	0.2
382	6/26/2019	14:38:41	0.2	0.2	0.2	0.2
383	6/26/2019	14:39:41	0.2	0.2	0.2	0.2
384	6/26/2019	14:40:41	0.2	0.2	0.2	0.2
385	6/26/2019	14:41:41	0.2	0.2	0.2	0.2
386	6/26/2019	14:42:41	0.2	0.2	0.2	0.2
387	6/26/2019	14:43:41	0.2	0.2	0.2	0.2
388	6/26/2019	14:44:41	0.2	0.2	0.2	0.2
389	6/26/2019	14:45:41	0.2	0.2	0.2	0.2
390	6/26/2019	14:46:41	0.2	0.2	0.2	0.2
391	6/26/2019	14:47:41	0.2	0.2	0.2	0.2
392	6/26/2019	14:48:41	0.2	0.2	0.2	0.2
393	6/26/2019	14:49:41	0.2	0.2	0.2	0.2
Peak			0.2	0.4	0.9	0.6
Min			0.0	0.0	0.0	0.0
Average			0.1	0.1	0.2	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/26/2019 08:17:41	0.0	---
002	6/26/2019 08:18:41	0.0	---
003	6/26/2019 08:19:41	0.0	---
004	6/26/2019 08:20:41	0.0	---
005	6/26/2019 08:21:41	0.0	---
006	6/26/2019 08:22:41	0.0	---
007	6/26/2019 08:23:41	0.0	---
008	6/26/2019 08:24:41	0.0	---
009	6/26/2019 08:25:41	0.0	---
010	6/26/2019 08:26:41	0.0	---
011	6/26/2019 08:27:41	0.0	---
012	6/26/2019 08:28:41	0.0	---
013	6/26/2019 08:29:41	0.0	---
014	6/26/2019 08:30:41	0.0	---
015	6/26/2019 08:31:41	0.0	0.0
016	6/26/2019 08:32:41	0.0	0.0
017	6/26/2019 08:33:41	0.0	0.0
018	6/26/2019 08:34:41	0.0	0.0
019	6/26/2019 08:35:41	0.0	0.0
020	6/26/2019 08:36:41	0.0	0.0
021	6/26/2019 08:37:41	0.0	0.0

022	6/26/2019 08:38:41	0.0	0.1
023	6/26/2019 08:39:41	0.0	0.1
024	6/26/2019 08:40:41	0.0	0.1
025	6/26/2019 08:41:41	0.0	0.1
026	6/26/2019 08:42:41	0.0	0.1
027	6/26/2019 08:43:41	0.0	0.1
028	6/26/2019 08:44:41	0.0	0.1
029	6/26/2019 08:45:41	0.0	0.1
030	6/26/2019 08:46:41	0.0	0.1
031	6/26/2019 08:47:41	0.0	0.1
032	6/26/2019 08:48:41	0.0	0.1
033	6/26/2019 08:49:41	0.0	0.1
034	6/26/2019 08:50:41	0.0	0.1
035	6/26/2019 08:51:41	0.0	0.1
036	6/26/2019 08:52:41	0.0	0.1
037	6/26/2019 08:53:41	0.0	0.0
038	6/26/2019 08:54:41	0.0	0.0
039	6/26/2019 08:55:41	0.0	0.0
040	6/26/2019 08:56:41	0.0	0.0
041	6/26/2019 08:57:41	0.0	0.0
042	6/26/2019 08:58:41	0.0	0.0
043	6/26/2019 08:59:41	0.0	0.0
044	6/26/2019 09:00:41	0.0	0.0
045	6/26/2019 09:01:41	0.0	0.0
046	6/26/2019 09:02:41	0.0	0.0
047	6/26/2019 09:03:41	0.0	0.0
048	6/26/2019 09:04:41	0.0	0.0
049	6/26/2019 09:05:41	0.0	0.0
050	6/26/2019 09:06:41	0.0	0.0
051	6/26/2019 09:07:41	0.0	0.0
052	6/26/2019 09:08:41	0.0	0.0
053	6/26/2019 09:09:41	0.0	0.0
054	6/26/2019 09:10:41	0.0	0.0
055	6/26/2019 09:11:41	0.0	0.0
056	6/26/2019 09:12:41	0.0	0.0
057	6/26/2019 09:13:41	0.0	0.0
058	6/26/2019 09:14:41	0.0	0.0
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061	6/26/2019 09:17:41	0.0	0.0
062	6/26/2019 09:18:41	0.0	0.0
063	6/26/2019 09:19:41	0.0	0.0
064	6/26/2019 09:20:41	0.0	0.0
065	6/26/2019 09:21:41	0.0	0.0
066	6/26/2019 09:22:41	0.0	0.0
067	6/26/2019 09:23:41	0.0	0.0
068	6/26/2019 09:24:41	0.0	0.0
069	6/26/2019 09:25:41	0.0	0.0
070	6/26/2019 09:26:41	0.0	0.0
071	6/26/2019 09:27:41	0.0	0.0

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074	6/26/2019 09:30:41	0.0	0.0
075	6/26/2019 09:31:41	0.0	0.0
076	6/26/2019 09:32:41	0.0	0.0
077	6/26/2019 09:33:41	0.0	0.0
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079	6/26/2019 09:35:41	0.0	0.1
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083	6/26/2019 09:39:41	0.0	0.1
084	6/26/2019 09:40:41	0.0	0.1
085	6/26/2019 09:41:41	0.0	0.1
086	6/26/2019 09:42:41	0.0	0.1
087	6/26/2019 09:43:41	0.0	0.1
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089	6/26/2019 09:45:41	0.0	0.1
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111	6/26/2019 10:07:41	0.0	0.1
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117	6/26/2019 10:13:41	0.0	0.1
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143	6/26/2019 10:39:41	0.0	0.1
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187	6/26/2019 11:23:41	0.0	0.2
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293	6/26/2019 13:09:41	0.1	0.2
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390	6/26/2019 14:46:41	0.1	0.2
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19/06/27 08:42

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Summary

Unit Name MiniRAE 3000 +(PGM-7320)

Unit SN 592-927314

Unit Firmware Ver V2.20

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID RAE00000

User ID USER0000

Begin 6/27/2019 08:42:03

End 6/27/2019 13:29:22

Sample Period(s) 60

Number of Records 287

Sensor PID(ppm)

Sensor SN S023030197W2

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 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 6/27/2019 07:37
Peak 0.1
Min 0.0
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	(Max)	PID(ppm) (Real)	PID(ppm)
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002	6/27/2019 08:44:03	0.0	0.0	0.0	0.0	
003	6/27/2019 08:45:03	0.0	0.0	0.0	0.0	
004	6/27/2019 08:46:03	0.0	0.0	0.0	0.0	
005	6/27/2019 08:47:03	0.0	0.0	0.0	0.0	
006	6/27/2019 08:48:03	0.0	0.0	0.0	0.0	
007	6/27/2019 08:49:03	0.0	0.0	0.0	0.0	
008	6/27/2019 08:50:03	0.0	0.0	0.0	0.0	
009	6/27/2019 08:51:03	0.0	0.0	0.0	0.0	
010	6/27/2019 08:52:03	0.0	0.0	0.0	0.0	
011	6/27/2019 08:53:03	0.0	0.0	0.0	0.0	
012	6/27/2019 08:54:03	0.0	0.0	0.0	0.0	
013	6/27/2019 08:55:03	0.0	0.0	0.0	0.0	
014	6/27/2019 08:56:03	0.0	0.0	0.0	0.0	
015	6/27/2019 08:57:03	0.0	0.0	0.0	0.0	
016	6/27/2019 08:58:03	0.0	0.0	0.0	0.0	
017	6/27/2019 08:59:03	0.0	0.0	0.0	0.0	
018	6/27/2019 09:00:03	0.0	0.0	0.0	0.0	
019	6/27/2019 09:01:03	0.0	0.0	0.0	0.0	
020	6/27/2019 09:02:03	0.0	0.0	0.0	0.0	
021	6/27/2019 09:03:03	0.0	0.0	0.0	0.0	
022	6/27/2019 09:04:03	0.0	0.0	0.0	0.0	
023	6/27/2019 09:05:03	0.0	0.0	0.0	0.0	
024	6/27/2019 09:06:03	0.0	0.0	0.0	0.0	
025	6/27/2019 09:07:03	0.0	0.0	0.0	0.0	
026	6/27/2019 09:08:03	0.0	0.0	0.0	0.0	
027	6/27/2019 09:09:03	0.0	0.0	0.0	0.0	
028	6/27/2019 09:10:03	0.0	0.0	0.0	0.0	
029	6/27/2019 09:11:03	0.0	0.0	0.0	0.0	
030	6/27/2019 09:12:03	0.0	0.0	0.0	0.0	
031	6/27/2019 09:13:03	0.0	0.0	0.0	0.0	
032	6/27/2019 09:14:03	0.0	0.0	0.0	0.0	
033	6/27/2019 09:15:03	0.0	0.0	0.0	0.0	
034	6/27/2019 09:16:03	0.0	0.0	0.0	0.0	
035	6/27/2019 09:17:03	0.0	0.0	0.0	0.0	
036	6/27/2019 09:18:03	0.0	0.0	0.0	0.0	

037	6/27/2019	09:19:03	0.0	0.0	0.0	0.0
038	6/27/2019	09:20:03	0.0	0.0	0.0	0.0
039	6/27/2019	09:21:03	0.0	0.0	0.0	0.0
040	6/27/2019	09:22:03	0.0	0.0	0.0	0.0
041	6/27/2019	09:23:03	0.0	0.0	0.0	0.0
042	6/27/2019	09:24:03	0.0	0.0	0.0	0.0
043	6/27/2019	09:25:03	0.0	0.0	0.0	0.0
044	6/27/2019	09:26:03	0.0	0.0	0.0	0.0
045	6/27/2019	09:27:03	0.0	0.0	0.0	0.0
046	6/27/2019	09:28:03	0.0	0.0	0.0	0.0
047	6/27/2019	09:29:03	0.0	0.0	0.0	0.0
048	6/27/2019	09:30:03	0.0	0.0	0.0	0.0
049	6/27/2019	09:31:03	0.0	0.0	0.0	0.0
050	6/27/2019	09:32:03	0.0	0.0	0.0	0.0
051	6/27/2019	09:33:03	0.0	0.0	0.0	0.0
052	6/27/2019	09:34:03	0.0	0.0	0.0	0.0
053	6/27/2019	09:35:03	0.0	0.0	0.0	0.0
054	6/27/2019	09:36:03	0.0	0.0	0.0	0.0
055	6/27/2019	09:37:03	0.0	0.0	0.0	0.0
056	6/27/2019	09:38:03	0.0	0.0	0.0	0.0
057	6/27/2019	09:39:03	0.0	0.0	0.0	0.0
058	6/27/2019	09:40:03	0.0	0.0	0.0	0.0
059	6/27/2019	09:41:03	0.0	0.0	0.0	0.0
060	6/27/2019	09:42:03	0.0	0.0	0.0	0.0
061	6/27/2019	09:43:03	0.0	0.0	0.0	0.0
062	6/27/2019	09:44:03	0.0	0.0	0.0	0.0
063	6/27/2019	09:45:03	0.0	0.0	0.0	0.0
064	6/27/2019	09:46:03	0.0	0.0	0.0	0.0
065	6/27/2019	09:47:03	0.0	0.0	0.0	0.0
066	6/27/2019	09:48:03	0.0	0.0	0.0	0.0
067	6/27/2019	09:49:03	0.0	0.0	0.0	0.0
068	6/27/2019	09:50:03	0.0	0.0	0.0	0.0
069	6/27/2019	09:51:03	0.0	0.0	0.0	0.0
070	6/27/2019	09:52:03	0.0	0.0	0.0	0.0
071	6/27/2019	09:53:03	0.0	0.0	0.0	0.0
072	6/27/2019	09:54:03	0.0	0.0	0.0	0.0
073	6/27/2019	09:55:03	0.0	0.0	0.0	0.0
074	6/27/2019	09:56:03	0.0	0.0	0.0	0.0
075	6/27/2019	09:57:03	0.0	0.0	0.0	0.0
076	6/27/2019	09:58:03	0.0	0.0	0.0	0.0
077	6/27/2019	09:59:03	0.0	0.0	0.0	0.0
078	6/27/2019	10:00:03	0.0	0.0	0.0	0.0
079	6/27/2019	10:01:03	0.0	0.0	0.0	0.0
080	6/27/2019	10:02:03	0.0	0.0	0.0	0.0
081	6/27/2019	10:03:03	0.0	0.0	0.0	0.0
082	6/27/2019	10:04:03	0.0	0.0	0.0	0.0
083	6/27/2019	10:05:03	0.0	0.0	0.0	0.0
084	6/27/2019	10:06:03	0.0	0.0	0.0	0.0
085	6/27/2019	10:07:03	0.0	0.0	0.0	0.0
086	6/27/2019	10:08:03	0.0	0.0	0.0	0.0

087	6/27/2019	10:09:03	0.0	0.0	0.0	0.0
088	6/27/2019	10:10:03	0.0	0.0	0.0	0.0
089	6/27/2019	10:11:03	0.0	0.0	0.0	0.0
090	6/27/2019	10:12:03	0.0	0.0	0.0	0.0
091	6/27/2019	10:13:03	0.0	0.0	0.0	0.0
092	6/27/2019	10:14:03	0.0	0.0	0.0	0.0
093	6/27/2019	10:15:03	0.0	0.0	0.0	0.0
094	6/27/2019	10:16:03	0.0	0.0	0.0	0.0
095	6/27/2019	10:17:03	0.0	0.0	0.0	0.0
096	6/27/2019	10:18:03	0.0	0.0	0.0	0.0
097	6/27/2019	10:19:03	0.0	0.0	0.0	0.0
098	6/27/2019	10:20:03	0.0	0.0	0.0	0.0
099	6/27/2019	10:21:03	0.0	0.0	0.0	0.0
100	6/27/2019	10:22:03	0.0	0.0	0.0	0.0
101	6/27/2019	10:23:03	0.0	0.0	0.0	0.0
102	6/27/2019	10:24:03	0.0	0.0	0.0	0.0
103	6/27/2019	10:25:03	0.0	0.0	0.0	0.0
104	6/27/2019	10:26:03	0.0	0.0	0.0	0.0
105	6/27/2019	10:27:03	0.0	0.0	0.0	0.0
106	6/27/2019	10:28:03	0.0	0.0	0.0	0.0
107	6/27/2019	10:29:03	0.0	0.0	0.0	0.0
108	6/27/2019	10:30:03	0.0	0.0	0.0	0.0
109	6/27/2019	10:31:03	0.0	0.0	0.0	0.0
110	6/27/2019	10:32:03	0.0	0.0	0.0	0.0
111	6/27/2019	10:33:03	0.0	0.0	0.0	0.0
112	6/27/2019	10:34:03	0.0	0.0	0.0	0.0
113	6/27/2019	10:35:03	0.0	0.0	0.0	0.0
114	6/27/2019	10:36:03	0.0	0.0	0.0	0.0
115	6/27/2019	10:37:03	0.0	0.0	0.0	0.0
116	6/27/2019	10:38:03	0.0	0.0	0.0	0.0
117	6/27/2019	10:39:03	0.0	0.0	0.0	0.0
118	6/27/2019	10:40:03	0.0	0.0	0.0	0.0
119	6/27/2019	10:41:03	0.0	0.0	0.0	0.0
120	6/27/2019	10:42:03	0.0	0.0	0.0	0.0
121	6/27/2019	10:43:03	0.0	0.0	0.0	0.0
122	6/27/2019	10:44:03	0.0	0.0	0.0	0.0
123	6/27/2019	10:45:03	0.0	0.0	0.0	0.0
124	6/27/2019	10:46:03	0.0	0.0	0.0	0.0
125	6/27/2019	10:47:03	0.0	0.0	0.0	0.0
126	6/27/2019	10:48:03	0.0	0.0	0.0	0.0
127	6/27/2019	10:49:03	0.0	0.0	0.0	0.0
128	6/27/2019	10:50:03	0.0	0.0	0.0	0.0
129	6/27/2019	10:51:03	0.0	0.0	0.0	0.0
130	6/27/2019	10:52:03	0.0	0.0	0.0	0.0
131	6/27/2019	10:53:03	0.0	0.0	0.0	0.0
132	6/27/2019	10:54:03	0.0	0.0	0.0	0.0
133	6/27/2019	10:55:03	0.0	0.0	0.0	0.0
134	6/27/2019	10:56:03	0.0	0.0	0.0	0.0
135	6/27/2019	10:57:03	0.0	0.0	0.0	0.0
136	6/27/2019	10:58:03	0.0	0.0	0.0	0.0

137	6/27/2019	10:59:03	0.0	0.0	0.0	0.0
138	6/27/2019	11:00:03	0.0	0.0	0.0	0.0
139	6/27/2019	11:01:03	0.0	0.0	0.0	0.0
140	6/27/2019	11:02:03	0.0	0.0	0.0	0.0
141	6/27/2019	11:03:03	0.0	0.0	0.0	0.0
142	6/27/2019	11:04:03	0.0	0.0	0.0	0.0
143	6/27/2019	11:05:03	0.0	0.0	0.0	0.0
144	6/27/2019	11:06:03	0.0	0.0	0.0	0.0
145	6/27/2019	11:07:03	0.0	0.0	0.0	0.0
146	6/27/2019	11:08:03	0.0	0.0	0.1	0.0
147	6/27/2019	11:09:03	0.0	0.0	0.0	0.0
148	6/27/2019	11:10:03	0.0	0.0	0.0	0.0
149	6/27/2019	11:11:03	0.0	0.0	0.0	0.0
150	6/27/2019	11:12:03	0.0	0.0	0.0	0.0
151	6/27/2019	11:13:03	0.0	0.0	0.0	0.0
152	6/27/2019	11:14:03	0.0	0.0	0.0	0.0
153	6/27/2019	11:15:03	0.0	0.0	0.0	0.0
154	6/27/2019	11:16:03	0.0	0.0	0.0	0.0
155	6/27/2019	11:17:03	0.0	0.0	0.0	0.0
156	6/27/2019	11:18:03	0.0	0.0	0.0	0.0
157	6/27/2019	11:19:03	0.0	0.0	0.0	0.0
158	6/27/2019	11:20:03	0.0	0.0	0.0	0.0
159	6/27/2019	11:21:03	0.0	0.0	0.0	0.0
160	6/27/2019	11:22:03	0.0	0.0	0.0	0.0
161	6/27/2019	11:23:03	0.0	0.0	0.0	0.0
162	6/27/2019	11:24:03	0.0	0.0	0.0	0.0
163	6/27/2019	11:25:03	0.0	0.0	0.0	0.0
164	6/27/2019	11:26:03	0.0	0.0	0.0	0.0
165	6/27/2019	11:27:03	0.0	0.0	0.0	0.0
166	6/27/2019	11:28:03	0.0	0.0	0.0	0.0
167	6/27/2019	11:29:03	0.0	0.0	0.0	0.0
168	6/27/2019	11:30:03	0.0	0.0	0.0	0.0
169	6/27/2019	11:31:03	0.0	0.0	0.0	0.0
170	6/27/2019	11:32:03	0.0	0.0	0.0	0.0
171	6/27/2019	11:33:03	0.0	0.0	0.0	0.0
172	6/27/2019	11:34:03	0.0	0.0	0.0	0.0
173	6/27/2019	11:35:03	0.0	0.0	0.0	0.0
174	6/27/2019	11:36:03	0.0	0.0	0.0	0.0
175	6/27/2019	11:37:03	0.0	0.0	0.1	0.1
176	6/27/2019	11:38:03	0.0	0.0	0.1	0.0
177	6/27/2019	11:39:03	0.0	0.0	0.0	0.0
178	6/27/2019	11:40:03	0.0	0.0	0.0	0.0
179	6/27/2019	11:41:03	0.0	0.0	0.0	0.0
180	6/27/2019	11:42:03	0.0	0.0	0.0	0.0
181	6/27/2019	11:43:03	0.0	0.0	0.0	0.0
182	6/27/2019	11:44:03	0.0	0.0	0.0	0.0
183	6/27/2019	11:45:03	0.0	0.0	0.0	0.0
184	6/27/2019	11:46:03	0.0	0.0	0.0	0.0
185	6/27/2019	11:47:03	0.0	0.0	0.0	0.0
186	6/27/2019	11:48:03	0.0	0.0	0.0	0.0

187	6/27/2019	11:49:03	0.0	0.0	0.0	0.0
188	6/27/2019	11:50:03	0.0	0.0	0.0	0.0
189	6/27/2019	11:51:03	0.0	0.0	0.0	0.0
190	6/27/2019	11:52:03	0.0	0.0	0.0	0.0
191	6/27/2019	11:53:03	0.0	0.0	0.0	0.0
192	6/27/2019	11:54:03	0.0	0.0	0.0	0.0
193	6/27/2019	11:55:03	0.0	0.0	0.0	0.0
194	6/27/2019	11:56:03	0.0	0.0	0.0	0.0
195	6/27/2019	11:57:03	0.0	0.0	0.0	0.0
196	6/27/2019	11:58:03	0.0	0.0	0.0	0.0
197	6/27/2019	11:59:03	0.0	0.0	0.0	0.0
198	6/27/2019	12:00:03	0.0	0.0	0.0	0.0
199	6/27/2019	12:01:03	0.0	0.0	0.0	0.0
200	6/27/2019	12:02:03	0.0	0.0	0.0	0.0
201	6/27/2019	12:03:03	0.0	0.0	0.0	0.0
202	6/27/2019	12:04:03	0.0	0.0	0.0	0.0
203	6/27/2019	12:05:03	0.0	0.0	0.0	0.0
204	6/27/2019	12:06:03	0.0	0.0	0.0	0.0
205	6/27/2019	12:07:03	0.0	0.0	0.0	0.0
206	6/27/2019	12:08:03	0.0	0.0	0.0	0.0
207	6/27/2019	12:09:03	0.0	0.0	0.0	0.0
208	6/27/2019	12:10:03	0.0	0.0	0.0	0.0
209	6/27/2019	12:11:03	0.0	0.0	0.1	0.0
210	6/27/2019	12:12:03	0.0	0.1	0.1	0.0
211	6/27/2019	12:13:03	0.0	0.1	0.1	0.1
212	6/27/2019	12:14:03	0.0	0.0	0.1	0.1
213	6/27/2019	12:15:03	0.0	0.0	0.1	0.0
214	6/27/2019	12:16:03	0.0	0.0	0.1	0.0
215	6/27/2019	12:17:03	0.0	0.0	0.1	0.1
216	6/27/2019	12:18:03	0.0	0.0	0.1	0.0
217	6/27/2019	12:19:03	0.0	0.0	0.0	0.0
218	6/27/2019	12:20:03	0.0	0.0	0.0	0.0
219	6/27/2019	12:21:03	0.0	0.0	0.0	0.0
220	6/27/2019	12:22:03	0.0	0.0	0.0	0.0
221	6/27/2019	12:23:03	0.0	0.0	0.0	0.0
222	6/27/2019	12:24:03	0.0	0.0	0.1	0.0
223	6/27/2019	12:25:03	0.0	0.0	0.0	0.0
224	6/27/2019	12:26:03	0.0	0.0	0.0	0.0
225	6/27/2019	12:27:03	0.0	0.0	0.1	0.0
226	6/27/2019	12:28:03	0.0	0.0	0.1	0.0
227	6/27/2019	12:29:03	0.0	0.0	0.0	0.0
228	6/27/2019	12:30:03	0.0	0.0	0.0	0.0
229	6/27/2019	12:31:03	0.0	0.0	0.0	0.0
230	6/27/2019	12:32:03	0.0	0.0	0.0	0.0
231	6/27/2019	12:33:03	0.0	0.0	0.0	0.0
232	6/27/2019	12:34:03	0.0	0.0	0.0	0.0
233	6/27/2019	12:35:03	0.0	0.0	0.0	0.0
234	6/27/2019	12:36:03	0.0	0.0	0.0	0.0
235	6/27/2019	12:37:03	0.0	0.0	0.0	0.0
236	6/27/2019	12:38:03	0.0	0.0	0.0	0.0

237	6/27/2019 12:39:03	0.0	0.0	0.0	0.0
238	6/27/2019 12:40:03	0.0	0.0	0.0	0.0
239	6/27/2019 12:41:03	0.0	0.0	0.0	0.0
240	6/27/2019 12:42:03	0.0	0.0	0.0	0.0
241	6/27/2019 12:43:03	0.0	0.0	0.0	0.0
242	6/27/2019 12:44:03	0.0	0.0	0.0	0.0
243	6/27/2019 12:45:03	0.0	0.0	0.0	0.0
244	6/27/2019 12:46:03	0.0	0.0	0.0	0.0
245	6/27/2019 12:47:03	0.0	0.0	0.0	0.0
246	6/27/2019 12:48:03	0.0	0.0	0.0	0.0
247	6/27/2019 12:49:03	0.0	0.0	0.0	0.0
248	6/27/2019 12:50:03	0.0	0.0	0.0	0.0
249	6/27/2019 12:51:03	0.0	0.0	0.0	0.0
250	6/27/2019 12:52:03	0.0	0.0	0.0	0.0
251	6/27/2019 12:53:03	0.0	0.0	0.1	0.0
252	6/27/2019 12:54:03	0.0	0.0	0.0	0.0
253	6/27/2019 12:55:03	0.0	0.0	0.0	0.0
254	6/27/2019 12:56:03	0.0	0.0	0.0	0.0
255	6/27/2019 12:57:03	0.0	0.0	0.0	0.0
256	6/27/2019 12:58:03	0.0	0.0	0.0	0.0
257	6/27/2019 12:59:03	0.0	0.0	0.0	0.0
258	6/27/2019 13:00:03	0.0	0.0	0.0	0.0
259	6/27/2019 13:01:03	0.0	0.0	0.0	0.0
260	6/27/2019 13:02:03	0.0	0.0	0.0	0.0
261	6/27/2019 13:03:03	0.0	0.0	0.0	0.0
262	6/27/2019 13:04:03	0.0	0.0	0.0	0.0
263	6/27/2019 13:05:03	0.0	0.0	0.0	0.0
264	6/27/2019 13:06:03	0.0	0.0	0.0	0.0
265	6/27/2019 13:07:03	0.0	0.0	0.0	0.0
266	6/27/2019 13:08:03	0.0	0.0	0.0	0.0
267	6/27/2019 13:09:03	0.0	0.0	0.0	0.0
268	6/27/2019 13:10:03	0.0	0.0	0.0	0.0
269	6/27/2019 13:11:03	0.0	0.0	0.0	0.0
270	6/27/2019 13:12:03	0.0	0.0	0.0	0.0
271	6/27/2019 13:13:03	0.0	0.0	0.0	0.0
272	6/27/2019 13:14:03	0.0	0.0	0.0	0.0
273	6/27/2019 13:15:03	0.0	0.0	0.0	0.0
274	6/27/2019 13:16:03	0.0	0.0	0.0	0.0
275	6/27/2019 13:17:03	0.0	0.0	0.0	0.0
276	6/27/2019 13:18:03	0.0	0.0	0.0	0.0
277	6/27/2019 13:19:03	0.0	0.0	0.0	0.0
278	6/27/2019 13:20:03	0.0	0.0	0.0	0.0
279	6/27/2019 13:21:03	0.0	0.0	0.0	0.0
280	6/27/2019 13:22:03	0.0	0.0	0.0	0.0
281	6/27/2019 13:23:03	0.0	0.0	0.0	0.0
282	6/27/2019 13:24:03	0.0	0.0	0.0	0.0
283	6/27/2019 13:25:03	0.0	0.0	0.0	0.0
284	6/27/2019 13:26:03	0.0	0.0	0.0	0.0
285	6/27/2019 13:27:03	0.0	0.0	0.0	0.0
286	6/27/2019 13:28:03	0.0	0.0	0.0	0.0

287	6/27/2019 13:29:03	0.0	0.0	0.0	0.0
Peak		0.0	0.1	0.1	0.1
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	6/27/2019 08:43:03	0.0	---
002	6/27/2019 08:44:03	0.0	---
003	6/27/2019 08:45:03	0.0	---
004	6/27/2019 08:46:03	0.0	---
005	6/27/2019 08:47:03	0.0	---
006	6/27/2019 08:48:03	0.0	---
007	6/27/2019 08:49:03	0.0	---
008	6/27/2019 08:50:03	0.0	---
009	6/27/2019 08:51:03	0.0	---
010	6/27/2019 08:52:03	0.0	---
011	6/27/2019 08:53:03	0.0	---
012	6/27/2019 08:54:03	0.0	---
013	6/27/2019 08:55:03	0.0	---
014	6/27/2019 08:56:03	0.0	---
015	6/27/2019 08:57:03	0.0	0.0
016	6/27/2019 08:58:03	0.0	0.0
017	6/27/2019 08:59:03	0.0	0.0
018	6/27/2019 09:00:03	0.0	0.0
019	6/27/2019 09:01:03	0.0	0.0
020	6/27/2019 09:02:03	0.0	0.0
021	6/27/2019 09:03:03	0.0	0.0
022	6/27/2019 09:04:03	0.0	0.0
023	6/27/2019 09:05:03	0.0	0.0
024	6/27/2019 09:06:03	0.0	0.0
025	6/27/2019 09:07:03	0.0	0.0
026	6/27/2019 09:08:03	0.0	0.0
027	6/27/2019 09:09:03	0.0	0.0
028	6/27/2019 09:10:03	0.0	0.0
029	6/27/2019 09:11:03	0.0	0.0
030	6/27/2019 09:12:03	0.0	0.0
031	6/27/2019 09:13:03	0.0	0.0
032	6/27/2019 09:14:03	0.0	0.0
033	6/27/2019 09:15:03	0.0	0.0
034	6/27/2019 09:16:03	0.0	0.0
035	6/27/2019 09:17:03	0.0	0.0
036	6/27/2019 09:18:03	0.0	0.0
037	6/27/2019 09:19:03	0.0	0.0
038	6/27/2019 09:20:03	0.0	0.0
039	6/27/2019 09:21:03	0.0	0.0
040	6/27/2019 09:22:03	0.0	0.0
041	6/27/2019 09:23:03	0.0	0.0

042	6/27/2019 09:24:03	0.0	0.0
043	6/27/2019 09:25:03	0.0	0.0
044	6/27/2019 09:26:03	0.0	0.0
045	6/27/2019 09:27:03	0.0	0.0
046	6/27/2019 09:28:03	0.0	0.0
047	6/27/2019 09:29:03	0.0	0.0
048	6/27/2019 09:30:03	0.0	0.0
049	6/27/2019 09:31:03	0.0	0.0
050	6/27/2019 09:32:03	0.0	0.0
051	6/27/2019 09:33:03	0.0	0.0
052	6/27/2019 09:34:03	0.0	0.0
053	6/27/2019 09:35:03	0.0	0.0
054	6/27/2019 09:36:03	0.0	0.0
055	6/27/2019 09:37:03	0.0	0.0
056	6/27/2019 09:38:03	0.0	0.0
057	6/27/2019 09:39:03	0.0	0.0
058	6/27/2019 09:40:03	0.0	0.0
059	6/27/2019 09:41:03	0.0	0.0
060	6/27/2019 09:42:03	0.0	0.0
061	6/27/2019 09:43:03	0.0	0.0
062	6/27/2019 09:44:03	0.0	0.0
063	6/27/2019 09:45:03	0.0	0.0
064	6/27/2019 09:46:03	0.0	0.0
065	6/27/2019 09:47:03	0.0	0.0
066	6/27/2019 09:48:03	0.0	0.0
067	6/27/2019 09:49:03	0.0	0.0
068	6/27/2019 09:50:03	0.0	0.0
069	6/27/2019 09:51:03	0.0	0.0
070	6/27/2019 09:52:03	0.0	0.0
071	6/27/2019 09:53:03	0.0	0.0
072	6/27/2019 09:54:03	0.0	0.0
073	6/27/2019 09:55:03	0.0	0.0
074	6/27/2019 09:56:03	0.0	0.0
075	6/27/2019 09:57:03	0.0	0.0
076	6/27/2019 09:58:03	0.0	0.0
077	6/27/2019 09:59:03	0.0	0.0
078	6/27/2019 10:00:03	0.0	0.0
079	6/27/2019 10:01:03	0.0	0.0
080	6/27/2019 10:02:03	0.0	0.0
081	6/27/2019 10:03:03	0.0	0.0
082	6/27/2019 10:04:03	0.0	0.0
083	6/27/2019 10:05:03	0.0	0.0
084	6/27/2019 10:06:03	0.0	0.0
085	6/27/2019 10:07:03	0.0	0.0
086	6/27/2019 10:08:03	0.0	0.0
087	6/27/2019 10:09:03	0.0	0.0
088	6/27/2019 10:10:03	0.0	0.0
089	6/27/2019 10:11:03	0.0	0.0
090	6/27/2019 10:12:03	0.0	0.0
091	6/27/2019 10:13:03	0.0	0.0

092	6/27/2019 10:14:03	0.0	0.0
093	6/27/2019 10:15:03	0.0	0.0
094	6/27/2019 10:16:03	0.0	0.0
095	6/27/2019 10:17:03	0.0	0.0
096	6/27/2019 10:18:03	0.0	0.0
097	6/27/2019 10:19:03	0.0	0.0
098	6/27/2019 10:20:03	0.0	0.0
099	6/27/2019 10:21:03	0.0	0.0
100	6/27/2019 10:22:03	0.0	0.0
101	6/27/2019 10:23:03	0.0	0.0
102	6/27/2019 10:24:03	0.0	0.0
103	6/27/2019 10:25:03	0.0	0.0
104	6/27/2019 10:26:03	0.0	0.0
105	6/27/2019 10:27:03	0.0	0.0
106	6/27/2019 10:28:03	0.0	0.0
107	6/27/2019 10:29:03	0.0	0.0
108	6/27/2019 10:30:03	0.0	0.0
109	6/27/2019 10:31:03	0.0	0.0
110	6/27/2019 10:32:03	0.0	0.0
111	6/27/2019 10:33:03	0.0	0.0
112	6/27/2019 10:34:03	0.0	0.0
113	6/27/2019 10:35:03	0.0	0.0
114	6/27/2019 10:36:03	0.0	0.0
115	6/27/2019 10:37:03	0.0	0.0
116	6/27/2019 10:38:03	0.0	0.0
117	6/27/2019 10:39:03	0.0	0.0
118	6/27/2019 10:40:03	0.0	0.0
119	6/27/2019 10:41:03	0.0	0.0
120	6/27/2019 10:42:03	0.0	0.0
121	6/27/2019 10:43:03	0.0	0.0
122	6/27/2019 10:44:03	0.0	0.0
123	6/27/2019 10:45:03	0.0	0.0
124	6/27/2019 10:46:03	0.0	0.0
125	6/27/2019 10:47:03	0.0	0.0
126	6/27/2019 10:48:03	0.0	0.0
127	6/27/2019 10:49:03	0.0	0.0
128	6/27/2019 10:50:03	0.0	0.0
129	6/27/2019 10:51:03	0.0	0.0
130	6/27/2019 10:52:03	0.0	0.0
131	6/27/2019 10:53:03	0.0	0.0
132	6/27/2019 10:54:03	0.0	0.0
133	6/27/2019 10:55:03	0.0	0.0
134	6/27/2019 10:56:03	0.0	0.0
135	6/27/2019 10:57:03	0.0	0.0
136	6/27/2019 10:58:03	0.0	0.0
137	6/27/2019 10:59:03	0.0	0.0
138	6/27/2019 11:00:03	0.0	0.0
139	6/27/2019 11:01:03	0.0	0.0
140	6/27/2019 11:02:03	0.0	0.0
141	6/27/2019 11:03:03	0.0	0.0

142	6/27/2019 11:04:03	0.0	0.0
143	6/27/2019 11:05:03	0.0	0.0
144	6/27/2019 11:06:03	0.0	0.0
145	6/27/2019 11:07:03	0.0	0.0
146	6/27/2019 11:08:03	0.0	0.0
147	6/27/2019 11:09:03	0.0	0.0
148	6/27/2019 11:10:03	0.0	0.0
149	6/27/2019 11:11:03	0.0	0.0
150	6/27/2019 11:12:03	0.0	0.0
151	6/27/2019 11:13:03	0.0	0.0
152	6/27/2019 11:14:03	0.0	0.0
153	6/27/2019 11:15:03	0.0	0.0
154	6/27/2019 11:16:03	0.0	0.0
155	6/27/2019 11:17:03	0.0	0.0
156	6/27/2019 11:18:03	0.0	0.0
157	6/27/2019 11:19:03	0.0	0.0
158	6/27/2019 11:20:03	0.0	0.0
159	6/27/2019 11:21:03	0.0	0.0
160	6/27/2019 11:22:03	0.0	0.0
161	6/27/2019 11:23:03	0.0	0.0
162	6/27/2019 11:24:03	0.0	0.0
163	6/27/2019 11:25:03	0.0	0.0
164	6/27/2019 11:26:03	0.0	0.0
165	6/27/2019 11:27:03	0.0	0.0
166	6/27/2019 11:28:03	0.0	0.0
167	6/27/2019 11:29:03	0.0	0.0
168	6/27/2019 11:30:03	0.0	0.0
169	6/27/2019 11:31:03	0.0	0.0
170	6/27/2019 11:32:03	0.0	0.0
171	6/27/2019 11:33:03	0.0	0.0
172	6/27/2019 11:34:03	0.0	0.0
173	6/27/2019 11:35:03	0.0	0.0
174	6/27/2019 11:36:03	0.0	0.0
175	6/27/2019 11:37:03	0.0	0.0
176	6/27/2019 11:38:03	0.0	0.0
177	6/27/2019 11:39:03	0.0	0.0
178	6/27/2019 11:40:03	0.0	0.0
179	6/27/2019 11:41:03	0.0	0.0
180	6/27/2019 11:42:03	0.0	0.0
181	6/27/2019 11:43:03	0.0	0.0
182	6/27/2019 11:44:03	0.0	0.0
183	6/27/2019 11:45:03	0.0	0.0
184	6/27/2019 11:46:03	0.0	0.0
185	6/27/2019 11:47:03	0.0	0.0
186	6/27/2019 11:48:03	0.0	0.0
187	6/27/2019 11:49:03	0.0	0.0
188	6/27/2019 11:50:03	0.0	0.0
189	6/27/2019 11:51:03	0.0	0.0
190	6/27/2019 11:52:03	0.0	0.0
191	6/27/2019 11:53:03	0.0	0.0

192	6/27/2019 11:54:03	0.0	0.0
193	6/27/2019 11:55:03	0.0	0.0
194	6/27/2019 11:56:03	0.0	0.0
195	6/27/2019 11:57:03	0.0	0.0
196	6/27/2019 11:58:03	0.0	0.0
197	6/27/2019 11:59:03	0.0	0.0
198	6/27/2019 12:00:03	0.0	0.0
199	6/27/2019 12:01:03	0.0	0.0
200	6/27/2019 12:02:03	0.0	0.0
201	6/27/2019 12:03:03	0.0	0.0
202	6/27/2019 12:04:03	0.0	0.0
203	6/27/2019 12:05:03	0.0	0.0
204	6/27/2019 12:06:03	0.0	0.0
205	6/27/2019 12:07:03	0.0	0.0
206	6/27/2019 12:08:03	0.0	0.0
207	6/27/2019 12:09:03	0.0	0.0
208	6/27/2019 12:10:03	0.0	0.0
209	6/27/2019 12:11:03	0.0	0.0
210	6/27/2019 12:12:03	0.0	0.0
211	6/27/2019 12:13:03	0.0	0.0
212	6/27/2019 12:14:03	0.0	0.0
213	6/27/2019 12:15:03	0.0	0.0
214	6/27/2019 12:16:03	0.0	0.0
215	6/27/2019 12:17:03	0.0	0.0
216	6/27/2019 12:18:03	0.0	0.0
217	6/27/2019 12:19:03	0.0	0.0
218	6/27/2019 12:20:03	0.0	0.0
219	6/27/2019 12:21:03	0.0	0.0
220	6/27/2019 12:22:03	0.0	0.0
221	6/27/2019 12:23:03	0.0	0.0
222	6/27/2019 12:24:03	0.0	0.0
223	6/27/2019 12:25:03	0.0	0.0
224	6/27/2019 12:26:03	0.0	0.0
225	6/27/2019 12:27:03	0.0	0.0
226	6/27/2019 12:28:03	0.0	0.0
227	6/27/2019 12:29:03	0.0	0.0
228	6/27/2019 12:30:03	0.0	0.0
229	6/27/2019 12:31:03	0.0	0.0
230	6/27/2019 12:32:03	0.0	0.0
231	6/27/2019 12:33:03	0.0	0.0
232	6/27/2019 12:34:03	0.0	0.0
233	6/27/2019 12:35:03	0.0	0.0
234	6/27/2019 12:36:03	0.0	0.0
235	6/27/2019 12:37:03	0.0	0.0
236	6/27/2019 12:38:03	0.0	0.0
237	6/27/2019 12:39:03	0.0	0.0
238	6/27/2019 12:40:03	0.0	0.0
239	6/27/2019 12:41:03	0.0	0.0
240	6/27/2019 12:42:03	0.0	0.0
241	6/27/2019 12:43:03	0.0	0.0

242	6/27/2019 12:44:03	0.0	0.0
243	6/27/2019 12:45:03	0.0	0.0
244	6/27/2019 12:46:03	0.0	0.0
245	6/27/2019 12:47:03	0.0	0.0
246	6/27/2019 12:48:03	0.0	0.0
247	6/27/2019 12:49:03	0.0	0.0
248	6/27/2019 12:50:03	0.0	0.0
249	6/27/2019 12:51:03	0.0	0.0
250	6/27/2019 12:52:03	0.0	0.0
251	6/27/2019 12:53:03	0.0	0.0
252	6/27/2019 12:54:03	0.0	0.0
253	6/27/2019 12:55:03	0.0	0.0
254	6/27/2019 12:56:03	0.0	0.0
255	6/27/2019 12:57:03	0.0	0.0
256	6/27/2019 12:58:03	0.0	0.0
257	6/27/2019 12:59:03	0.0	0.0
258	6/27/2019 13:00:03	0.0	0.0
259	6/27/2019 13:01:03	0.0	0.0
260	6/27/2019 13:02:03	0.0	0.0
261	6/27/2019 13:03:03	0.0	0.0
262	6/27/2019 13:04:03	0.0	0.0
263	6/27/2019 13:05:03	0.0	0.0
264	6/27/2019 13:06:03	0.0	0.0
265	6/27/2019 13:07:03	0.0	0.0
266	6/27/2019 13:08:03	0.0	0.0
267	6/27/2019 13:09:03	0.0	0.0
268	6/27/2019 13:10:03	0.0	0.0
269	6/27/2019 13:11:03	0.0	0.0
270	6/27/2019 13:12:03	0.0	0.0
271	6/27/2019 13:13:03	0.0	0.0
272	6/27/2019 13:14:03	0.0	0.0
273	6/27/2019 13:15:03	0.0	0.0
274	6/27/2019 13:16:03	0.0	0.0
275	6/27/2019 13:17:03	0.0	0.0
276	6/27/2019 13:18:03	0.0	0.0
277	6/27/2019 13:19:03	0.0	0.0
278	6/27/2019 13:20:03	0.0	0.0
279	6/27/2019 13:21:03	0.0	0.0
280	6/27/2019 13:22:03	0.0	0.0
281	6/27/2019 13:23:03	0.0	0.0
282	6/27/2019 13:24:03	0.0	0.0
283	6/27/2019 13:25:03	0.0	0.0
284	6/27/2019 13:26:03	0.0	0.0
285	6/27/2019 13:27:03	0.0	0.0
286	6/27/2019 13:28:03	0.0	0.0
287	6/27/2019 13:29:03	0.0	0.0

Instrument Name	DustTrak II
Model Number	8532
Serial Number	8532143707
Firmware Version	3
Calibration Date	9/11/2014
Test Name	MANUAL_001
Test Start Time	9:56:19 AM
Test Start Date	6/19/2019
Test Length [D:H:M]	0:09:46
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.054
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	1.09
Mass TWA [mg/m3]	0.018
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	121

Elapsed Time [s]	Mass [mg/m3]
60	0.029
120	0.031
180	0.035
240	0.042
300	0.04
360	0.03
420	0.029
480	0.03
540	0.03
600	0.032
660	0.03
720	0.028
780	0.029
840	0.028
900	0.026
960	0.029
1020	0.025
1080	0.028
1140	0.025
1200	0.038
1260	0.216
1320	0.028
1380	0.023
1440	0.023
1500	0.031
1560	0.028
1620	0.05

1680	0.026
1740	0.02
1800	0.015
1860	0.013
1920	0.012
1980	0.026
2040	0.069
2100	0.076
2160	0.048
2220	0.026
2280	0.026
2340	0.023
2400	0.026
2460	0.024
2520	0.069
2580	0.122
2640	0.116
2700	0.026
2760	0.026
2820	0.022
2880	0.022
2940	0.023
3000	0.031
3060	0.027
3120	0.028
3180	0.027
3240	0.024
3300	0.025
3360	0.053
3420	0.034
3480	0.027
3540	0.045
3600	0.046
3660	0.046
3720	0.037
3780	0.032
3840	0.025
3900	0.039
3960	0.052
4020	0.438
4080	0.051
4140	0.031
4200	0.051
4260	0.052
4320	0.038
4380	0.03
4440	0.029

4500	0.028
4560	0.028
4620	0.028
4680	0.028
4740	0.031
4800	0.028
4860	0.031
4920	0.037
4980	0.033
5040	0.032
5100	0.028
5160	0.046
5220	0.217
5280	0.064
5340	0.038
5400	0.034
5460	0.032
5520	0.47
5580	0.055
5640	0.081
5700	1.09
5760	0.081
5820	0.045
5880	0.035
5940	0.049
6000	0.046
6060	0.054
6120	0.047
6180	0.046
6240	0.041
6300	0.017
6360	0.014
6420	0.017
6480	0.029
6540	0.032
6600	0.032
6660	0.025
9518	0
9540	0.023
9600	0.03
9660	0.023
9720	0.022
9780	0.024
9840	0.022
9900	0.03
35157	0
35160	0.075

Instrument Name	DustTrak II
Model Number	8532
Serial Number	8532143707
Firmware Version	3
Calibration Date	9/11/2014
Test Name	MANUAL_002
Test Start Time	8:24:39 AM
Test Start Date	6/20/2019
Test Length [D:H:M]	0:10:18
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.043
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.839
Mass TWA [mg/m3]	0.025
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	256

Elapsed Time [s]	Mass [mg/m3]
60	0.023
120	0.029
180	0.02
240	0.018
300	0.017
360	0.015
420	0.035
480	0.03
540	0.042
600	0.032
660	0.087
720	0.065
780	0.031
840	0.025
900	0.027
960	0.043
1020	0.026
1080	0.023
1140	0.035
1200	0.034
1260	0.036
1320	0.018
1380	0.022
1440	0.025
1500	0.036
1560	0.041

1620	0.034
1680	0.049
1740	0.038
1800	0.035
1860	0.033
1920	0.024
1980	0.032
2040	0.028
2100	0.028
2160	0.033
2220	0.03
2280	0.031
2340	0.033
2400	0.036
2460	0.034
2520	0.035
2580	0.034
2640	0.041
2700	0.032
2760	0.038
2820	0.037
2880	0.042
2940	0.039
3000	0.035
3060	0.034
3120	0.036
3180	0.025
3240	0.033
3300	0.032
3360	0.037
3420	0.028
3480	0.024
3540	0.026
3600	0.046
3660	0.034
3720	0.032
3780	0.04
3840	0.028
3900	0.034
3960	0.032
4020	0.039
4080	0.035
4140	0.036
4200	0.033
4260	0.031
4320	0.044
4380	0.037

4440	0.042
4500	0.043
4560	0.106
4620	0.144
4680	0.073
4740	0.047
4800	0.051
4860	0.059
4920	0.043
4980	0.066
5040	0.839
5100	0.034
5160	0.03
5220	0.025
5280	0.025
5340	0.027
5400	0.024
5460	0.018
5520	0.017
5580	0.015
5640	0.011
5700	0.01
5760	0.01
5820	0.01
5880	0.01
5940	0.013
6000	0.016
6060	0.018
6120	0.016
6180	0.014
6240	0.013
6300	0.013
6360	0.019
6420	0.04
6480	0.03
6540	0.032
6600	0.029
6660	0.083
6720	0.098
6780	0.355
6840	0.568
6900	0.045
6960	0.036
7020	0.027
7080	0.026
7140	0.051
7200	0.034

7260	0.034
7320	0.225
7380	0.036
7440	0.03
7500	0.033
7560	0.042
7620	0.042
7680	0.033
7740	0.035
7800	0.039
7860	0.035
7920	0.034
7980	0.037
8040	0.037
8100	0.043
8160	0.037
8220	0.039
8280	0.036
8340	0.041
8400	0.043
8460	0.033
8520	0.036
8580	0.034
8640	0.034
8700	0.033
8760	0.033
8820	0.053
8880	0.074
8940	0.198
9000	0.054
9060	0.033
9120	0.04
9180	0.035
9240	0.037
9300	0.035
9360	0.033
9420	0.032
9480	0.03
9540	0.036
9600	0.038
9660	0.032
9720	0.031
9780	0.031
9840	0.034
9900	0.034
9960	0.032
10020	0.032

10080	0.034
10140	0.061
10200	0.047
10260	0.034
10320	0.026
10380	0.028
10440	0.029
10500	0.038
10560	0.181
10620	0.407
10680	0.061
10740	0.026
10800	0.025
10860	0.027
10920	0.027
10980	0.026
11040	0.025
11100	0.061
11160	0.029
11220	0.028
11280	0.028
11340	0.029
11400	0.028
11460	0.032
11520	0.029
11580	0.06
11640	0.029
11700	0.033
11760	0.036
11820	0.039
11880	0.035
11940	0.031
12000	0.028
12060	0.023
12120	0.03
12180	0.034
12240	0.037
12300	0.024
12360	0.026
12420	0.024
12480	0.023
12540	0.023
12600	0.025
12660	0.026
12720	0.025
12780	0.024
12840	0.024

12900	0.022
12960	0.021
13020	0.02
13080	0.02
13140	0.018
13200	0.018
13260	0.017
13320	0.018
13380	0.026
13440	0.029
13500	0.03
13560	0.027
13620	0.025
13680	0.025
13740	0.024
13800	0.025
13860	0.026
13920	0.029
13980	0.029
14040	0.028
14100	0.027
14160	0.026
14220	0.026
14280	0.027
14340	0.028
14400	0.029
14460	0.03
14520	0.03
14580	0.032
14640	0.033
14700	0.033
14760	0.033
14820	0.035
16247	0
16260	0.036
16320	0.035
16380	0.036
16440	0.04
16500	0.041
16560	0.038
16620	0.036
37131	0

Instrument Name	DustTrak II
Model Number	8532
Serial Number	8532143707
Firmware Version	3

Calibration Date	9/11/2014
Test Name	MANUAL_003
Test Start Time	9:09:13 AM
Test Start Date	6/21/2019
Test Length [D:H:M]	0:04:34
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.017
Mass Minimum [mg/m3]	-0.003
Mass Maximum [mg/m3]	0.313
Mass TWA [mg/m3]	0.009
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	274

Elapsed Time [s]	Mass [mg/m3]
60	0.01
120	0.006
180	0.008
240	0.005
300	0.005
360	0.005
420	0.007
480	0.008
540	0.012
600	0.005
660	0.004
720	0.007
780	0.009
840	0.034
900	0.007
960	0.024
1020	0.027
1080	0.009
1140	0.005
1200	0.014
1260	0.01
1320	0.014
1380	0.023
1440	0.006
1500	0.01
1560	0.004
1620	0.003
1680	0.004
1740	0.005
1800	0.003
1860	0.003

1920	0.002
1980	0.002
2040	0.005
2100	0.005
2160	0.004
2220	0.009
2280	0.006
2340	0.002
2400	0.004
2460	0.023
2520	0.006
2580	0.003
2640	0.002
2700	0.003
2760	0.002
2820	0.006
2880	0.002
2940	0.002
3000	0
3060	0
3120	0.001
3180	0.001
3240	0
3300	0.008
3360	0.001
3420	0.001
3480	0.002
3540	0.002
3600	0.002
3660	0.005
3720	0.006
3780	0.004
3840	0.007
3900	0.003
3960	0.001
4020	0.009
4080	0.003
4140	0.002
4200	0.005
4260	0.001
4320	0.005
4380	0.003
4440	0.004
4500	0.002
4560	0.002
4620	0
4680	0

4740	0
4800	0.003
4860	0
4920	0.03
4980	0.001
5040	0
5100	0.001
5160	0
5220	0.001
5280	0
5340	0
5400	0.001
5460	0.011
5520	0.001
5580	0
5640	0
5700	0.005
5760	0.002
5820	0
5880	0.003
5940	0.002
6000	0.004
6060	0.009
6120	0.01
6180	0.009
6240	0.009
6300	0.01
6360	0.004
6420	0.006
6480	0.005
6540	0.002
6600	0.001
6660	0.002
6720	0.005
6780	0.006
6840	0.004
6900	0.007
6960	0.004
7020	0.003
7080	0.006
7140	0.006
7200	0.008
7260	0.006
7320	0.006
7380	0.005
7440	0.004
7500	0.004

7560	0.004
7620	0.003
7680	0.002
7740	0.001
7800	0.001
7860	0.001
7920	0.005
7980	0.005
8040	0.003
8100	0.003
8160	0.002
8220	0
8280	0
8340	0
8400	0
8460	0
8520	0.001
8580	0
8640	0
8700	0.001
8760	0
8820	0.027
8880	0.003
8940	0.004
9000	0.005
9060	0.008
9120	0.008
9180	0.006
9240	0.004
9300	0.006
9360	0.004
9420	0.004
9480	0.006
9540	0.003
9600	0.004
9660	0.004
9720	0.002
9780	0.004
9840	0.004
9900	0.004
9960	0.009
10020	0.002
10080	0.006
10140	0.006
10200	0.009
10260	0.006
10320	0.002

10380	0.003
10440	0.002
10500	0.005
10560	0.011
10620	0.005
10680	0.179
10740	0.021
10800	0.01
10860	0.008
10920	0.004
10980	0.002
11040	0.003
11100	0.003
11160	0.001
11220	0.001
11280	0.002
11340	0
11400	0
11460	0
11520	0.003
11580	0.001
11640	0.003
11700	0.006
11760	0.002
11820	0.003
11880	0.018
11940	0.159
12000	0.008
12060	0.003
12120	0.019
12180	0.212
12240	0.065
12300	0.025
12360	0.066
12420	0.069
12480	0.042
12540	0.018
12600	0.011
12660	0.019
12720	0.017
12780	0.035
12840	0.006
12900	0.017
12960	0.114
13020	0.188
13080	0.04
13140	0.072

13200	0.233
13260	0.094
13320	0.313
13380	0.092
13440	0.07
13500	0.111
13560	0.022
13620	0.055
13680	0.122
13740	0.105
13800	0.101
13860	0.016
13920	0.032
13980	0.206
14040	0.018
14100	0.076
14160	0.027
14220	0.004
14280	0.057
14340	0.042
14400	0.03
14460	0.009
14520	0.069
14580	0.071
14640	0.022
14700	0.014
14760	0.023
14820	0.013
14880	0.003
14940	0.027
15000	0.112
15060	0.01
15120	0.007
15180	0.014
15240	0.004
15300	0.001
15360	0
15420	-0.001
15480	-0.001
15540	0
15600	-0.001
15660	-0.002
15720	-0.002
15780	-0.002
15840	-0.002
15900	-0.001
15960	-0.002

16020	-0.002
16080	-0.001
16140	-0.002
16200	-0.001
16260	-0.002
16320	-0.002
16380	-0.002
16440	-0.003

Instrument Name	DustTrak II
Model Number	8532
Serial Number	8532143707
Firmware Version	3
Calibration Date	9/11/2014
Test Name	MANUAL_004
Test Start Time	7:57:27 AM
Test Start Date	6/24/2019
Test Length [D:H:M]	0:09:57
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.028
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.513
Mass TWA [mg/m3]	0.017
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	289

Elapsed Time [s]	Mass [mg/m3]
60	0.052
120	0.028
180	0.022
240	0.053
300	0.125
360	0.05
420	0.038
480	0.017
540	0.019
600	0.019
660	0.029
720	0.018
780	0.021
840	0.018
900	0.017
960	0.017
1020	0.014
1080	0.241

1140	0.031
1200	0.013
1260	0.018
1320	0.018
1380	0.021
1440	0.02
1500	0.085
1560	0.048
1620	0.027
1680	0.021
1740	0.021
1800	0.024
1860	0.019
1920	0.03
1980	0.036
2040	0.031
2100	0.024
2160	0.039
2220	0.028
2280	0.025
2340	0.031
2400	0.033
2460	0.04
2520	0.053
2580	0.03
2640	0.031
2700	0.042
2760	0.036
2820	0.044
2880	0.043
2940	0.04
3000	0.039
3060	0.031
3120	0.031
3180	0.024
3240	0.032
3300	0.023
3360	0.021
3420	0.023
3480	0.032
3540	0.042
3600	0.043
3660	0.037
3720	0.02
3780	0.017
3840	0.018
3900	0.016

3960	0.02
4020	0.021
4080	0.035
4140	0.025
4200	0.025
4260	0.017
4320	0.017
4380	0.023
4440	0.018
4500	0.024
4560	0.039
4620	0.014
4680	0.021
4740	0.024
4800	0.021
4860	0.025
4920	0.02
4980	0.015
5040	0.045
5100	0.023
5160	0.018
5220	0.022
5280	0.017
5340	0.04
5400	0.038
5460	0.025
5520	0.011
5580	0.011
5640	0.013
5700	0.022
5760	0.037
5820	0.023
5880	0.009
5940	0.012
6000	0.009
6060	0.059
6120	0.015
6180	0.01
6240	0.017
6300	0.016
6360	0.013
6420	0.016
6480	0.021
6540	0.025
6600	0.017
6660	0.022
6720	0.028

6780	0.054
6840	0.012
6900	0.017
6960	0.096
7020	0.513
7080	0.04
7140	0.011
7200	0.027
7260	0.029
7320	0.025
7380	0.018
7440	0.009
7500	0.019
7560	0.016
7620	0.019
7680	0.019
7740	0.051
7800	0.018
7860	0.006
7920	0.007
7980	0.007
8040	0.018
8100	0.026
8160	0.025
8220	0.012
8280	0.01
8340	0.009
8400	0.005
8460	0.015
8520	0.037
8580	0.096
8640	0.019
8700	0.029
8760	0.03
8820	0.027
8880	0.028
8940	0.023
9000	0.015
9060	0.011
9120	0.016
9180	0.041
9240	0.017
9300	0.022
9360	0.027
9420	0.016
9480	0.03
9540	0.03

9600	0.045
9660	0.059
9720	0.007
9780	0.009
9840	0.025
9900	0.015
9960	0.184
10020	0.02
10080	0.019
10140	0.023
10200	0.03
10260	0.013
10320	0.01
10380	0.009
10440	0.013
10500	0.027
10560	0.017
10620	0.016
10680	0.015
10740	0.018
10800	0.047
10860	0.022
10920	0.05
10980	0.02
11040	0.034
11100	0.035
11160	0.044
11220	0.032
11280	0.024
11340	0.014
11400	0.009
11460	0.01
11520	0.017
11580	0.03
11640	0.031
11700	0.013
11760	0.018
11820	0.049
11880	0.066
11940	0.01
12000	0.006
12060	0.008
12120	0.008
12180	0.01
12240	0.025
12300	0.02
12360	0.019

12420	0.016
12480	0.012
12540	0.008
12600	0.008
12660	0.013
12720	0.012
12780	0.013
12840	0.007
12900	0.01
12960	0.018
13020	0.016
13080	0.013
13140	0.019
13200	0.015
13260	0.02
13320	0.013
13380	0.012
13440	0.015
13500	0.006
13560	0.012
13620	0.008
13680	0.008
13740	0.019
13800	0.022
13860	0.011
13920	0.006
13980	0.006
14040	0.005
14100	0.014
14160	0.022
14220	0.011
14280	0.005
14340	0.007
14400	0.005
14460	0.008
14520	0.012
14580	0.007
14640	0.005
14700	0.005
14760	0.005
14820	0.007
14880	0.007
14940	0.007
15000	0.01
15060	0.01
15120	0.009
15180	0.008

15240	0.009
15300	0.008
15360	0.006
15420	0.006
15480	0.007
15540	0.006
15600	0.006
15660	0.007
15720	0.006
15780	0.006
15840	0.005
15900	0.013
15960	0.034
16020	0.02
16080	0.024
16140	0.027
16200	0.015
16260	0.015
16320	0.012
16380	0.013
16440	0.038
16500	0.011
16560	0.012
16620	0.011
16680	0.015
16740	0.063
16800	0.269
16860	0.056
16920	0.022
16980	0.01
17040	0.011
17100	0.009
17160	0.049
17220	0.381
17280	0.078
35857	0

Instrument Name	DustTrak II
Model Number	8532
Serial Number	8532143707
Firmware Version	3
Calibration Date	9/11/2014
Test Name	MANUAL_005
Test Start Time	8:29:42 AM
Test Start Date	6/25/2019
Test Length [D:H:M]	0:13:11
Test Interval [M:S]	1:00

Mass Average [mg/m3]	0.083
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	3.05
Mass TWA [mg/m3]	0.05
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	291

Elapsed Time [s]	Mass [mg/m3]
60	0.03
120	0.031
180	0.083
240	0.034
300	0.044
360	0.031
420	0.054
480	0.077
540	0.034
600	0.045
660	0.154
720	0.042
780	0.035
840	0.026
900	0.033
960	0.035
1020	0.034
1080	0.032
1140	0.034
1200	0.041
1260	0.031
1320	0.035
1380	0.033
1440	0.032
1500	0.035
1560	0.035
1620	0.032
1680	0.032
1740	0.031
1800	0.031
1860	0.031
1920	0.03
1980	0.035
2040	0.039
2100	0.037
2160	0.044
2220	0.039

2280	0.042
2340	0.044
2400	0.037
2460	0.04
2520	0.041
2580	0.039
2640	0.038
2700	0.032
2760	0.035
2820	0.04
2880	0.039
2940	0.044
3000	0.046
3060	0.041
3120	0.039
3180	0.038
3240	0.039
3300	0.037
3360	0.043
3420	0.04
3480	0.044
3540	0.04
3600	0.038
3660	0.039
3720	0.041
3780	0.048
3840	0.046
3900	0.048
3960	0.055
4020	0.048
4080	0.051
4140	0.044
4200	0.046
4260	0.043
4320	0.045
4380	0.044
4440	0.048
4500	0.05
4560	0.052
4620	0.048
4680	0.044
4740	0.044
4800	0.045
4860	0.045
4920	0.053
4980	0.05
5040	0.048

5100	0.049
5160	0.05
5220	0.05
5280	0.05
5340	0.049
5400	0.05
5460	0.059
5520	0.054
5580	0.053
5640	0.055
5700	0.055
5760	0.059
5820	0.051
5880	0.058
5940	0.056
6000	0.055
6060	0.053
6120	0.056
6180	0.057
6240	0.06
6300	0.061
6360	0.064
6420	0.06
6480	0.065
6540	0.059
6600	0.059
6660	0.061
6720	0.058
6780	0.066
6840	0.066
6900	0.072
6960	0.069
7020	0.072
7080	0.071
7140	0.064
7200	0.065
7260	0.094
7320	0.08
7380	0.067
7440	0.072
7500	0.073
7560	0.068
7620	0.07
7680	0.073
7740	0.069
7800	0.069
7860	0.072

7920	0.084
7980	0.074
8040	0.11
8100	3.05
8160	0.617
8220	0.545
8280	0.331
8340	0.11
8400	0.123
8460	0.094
8520	0.097
8580	0.093
8640	0.089
8700	0.088
8760	0.091
8820	0.098
8880	0.118
8940	0.139
9000	0.085
9060	0.087
9120	0.091
9180	0.084
9240	0.084
9300	0.089
9360	0.09
9420	0.099
9480	0.125
9540	0.088
9600	0.096
9660	0.087
9720	0.089
9780	0.09
9840	0.093
9900	0.091
9960	0.088
10020	0.093
10080	0.088
10140	0.097
10200	0.107
10260	0.094
10320	0.089
10380	0.08
10440	0.074
10500	0.072
10560	0.071
10620	0.073
10680	0.072

10740	0.07
10800	0.065
10860	0.059
10920	0.053
10980	0.063
11040	0.093
11100	0.093
11160	0.094
11220	0.102
11280	0.104
11340	0.095
11400	0.09
11460	0.093
11520	0.094
11580	0.093
11640	0.096
11700	0.098
11760	0.093
11820	0.096
11880	0.089
11940	0.084
12000	0.073
12060	0.068
12120	0.06
12180	0.057
12240	0.056
12300	0.056
12360	0.054
12420	0.049
12480	0.05
12540	0.05
12600	0.05
12660	0.05
12720	0.048
12780	0.049
12840	0.046
12900	0.044
12960	0.043
13020	0.041
13080	0.042
13140	0.042
13200	0.041
13260	0.044
13320	0.044
13380	0.045
13440	0.044
13500	0.046

13560	0.054
13620	0.103
13680	0.106
13740	0.106
13800	0.109
13860	0.111
13920	0.109
13980	0.109
14040	0.111
14100	0.107
14160	0.112
14220	0.116
14280	0.137
14340	0.114
14400	0.104
14460	0.105
14520	0.096
14580	0.09
14640	0.076
14700	0.076
14760	0.073
14820	0.071
14880	0.069
14940	0.071
15000	0.073
15060	0.07
15120	0.069
15180	0.065
15240	0.058
15300	0.057
15360	0.081
15420	0.079
15480	0.086
15540	0.102
15600	0.107
15660	0.1
15720	0.099
15780	0.1
15840	0.11
15900	0.11
15960	0.137
16020	0.098
16080	0.091
16140	0.109
16200	0.102
16260	0.099
16320	0.094

16380	0.093
16440	0.095
16500	0.101
16560	0.117
16620	0.102
16680	0.104
16740	0.085
16800	0.08
16860	0.089
16920	0.103
16980	0.095
17040	0.092
17100	0.09
17160	0.086
17220	0.089
17280	0.093
17340	0.097
17400	0.103
47473	0

Instrument Name	DustTrak II
Model Number	8532
Serial Number	8532143707
Firmware Version	3
Calibration Date	9/11/2014
Test Name	MANUAL_006
Test Start Time	8:10:30 AM
Test Start Date	6/26/2019
Test Length [D:H:M]	0:04:47
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.12
Mass Minimum [mg/m3]	0.023
Mass Maximum [mg/m3]	1.57
Mass TWA [mg/m3]	0.072
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	287

Elapsed Time [s]	Mass [mg/m3]
60	0.037
120	0.059
180	0.074
240	0.028
300	0.081
360	0.03
420	0.029

480	0.099
540	0.278
600	0.282
660	0.104
720	0.076
780	0.075
840	0.057
900	0.053
960	0.056
1020	0.045
1080	0.166
1140	0.312
1200	0.073
1260	0.107
1320	0.134
1380	0.172
1440	0.096
1500	0.131
1560	0.068
1620	0.084
1680	0.094
1740	0.052
1800	0.033
1860	0.035
1920	0.08
1980	0.06
2040	0.04
2100	0.041
2160	0.203
2220	0.04
2280	0.042
2340	0.046
2400	0.051
2460	0.046
2520	0.068
2580	0.059
2640	0.059
2700	0.047
2760	0.137
2820	0.11
2880	0.085
2940	0.052
3000	0.055
3060	0.058
3120	0.047
3180	0.038
3240	0.033

3300	0.064
3360	0.078
3420	0.048
3480	0.036
3540	0.024
3600	0.144
3660	0.237
3720	0.077
3780	0.058
3840	0.152
3900	0.088
3960	0.055
4020	0.553
4080	0.105
4140	0.032
4200	0.04
4260	0.038
4320	0.075
4380	0.052
4440	0.046
4500	0.077
4560	0.114
4620	0.107
4680	0.351
4740	0.143
4800	0.034
4860	0.076
4920	0.063
4980	0.261
5040	0.049
5100	0.028
5160	0.248
5220	0.14
5280	0.04
5340	0.3
5400	0.051
5460	0.029
5520	0.158
5580	0.066
5640	0.089
5700	0.119
5760	0.077
5820	0.048
5880	0.068
5940	0.212
6000	0.036
6060	0.074

6120	0.19
6180	0.37
6240	0.15
6300	0.06
6360	0.039
6420	0.024
6480	0.192
6540	0.121
6600	0.162
6660	0.07
6720	0.038
6780	0.062
6840	0.033
6900	0.041
6960	0.037
7020	0.032
7080	0.077
7140	0.064
7200	0.035
7260	0.091
7320	0.062
7380	0.221
7440	0.16
7500	0.115
7560	0.075
7620	0.041
7680	0.05
7740	0.045
7800	0.046
7860	0.18
7920	0.456
7980	0.093
8040	0.053
8100	0.184
8160	0.195
8220	0.072
8280	0.055
8340	0.153
8400	0.217
8460	0.049
8520	0.024
8580	0.024
8640	0.038
8700	0.058
8760	0.159
8820	0.03
8880	0.247

8940	0.221
9000	0.235
9060	0.236
9120	0.128
9180	0.115
9240	0.384
9300	0.075
9360	0.197
9420	0.216
9480	0.133
9540	0.085
9600	0.049
9660	0.058
9720	0.061
9780	0.044
9840	0.088
9900	0.055
9960	0.059
10020	0.048
10080	0.163
10140	0.185
10200	0.105
10260	0.06
10320	0.094
10380	0.079
10440	0.066
10500	0.219
10560	0.084
10620	0.115
10680	0.086
10740	0.997
10800	0.073
10860	0.169
10920	0.108
10980	0.082
11040	0.385
11100	0.163
11160	0.032
11220	0.134
11280	0.093
11340	0.042
11400	0.043
11460	0.07
11520	0.134
11580	0.17
11640	0.142
11700	0.045

11760	0.046
11820	0.141
11880	0.084
11940	0.184
12000	0.09
12060	0.82
12120	0.334
12180	0.142
12240	0.275
12300	0.062
12360	0.112
12420	0.06
12480	0.35
12540	0.616
12600	0.181
12660	0.367
12720	0.127
12780	0.074
12840	0.044
12900	0.038
12960	0.037
13020	0.059
13080	0.304
13140	0.053
13200	0.05
13260	0.052
13320	0.043
13380	0.115
13440	0.094
13500	0.034
13560	0.03
13620	0.031
13680	0.026
13740	0.043
13800	0.029
13860	0.036
13920	0.089
13980	0.239
14040	0.105
14100	0.104
14160	0.081
14220	0.046
14280	0.116
14340	0.464
14400	0.057
14460	0.067
14520	0.425

14580	0.04
14640	0.073
14700	0.08
14760	0.322
14820	0.17
14880	0.046
14940	0.255
15000	0.027
15060	0.035
15120	0.098
15180	0.079
15240	0.034
15300	0.026
15360	0.093
15420	0.096
15480	0.038
15540	0.04
15600	0.042
15660	0.053
15720	0.078
15780	0.271
15840	0.044
15900	0.095
15960	0.266
16020	0.033
16080	0.091
16140	0.092
16200	0.056
16260	0.098
16320	0.029
16380	1.03
16440	1.57
16500	0.052
16560	0.06
16620	0.127
16680	0.167
16740	0.035
16800	0.036
16860	0.046
16920	0.13
16980	0.044
17040	0.064
17100	0.151
17160	0.033
17220	0.023